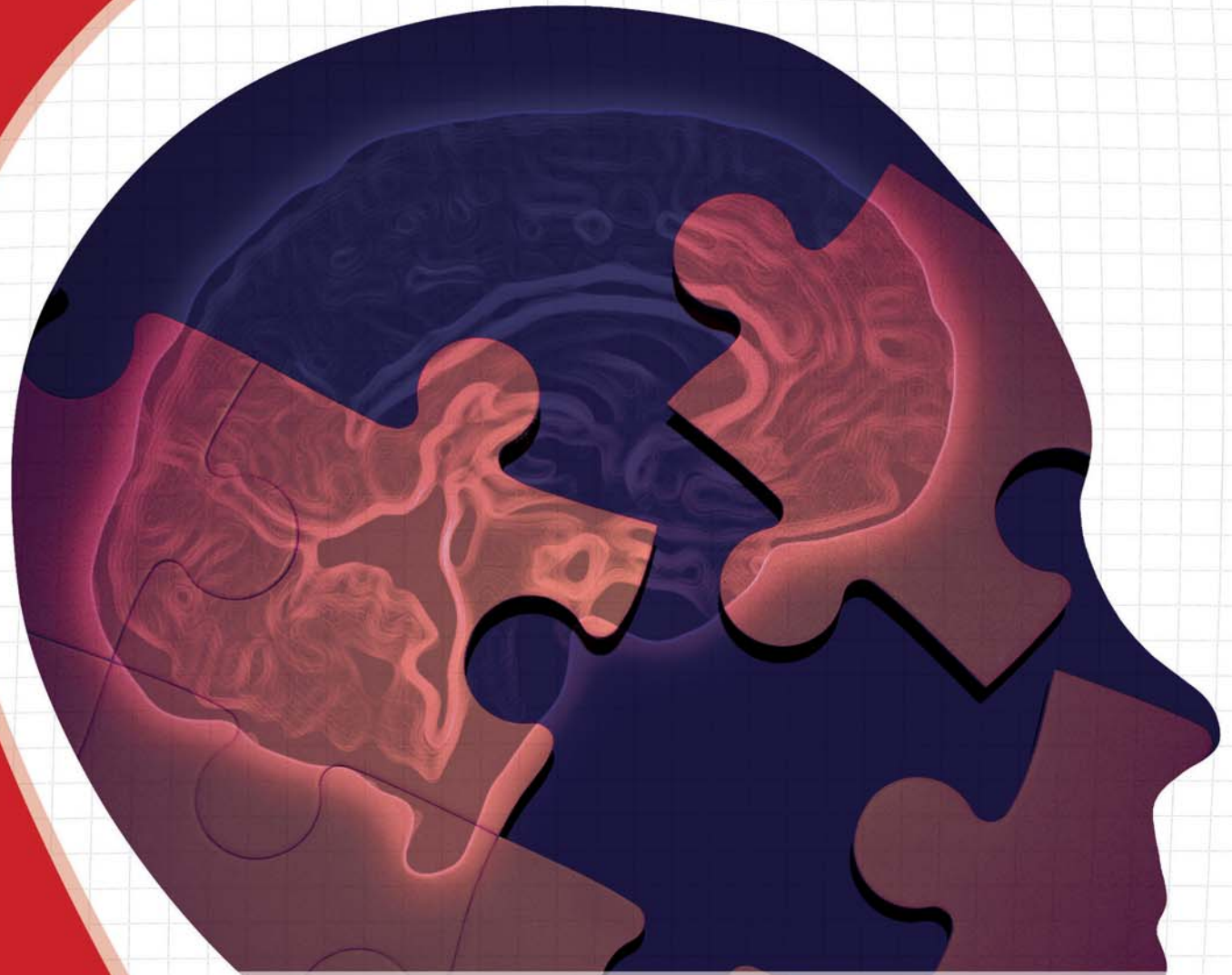


# International Meeting for Autism Research

**May 12 - 14, 2011**

*Manchester Grand Hyatt ■ San Diego, California*



[www.autism-insar.org](http://www.autism-insar.org)

PROGRAM BOOK

# IMFAR WELCOME

IMFAR is celebrating its 10th anniversary and returning to the site of the first conference, San Diego! We are delighted to welcome everyone to what we feel is our best meeting yet. We believe we have planned a very exciting and informative three days covering the very latest in research focusing on autism.

This year the Scientific Program Committee reviewed over 1,000 abstracts from around the world and has put together a solid meeting. As Scientific Program Chair, Dan Geschwind, notes in his remarks, there are a few new events planned in addition to several of IMFAR's popular features including the Invited Educational Symposia, exceptional keynote speakers, oral sessions, poster presentations, Lifetime Achievement Award and Special Interest Group meetings. We also have a few special surprises planned for the main reception following the presentation of the Lifetime Achievement Award so do not miss it.

Planning a meeting like this requires the efforts of some very special people and I would like to acknowledge those who contributed so much of their time and effort to INSAR and the IMFAR event. Along these lines I would like to thank the INSAR Board, the Scientific Program Committee, and the many abstract reviewers who helped ensure the inclusion of the best in autism research. A special thank you goes to Joe Dymek of ConferenceDirect whose invaluable assistance made the job of planning the meeting a pleasure.

I would like also to personally acknowledge the members of the Meeting Planning Committee who have worked very hard to make the 2011 IMFAR experience special.

Aubyn Stahmer – Meeting Co-Chair

Natacha Akshoomoff	Laura Hall
Stephan Anagnostaras	Eric Courchesne
Mary Baker-Ericzen	Karen Dobkins
Lauren Brookman-Frazee	Ann Mound
Leslie Carver	Karen Pierce
Christina Corsello	Jessica Suhrheinrich

Rebecca Gutierrez – Administrative Coordinator  
Sarah Reed – Staff Volunteer Coordinator

Again, welcome to IMFAR 2011 and beautiful San Diego! We hope you enjoy the meeting.



Laura Schreibman  
Meeting Chair

# TABLE OF CONTENTS

## Meeting Information

Hotel Floor Maps .....	4
Schedule-At-A-Glance.....	6
Speaker Ready Room.....	6
In-Conjunction Events.....	9
Keynote Speakers .....	10
Awardees .....	11
Acknowledgments .....	13
Abstract Author Index.....	96
General Information.....	144
Exhibitors Listing.....	146
Sponsorship.....	Inside Back Cover

<b>THURSDAY MAY 12</b>	Keynote Address.....	15
	Invited Educational Symposium.....	15
	Oral Sessions .....	16
	Poster Sessions .....	18
	Invited Educational Symposium.....	29
	Oral Sessions .....	29
	Poster Sessions .....	32
<b>FRIDAY MAY 13</b>	Keynote Address.....	45
	Invited Educational Symposium.....	45
	Oral Sessions .....	45
	Poster Sessions .....	48
	Invited Educational Symposium.....	60
	Oral Sessions .....	60
	Scientific Panels.....	64
	Poster Sessions .....	67
Special Interest Groups.....	80	
<b>SATURDAY MAY 14</b>	Keynote Address.....	82
	Invited Educational Symposium.....	82
	Oral Sessions .....	83
	Poster Sessions .....	85
	Invited Educational Symposium.....	93
	Oral Sessions .....	93

Save the Date  
2012 IMFAR  
Annual Meeting!

IMFAR 11th  
Annual Meeting  
May 17 – 19, 2012  
Sheraton Centre Hotel  
Toronto, Canada

Data presented at the Annual International Meeting for Autism Research (IMFAR) is the sole responsibility of the authors. The sponsor of the Annual Meeting, the International Society for Autism Research (INSAR), takes no responsibility for its accuracy. Submitted IMFAR abstracts are reviewed only to ensure that the authors will be presenting empirical data and that aims and conduct of the study, as far as can be ascertained, are consistent with international ethical guidelines for scientific research (Declaration of Helsinki). Acceptance of an abstract for presentation at the Meeting does not represent an endorsement by the Society of the quality or accuracy of the data and their interpretation, which judgment must await publication in a peer review journal. Consumers should recognize that study data presented at meetings is often preliminary and in some cases speculative, and that findings and conclusions have not undergone the rigors of a true peer review process.



# SCIENTIFIC PROGRAM

Welcome to IMFAR, 2011. This year marks a true milestone: the 10th anniversary of IMFAR! It seems like only a few years ago that I remember Portia Iversen of Cure Autism Now Foundation proposing that it would be useful to have an international scientific meeting for autism researchers. Given how small the field was, we wondered if there would be sufficient interest and scientific advancement to warrant a meeting, even every other year. This was an unnecessary worry — the field continues to grow rapidly and this year we have broken the 1,000 abstract threshold for the first time.

This year the Program Committee has played a large role in designing the program, ranging from choosing the Scientific Panels and Invited Educational Sessions, to organizing the Oral and Poster Sessions. A big thanks to all of those who served on the Scientific Program Committee, especially those who chaired the various sections of the program, each of whom had a major hand in creating this year's meeting schedule (please see listing of the Program Committee on page 12).

The program is continually evolving, but we have essentially kept the successful format developed last year. There are three major types of oral presentations: Invited Educational Sessions (IES), Scientific Panels, and Oral Sessions. The Invited Educational Symposia (IES) were all chosen from a large number of member submissions and represent timely overviews of important advances in the major domains of autism research, ranging from basic science to treatment research. Scientific Panels also represent member submissions, consisting of four closely-linked 15-minute presentations on the same topic or study, chosen by the Program Committee. Similarly, the 2-hour Oral Sessions are comprised of eight abstracts that were organized by the Program Committee to present a series of separate short scientific talks, linked by methods or theme.

There are essentially five half-day sessions. To provide an overview of each half-day's schedule, the entire program is briefly described over the first few pages. Each morning starts with a Keynote Speaker, followed by a Coffee Break. During the next two hours, we have the Invited Educational Symposium (IES), which occurs in parallel with three Oral Sessions. The same format of Oral Sessions and concurrent IES occurs in the afternoons. The only exception is Friday afternoon, when we will have an additional session with the six Scientific Panels and a concurrent Oral Session. Poster Sessions, which comprise the majority of the abstracts, run concurrently each half-day (8:00 a.m.-1:00 p.m. and 1:00 p.m. to 5:30 p.m.) with about 200 posters per session. Presenters will be present for at least the hour indicated by the time stated in the program. The Author Name Index at the back links abstracts to their authors alphabetically by author. Abstract numbers in bold indicate the presenting author.

We have also continued the same six Special Interest Groups (SIG) organized last year, but rather than holding them at lunchtime, we are holding them all in the evening on Friday, so as to provide a more casual opportunity to network with those who share similar research interests. Also, we have continued the expanded Technology Demonstration Session that will take place on Friday morning, where innovative developments in technology related to autism research and practice are presented in poster format.

New this year is a special luncheon "Meet the Experts" to provide students and fellows the opportunity to network with professors. The idea is to provide an informal venue for students to meet professors whose work, career path, or techniques they would like to discuss in more depth. We are starting this as an experiment this year, so spaces are limited. Since we are talking about lunch, each registrant will receive a \$50 gift card good at the hotel and local restaurants, including Seaport Village nearby for daily lunch breaks.

Several special presentations are worth mentioning. On Thursday morning after the meeting introductions and opening remarks, Dr. Tom Insel, Director of the National Institute of Mental Health, will provide a brief update on the IACC and NIH autism-related activities. Similarly, Friday and Saturday morning at 8:00 a.m. Autism Speaks and Simons Foundation will also give brief presentations. Thursday afternoon will be an awards ceremony including the Lifetime Achievement Award presentation and the INSAR Advocates Awards followed by a welcome reception for all attendees.

I would like to thank David Mandell, and Manny DiCicco-Bloom, last year's Scientific Program Committee Co-Chairs, who generously guided me through the programming process, as well as Jennifer Gentry at INSAR for administrative support. A big thanks also to the local organizing committee and Chair, Laura Schreibman. Special thanks goes out to acknowledge the exceptional contributions of Joe Dymek of Conference Direct for meeting planning, organization and implementation and Richelle Topping of Confex for her dedication to the processes of abstract submission and review and Program and Abstract Book preparation.

Hope that you have a great Meeting!



Dan Geschwind, Scientific Program Committee Chair

# PRESIDENT'S WELCOME

Dear Friends:

On behalf of the INSAR Board of Directors, I'd like to welcome you to IMFAR 2011, our 10th anniversary meeting. We return to San Diego, the site of our first IMFAR meeting in 2001. While that meeting was considered a huge success with about 250 attendees, we are expecting approximately 2,000 participants at IMFAR 2011.

INSAR continues to grow and evolve and presents a meeting that is a little better each year at reflecting the interdisciplinary approaches at work for understanding autism spectrum disorders. While IMFAR is first and foremost a scientific meeting, the Board of Directors feels strongly that every effort must be made to also convey the latest scientific findings to the greater autism community that has advocated for increased support of our research efforts. Continuing a tradition started last year in Philadelphia, Meeting Chair Laura Schreibman has organized a one day pre-meeting to bring the "best of IMFAR" to the San Diego autism community. We start a new tradition this year by presenting the INSAR Advocates Award to individuals who have changed the course of autism research through their advocacy. The Public Relations Committee, chaired by Alison Singer and Dana Marnane, has made every effort to insure that the most exciting findings from IMFAR are presented to the press for dissemination to the world autism community. INSAR has endeavored through its Cultural Diversity Committee chaired by Marshalyne Yeargin-Alsop and Community Advisory Committee, chaired by Peter Bell, to insure that the meeting is attended by scientists and students of the world autism research community — particularly those from underdeveloped countries. We have also made greater efforts to involve individuals who are on the autism spectrum. Their unique insights and interactions with scientists who investigate autism can only speed the pace of discovery.

The success of the IMFAR meeting is due to the concerted efforts of many individuals. Dan Geschwind, chair of the Program Committee and a dedicated group of committee members worked diligently to develop a well-organized and highly rigorous scientific meeting. Laura Schreibman, meeting chair, brought special touches to the organization of the meeting including a surprise performance at the INSAR reception. I'd also like to express appreciation to the individuals who provide administrative and technical expertise to INSAR. These include Jennifer Gentry, Suzanne Berry, Joe Dymek, Jennifer Marshall and Richelle Topping.

The IMFAR Meeting is a work in progress and we expect to continue making changes to improve future meetings. Your feedback is important to us so I welcome your comments on what went right at IMFAR 2011 and what areas you think can be improved. One example is there were several complaints last year about the lack of Internet access in the convention areas. We heard you and insured that wireless Internet is available this year! Please watch for an online survey link that will be sent out following the Meeting.

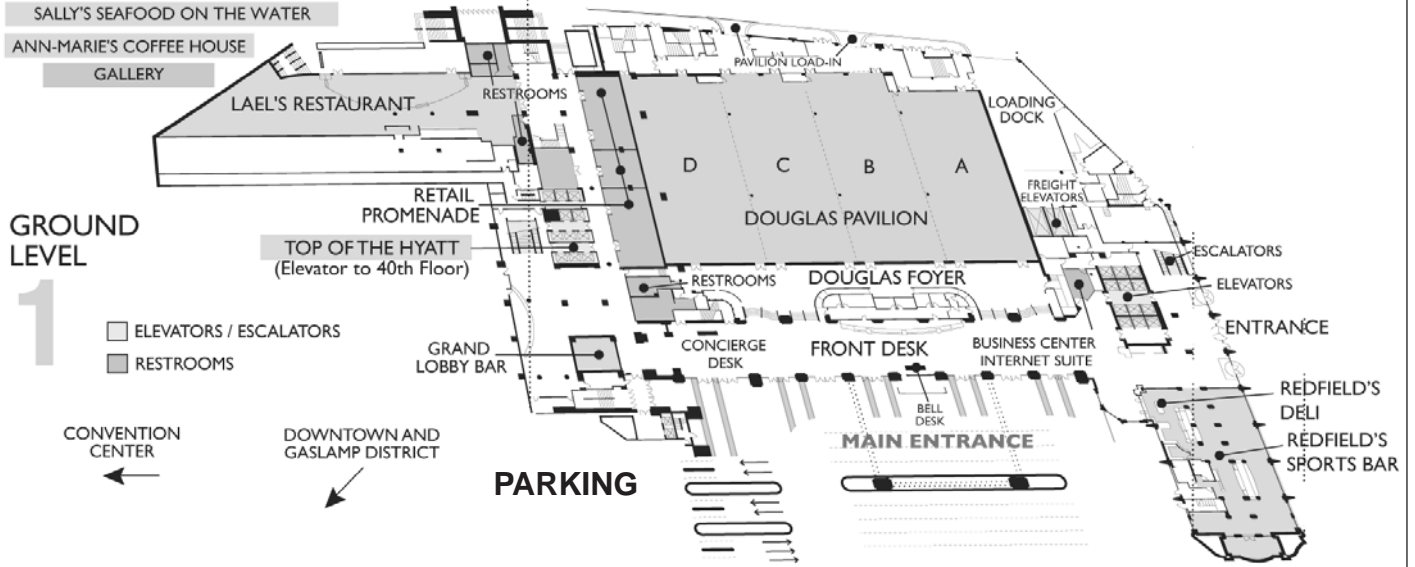
Finally, at this Meeting I turn over the gavel to a newly-elected president. I want to thank the members of the current Board of Directors, Simon Baron-Cohen, Deb Fein, Laura Klinger and Bob Schultz for their enormous help, guidance and support over the past two years. One could not hope for a better team. It has been a privilege serving as president for the last two years and helping, in some small way, the development of an organization that is becoming increasingly effective in fostering international research on autism spectrum disorders. I will be a keen observer and supporter of the future efforts and progress of INSAR.

I wish you a very productive and enjoyable Meeting.



David G. Amaral, Ph.D.  
INSAR President

# Manchester Grand Hyatt, San Diego, CA Hotel Floor Plan



**Meeting Rooms:**

Douglas Pavilion  
Douglas Foyer  
Gallery

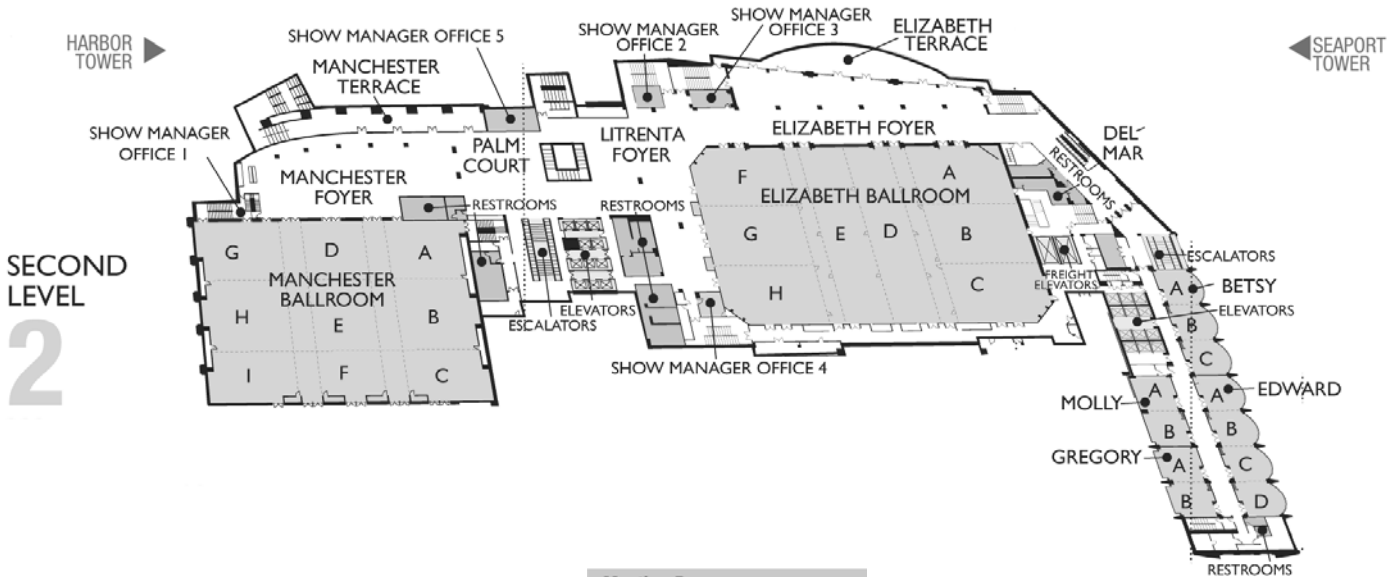
**Restaurants:**

Sally's Seafood On The Water  
Lael's Restaurant  
Redfield's Sports Bar  
Redfield's Deli  
Grand Lobby Bar  
Ann-Marie's Coffee House

**Retail Promenade:**

Grand Floral  
HarborLinks  
Regency Gifts  
Madison Fine Arts

Business Center

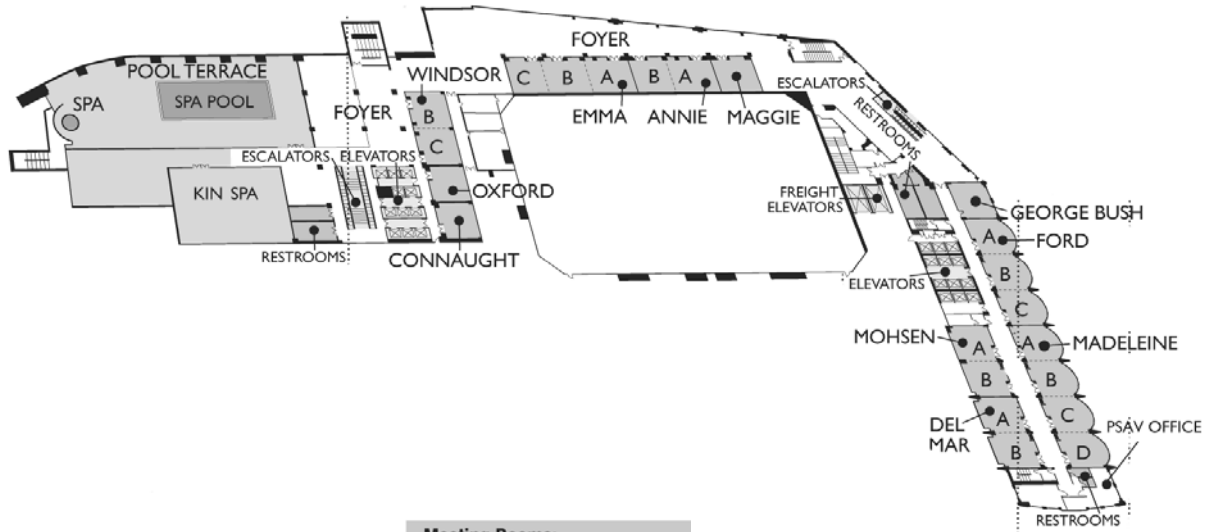


**Meeting Rooms:**

Manchester Ballroom  
Manchester Foyer  
Manchester Terrace  
Litrenta Foyer  
Elizabeth Ballroom  
Elizabeth Foyer  
Elizabeth Terrace  
Betsy  
Edward  
Gregory  
Molly

# Manchester Grand Hyatt, San Diego, CA Hotel Floor Plan

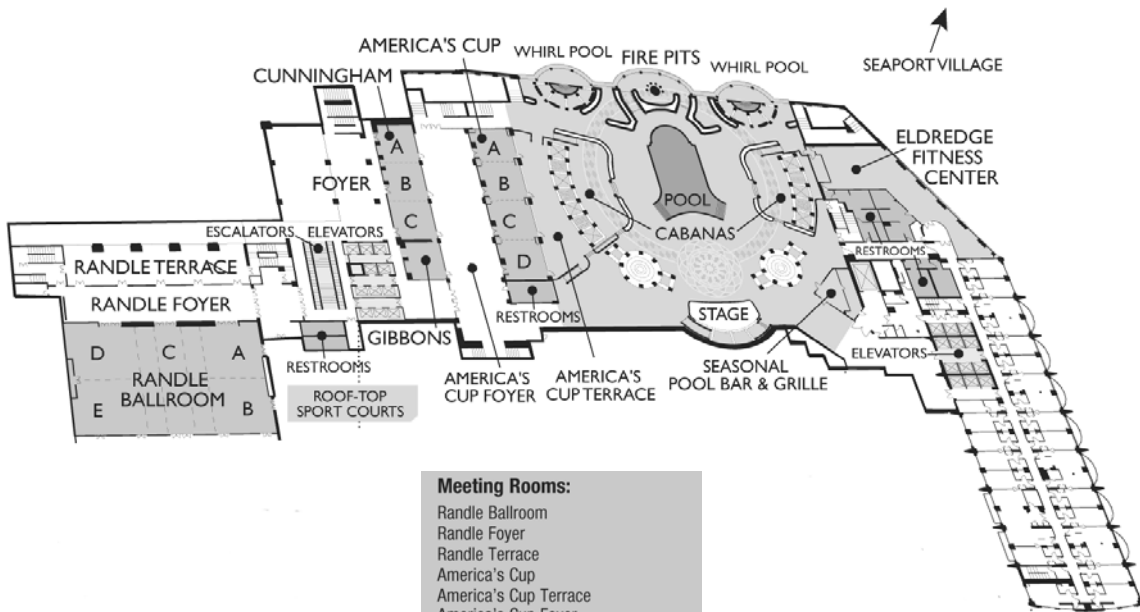
THIRD LEVEL  
**3**



- Meeting Rooms:**
- Annie
  - Connaught
  - Del Mar
  - Emma
  - Ford
  - George Bush
  - Madeleine
  - Maggie
  - Oxford
  - Mohsen
  - Windsor

- Recreation:**
- Kin Spa & Pool

FOURTH LEVEL  
**4**



- Meeting Rooms:**
- Randle Ballroom
  - Randle Foyer
  - Randle Terrace
  - America's Cup
  - America's Cup Terrace
  - America's Cup Foyer
  - Cunningham
  - Gibbons

- Hospitality Suites  
Conference Suites

- Recreation:**
- Pool Deck, Bar and Stage
  - Fire-pits and Whirl Pools
  - Eldredge Fitness Center
  - Sport Courts

# SCHEDULE-AT-A-GLANCE

## WEDNESDAY May 11

4:00-8:00P	Registration (Litrenta Foyer Lvl 2)
------------	-------------------------------------

## THURSDAY May 12

6:30-5:00P	Registration (Litrenta Foyer Lvl 2)		
7:15-8:15A	Coffee and Pastries (Elizabeth Ballroom Pre-Function Lvl 2)		
8:00-5:00P	Exhibits (Elizabeth Foyer Lvl 2)		
8:00-8:30A	Greetings from the IMFAR Organizers		
8:30-9:00A	Tom Insel: IACC Update: (Elizabeth Ballroom A-C Lvl 2)		
9:00-10:00A	Keynote Speaker: Annette Karmiloff-Smith – Understanding Autism from a Cross-Syndrome Developmental Perspective (Elizabeth Ballroom A-D Lvl 2)		8:00-1:00P Poster Sessions (Elizabeth Ballroom E-F and Litrenta Foyer Lvl 2)
10:00-10:30A	Break (Elizabeth Ballroom Foyer Lvl 2)		
10:30-12:30P	IES: Characterizing Cognition in Nonverbal Individuals with Autism: Innovation Assessment and Treatment (Elizabeth Ballroom A-C Lvl 2)		Interventions I Early Intervention and Language Intervention; Interventions II Social Skills Interventions; Interventions III Outcomes, Associated Factors and Other Behavioral and Medical Treatments; Psychiatric / Behavioral Comorbidities
10:30-12:30P	Oral Sessions: Services for Children with ASD (Elizabeth Ballroom D Lvl 2)	Oral Sessions: Structural and Functional Brain Imaging In Older Children, Adolescents and Adults with ASD (Elizabeth Ballroom G-H Lvl 2)	Oral Sessions: Animal Models and Cell Biology (Douglas Pavilion A Lvl 1)
12:30-1:45P	Lunch Break		
2:00-4:00P	IES: Imaging Genetics in ASD (Elizabeth Ballroom A-C Lvl 2)		
2:00-4:00P	Oral Sessions: Medical, Psychiatric, and Behavioral Comorbidities (Elizabeth Ballroom D Lvl 2)	Oral Sessions: Interventions: Controlled Treatment Trials (Elizabeth Ballroom G-H Lvl 2)	Oral Sessions: Onset, Clinical Phenotype and Quantitative Traits (Douglas Pavilion A Lvl 1)
4:00-4:30P	Break ( Elizabeth Ballroom Foyer Lvl 2)		
4:30-6:00P	INSAR Awards Ceremony (Elizabeth Ballroom A-C Lvl 2)		1:00-5:30P Poster Sessions (Elizabeth Ballroom E-F and Litrenta Foyer Lvl 2) Biomarkers, Cell Biology and Animal Models; Epidemiology: Biological and Social Risk Factors; Epidemiology: Prevalence, Trajectories, Interventions; Epidemiology: Detection and Screening; Genetics and Genomics; Lifespan, Family and Educational Issues; Neurophysiology: Cognitive Neuroscience; Neurophysiology: Sensory Processing; Neurophysiology: Social & Affective Processing
6:00-8:00P	Reception (Pool Deck Lvl 4)		

### Speaker-Ready Room for Oral Presenters

Location: Molly B

All speakers should stop by the Speaker Ready Room to upload their slides prior to their presentation time. A staff person there will help speakers upload their slides and other files. If at all possible, please upload your slides the day before your presentation. The Speaker-Ready Room will be open as noted below:

Wednesday, May 11 .....3:00 p.m. - 7:00 p.m.  
Thursday, May 12.....7:00 a.m. - 3:15 p.m.  
Friday, May 13 .....7:00 a.m. - 3:15 p.m.  
Saturday, May 14 .....7:00 a.m. - 3:15 p.m.

If speakers do not upload their slides ahead of time, they can still load them on to the computer before they present. If there are problems loading the presentation just before presenting, however, they run the risk of using up their presentation time.

Funding for this conference was made possible in part by 5 R13 MH070772 from the National Institute of Mental Health. The views expressed in written conference materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services; nor does mention by trade names, commercial practices, or organizations imply endorsement by the U.S. Government.

**Posters and sessions listed with this symbol ➤ have been reviewed by the Cultural Diversity Committee and include an issue of cultural diversity (e.g., race, ethnicity, culture, socioeconomic status), a cross-cultural focus, or use a diverse population.**



# SCHEDULE-AT-A-GLANCE

## FRIDAY May 13

SCHEDULE-AT-A-GLANCE

6:30-5:00P	Registration (Litrenta Foyer Lvl 2)			
7:00-8:00A	Coffee & Pastries (Elizabeth Ballroom Foyer Lvl 2)			
8:00-5:00P	Exhibits (Elizabeth Foyer Lvl 2)			
8:00-8:15A	Introduction: Autism Speaks (Elizabeth Ballroom A-D Lvl 2)			
8:15-9:15A	Keynote Address: Eric Courchesne – The Developmental Neurobiology of Autism: The First Steps and the Road Ahead (Elizabeth Ballroom A-D Lvl 2)			8:00-1:00P Poster Sessions (Elizabeth Ballroom EF and Litrenta Foyer Lvl 2) Neuropathology of Autism; Services – I, Services – II, Structural and Functional Brain Imaging #1, Structural and Functional Brain Imaging #2
8:00-1:00P	Innovative Technologies Demonstration Session (Litrenta Foyer Lvl 2)			
9:15-9:45A	Break (Elizabeth Ballroom Foyer Lvl 2)			
9:45-11:45A	IES: Adults with Autism Spectrum Disorders: Challenges for Epidemiological and Outcome Research (Elizabeth Ballroom A-C Lvl 2)			
9:45-11:45A	Oral Sessions: Interventions: Psychopharmacology, Predictors, and Other Outcomes and Related Factors (Elizabeth Ballroom D Lvl 2)	Oral Sessions: Genetics, From Syndromes to GWAS (Elizabeth Ballroom G-H Lvl 2)	Oral Sessions: Neurophysiology: Social, Perceptual and Learning Processes (Douglas Pavilion A Lvl 1)	
11:45-1:00P	Lunch Break			
1:15-3:15P	IES: Translation of Intervention Research to Practice (Elizabeth Ballroom A-C Lvl 2)			1:00-5:30P Poster Sessions (Elizabeth E-G and Litrenta Foyer Lvl 2) Clinical Phenotype I; Clinical Phenotype II; Clinical Phenotype III; Core Deficits and Symptoms; Medical Comorbidities
1:15-3:15P	Oral Sessions: Epidemiology: ASD Prevalence, Trends, and Adults with ASD (Elizabeth Ballroom D Lvl 2)	Oral Sessions: Sex Differences and Females with Autism Spectrum Disorders (Elizabeth Ballroom G-H Lvl 2)	Oral Sessions: Early Functional and Structural Development and Age-Related Changes in ASD (Douglas Pavilion A Lvl 1)	
3:15-3:45P	Break (Elizabeth Foyer Lvl 2)			
3:45-5:45P	Oral Sessions: Genomics and Gene Expression In ASD (Elizabeth Ballroom D Lvl 2)			
3:45-4:45P	Scientific Panel Intervening In Autism In Infancy: Causal Models, Research Approaches, Ethics Barriers (Elizabeth A-C Lvl 2)	Scientific Panel: Multinational Registry-Based Analysis of Autism Risk Factors and Trends: The International Collaboration for Autism Registry Epidemiology (iCARE) (Elizabeth Ballroom G-H Lvl 2)	Scientific Panel Reward Processing in Autism (Douglas Pavilion A Lvl 1)	
4:45P-5:45P	Scientific Panel Infants At High-Risk for Autism: Findings From the Infant Brain Imaging Study (IBIS) (Elizabeth A-C Lvl 2)	Scientific Panel: International Applications of the Modified Checklist for Autism in Toddlers (M-CHAT) In Level 1 Screening (Elizabeth Ballroom G-H Lvl 2)	Scientific Panel Shank Synaptic Genes In Autism: Human Genetics to Mouse Models and Therapeutics (Douglas Pavilion A Lvl 1)	
6:00-8:00P	SIG: Motor Action Development (MAD) (Elizabeth Ballroom G-H Lvl 2)	SIG: Sensory Features in Autism (Elizabeth Ballroom D Lvl 2)	SIG: Postmortem Brain Tissue Research in Autism (Elizabeth Ballroom A-C Lvl 2)	SIG: EEG / MEG (Douglas Pavilion A Lvl 1)
	SIG: Sleep (Betsy Room Lvl 2)	SIG: Contextually-Valid Interventions for School-Aged Children (Madeleine A-D Lvl 3)		

## SATURDAY May 14

6:30-1:30P	Registration (Litrenta Foyer Lvl 2)			
7:00A-8:00A	Coffee & Pastries (Elizabeth Ballroom Foyer Lvl 2)			
8:00-1:00P	Exhibits (Elizabeth Foyer Lvl 2)			
8:00-8:15A	Simons Foundation (Elizabeth Ballroom A-D Lvl 2)			
8:15-9:15A	Keynote Address: Ricardo Dolmetsch – Using Induced Pluripotent Stem Cells to Study Autism (Elizabeth Ballroom A-D Lvl 2)			8:00-1:00P Poster Sessions (Elizabeth E-F and Litrenta Foyer Lvl 2) Adults with Autism, Girls with Autism, Developmental Psychopathology, Methodological Issues; Higher Cognition; Language, Emotion, and Face Processing; Perceptual and Motor Processing
9:15-9:45A	Break (Elizabeth Ballroom Foyer Lvl 2)			
9:45-11:45A	IES: Bridging the Gaps In Knowledge of Social Interventions for HFASD: Where We Are Now and Where We Need to Go (Grand Ballroom A-C Lvl 2)			
9:45-11:45A	Oral Sessions: Epidemiology, Biological Risk Factors (Elizabeth Ballroom D Lvl 2)	Oral Sessions: Restricted and Repetitive Behaviors and Sensory Issues (Elizabeth Ballroom G-H Lvl 5)	Oral Sessions: Structural and Functional Brain Imaging in Older Children, Adolescents and Adults with ASD Session #2 (Douglas Pavilion A Lvl 1)	
11:45-1:00P	Lunch Break 12:00P-1:00P Business Meeting (Elizabeth Ballroom A-C Lvl 2)			
1:15-3:15P	IES: The Role of the Amygdala in Mediating Anxiety and Core Deficits in Patients with Autism Spectrum Disorders (Elizabeth Ballroom A-C Lvl 2)			
1:15-3:15P	Oral Sessions: Structural and Functional Brain Imaging in Older Children, Adolescents and Adults with ASD (Elizabeth Ballroom D Lvl 2)	Oral Sessions: Interventions: Behavioral CAM and Psychopharmacology Treatments (Elizabeth Ballroom G-H Lvl 2)	Oral Sessions: Infants with Autism and Infant Siblings (Douglas Pavilion A Lvl 1)	

**Posters and sessions listed with this symbol ➤ have been reviewed by the Cultural Diversity Committee and include an issue of cultural diversity (e.g., race, ethnicity, culture, socioeconomic status), a cross-cultural focus, or use a diverse population.**

# Autism Research

*A journal with a developmental approach  
to the biology and psychology of autism.*

**Autism Research**, the flagship journal of the International Society for Autism Research, covers basic genetic, neurobiological and psychological mechanisms and how these influence developmental processes in ASDs.

## Submitting your research is easy!

Articles with a particular emphasis on identifying underlying mechanisms and integrating across different levels of analysis are particularly encouraged.

Simply visit our online manuscript submission and peer review site at: <http://mc.manuscriptcentral.com/autismresearch>

## Recommend to your librarian today

for access to this crucial journal in the field. Simply visit the journal home page [www.autismresearchjournal.com](http://www.autismresearchjournal.com) and click on the "Recommend" link.

Don't to miss Volume 4, Issue 1, a **Special Issue on Mouse Models of Autism Spectrum Disorders**, guest edited by *Jacqueline Crawley*, *Emanuel DiCicco-Bloom*, and *Anthony J. Bailey*.

This special issue comprises thought provoking and illuminating articles of interest to basic researchers and clinicians alike.



Indexed by  
**MEDLINE,  
PsychINFO  
and ISI**

## Autism Research

is guided under  
the leadership of:

### EDITOR-IN-CHIEF

**Anthony J. Bailey**

Department of Psychiatry  
University of British Columbia  
Vancouver, BC

### ASSOCIATE EDITORS

**Sally J. Rogers**

The M.I.N.D. Institute,  
University of California

**James S. Sutcliffe**

Vanderbilt Kennedy Center  
Vanderbilt University

### LITERATURE REVIEW EDITOR

**Edwin H. Cook, Jr.**

Institute for Juvenile Research  
University of Illinois at Chicago

INSAR

International Society  
for Autism Research

The International Society for Autism Research (INSAR) is a scientific and professional organization devoted to advancing knowledge about autism spectral disorders (ASDs), including autism, Asperger Syndrome and Pervasive Developmental Disorders Not Otherwise Specified (PDD NOS).

*Society members can access the journal via the INSAR website.*

Visit: <http://www.autism-insar.org> for more details or to become a member.

For more information about the journal, please visit: [www.autismresearchjournal.com](http://www.autismresearchjournal.com)

## Thursday, May 12

### Student "Meet-the-Experts" Roundtable Luncheon

*(by pre-registration only)*

12:45 p.m. – 1:45 p.m.

Manchester Grand Hyatt • Betsy AB, 2nd Level

Student scientists and postdoctoral researchers, bring your lunch and network with expert autism scientists in a unique and informal format. Sit at a roundtable with the autism expert of your choice, who will share experiences about their career, research from their laboratory and advice on how to build a successful research career. Reservations were accepted prior to the meeting and were open to graduate, medical and postdoctoral students. Seating is limited. Students who have not registered prior to the meeting should inquire at the registration desk to determine whether slots are still available.

## Thursday, May 12

### Student Social Event

8:30 p.m. – 11:30 p.m.

Buster's Beach House in Seaport Village

Student Members are invited to attend the second annual Student Social Event at Buster's Beach House in Seaport Village (807 West Harbor Drive), just a block away from the conference hotel. Food and non-alcoholic drinks will be provided by INSAR free of charge, and there will be a cash bar. Please come meet old friends and make new ones.

## Friday, May 13

### Cultural Diversity Networking Luncheon

*(by invitation only)*

11:45 a.m. – 1:00 p.m.

Manchester Grand Hyatt • Gregory AB, 2nd Level

## Friday, May 13

### Community Advisory Committee (CAC) Stakeholder\* Network Luncheon

*(by invitation only)*

11:45 a.m. – 1:00 p.m.

Manchester Grand Hyatt • Betsy AB, 2nd Level

A complimentary box lunch will be served. This event is sponsored by Autism Speaks.

\*Community stakeholders include families and individuals living with autism

## IMFAR 2011 KEYNOTE SPEAKERS



### **Eric Courchesne, Ph.D.**

Eric Courchesne is Professor of Neurosciences in the School of Medicine at the University of California San Diego (UCSD) and Director of the NIH-funded UCSD Autism Center of Excellence. He is an internationally recognized expert on brain structural and functional abnormalities associated with autism. His Autism Center of Excellence aims to identify biobehavior markers of autism that will allow for earlier diagnosis and treatment by integrating behavioral, developmental, genetic, neuroanatomic and neurofunctional findings. Current ACE Center research includes MRI studies identifying structures that are abnormal at infancy in autism and elucidating patterns of abnormal growth from infancy through adulthood. Current functional brain imaging techniques seek to establish links between autistic symptoms in infants and toddlers and the brain sites responsible for them. Studies of brain tissue have discovered novel gene expression profiles and cellular defects in the frontal cortex at the youngest ages in autism and have additionally characterized how these abnormalities change with age from early childhood and to adulthood. Dr. Courchesne's studies have resulted in over 180 publications with an overall very high impact factor as determined by the ISI Web of Knowledge. His research has been published in *Science*, *JAMA*, *Lancet* and the *New England Journal of Medicine* and is supported through grants from NIMH, NINDS, NICHD, the Simons Foundation and Autism Speaks.



### **Ricardo Dolmetsch, Ph.D.**

Ricardo Dolmetsch is a faculty member in the Department of Neurobiology at Stanford University where he directs a laboratory that studies the underlying cellular and molecular basis of autism spectrum disorders (ASDs). He is a graduate of Brown University, received his graduate degree from Stanford and did his postdoctoral training at Harvard Medical School. His group has pioneered the use of adult stem cells to study the development of the brain and the mechanisms that lead to neurodevelopmental disease. He has received numerous awards for his work including the Society for Neuroscience Young Investigator Award in 2007 and the NIH Director's Pioneer Award in 2008. He is the author of more than 30 scholarly publications and is the parent of a child with ASD.



### **Professor Annette Dionne Karmiloff-Smith**

Until 2003 Annette Karmiloff-Smith was head of the Neurocognitive Development Unit at the Institute of Child Health in London where she ran a research team studying typical / atypical development and genotype / phenotype relations. She now occupies a Professorial Research Fellowship at the Birkbeck Centre for Brain and Cognitive Development, University of London. She has a "Doctorat en Psychologie Génétique et Expérimentale" from the University of Geneva, where she studied with the famous Swiss psychologist, Jean Piaget. She is the author of seven books and of over 200 chapters and articles in scientific journals, as well as a series of booklets for parents on different aspects of foetal, infant and child development. Her research on neurodevelopmental syndromes focuses on identifying basic-level deficits in early infancy and their cascading effects over developmental time on the resulting cognitive phenotype.

## Lifetime Achievement Award

The Lifetime Achievement Award is given annually by the Executive Board of the International Society for Autism Research. This award acknowledges an individual who has made significant fundamental contributions to research on autism spectrum disorders that have had a lasting impact on the field. The focus of the awardee's research can be in any discipline.

### Margaret L. Bauman, M.D.

Dr. Margaret L. Bauman is a distinguished pediatric neurologist and research investigator who has been a pioneer in the study and treatment of autism for the past twenty-five years. One of the world's foremost physicians in this field, she is highly respected for the outstanding clinical care she provides, as well as for her research and teachings in the domain of developmental disorders. Renowned for a wealth of clinical and research advances, Dr. Bauman's dedicated career is best exemplified in her establishment and development of The Autism Research Foundation (TARF), The Autism Research Consortium (TARC), LADDERS (Learning and Developmental Disabilities and Rehabilitation Services) and The Autism Treatment Network (ATN). Countless professionals have benefited from her teaching, leadership, and challenge to excel. Her commitment, passion and dedication to advancing the understanding of the biology of autism while promoting and providing the delivery of optimum clinical care define Dr. Margaret Bauman as a world leader in this field.

## Special Recognition Award

### Bernard Rimland, M.D. (Awarded posthumously)

Dr. Rimland's forty years of work on behalf of autistic children began with a single child: his own son, Mark Rimland, born in 1956. Dr. Rimland's battle to help autistic children began in the early 1960s. He discovered powerful evidence that autism was a biological disorder—a fact that seems obvious now, but was revolutionary at the time. He outlined this evidence in his seminal book *Infantile Autism: The Syndrome and Its Implications for a Neural Theory of Behavior*, published in 1964. The book changed the autism world forever: it won the Century Award for distinguished contribution to psychology. He formed the National Society for Autistic Children (NSAC), now known as the Autism Society of America. Through this group, parents of children with autism—a very rare disorder, at the time — could offer each other moral support and practical advice about which therapies worked and which didn't. Dr. Rimland knew, however, that educational treatments alone could not adequately address a devastating biological disorder such as autism. In 1967, he started the nonprofit Autism Research Institute in order to create a worldwide research center and clearinghouse for biomedical treatments (which barely existed at the time). In 1985, he retired from his career as a psychologist for the Navy to devote the remainder of his life to autism research.

## INSAR Advocate Awards

This award honors community members / advocates who have influenced the ability to carry out autism research.

### Portia Iversen

Portia Iversen was an art director and writer for film and television, winning an Emmy Award in 1989. Her career changed abruptly in 1995 when her son Dov was diagnosed with autism, at which time Portia and her husband Jon Shestack, co-founded the Cure Autism Now foundation (CAN), a driving force in the emergent field of autism research. Soon after establishing CAN, they established the Autism Genetics Resource Exchange (AGRE), the first autism gene bank to provide open access to data and biological samples to the entire scientific community. Iversen has served as a grant reviewer on many review boards including for the National Institute of Mental Health, (NIMH) and Department of Defense and she is currently serving on the NIMH Advisory Council. She has co-authored a number of research papers and studied molecular biology and neuroscience as well as founding the International Meeting for Autism Research (IMFAR). Portia has received a number of community awards in recognition of her role as an advocate for the advancement of autism research and she has given presentations throughout the world. Her book: *'Strange Son'* (Riverhead 2007), has been translated into 10 languages. The book chronicles her experience with her nonverbal, autistic son Dov, who began to communicate at the age of nine. Portia recently founded the Descartes online community for families with nonverbal children with autism, which now serves more than 3,000 members. Currently Portia's primary focus is on advocacy and research aimed at the nonverbal ASD population, and especially the advancement of their ability to communicate.

### Eric London, M.D.

Dr. Eric London co-founded the National Alliance for Autism Research in July 1994. NAAR was the first organization in the US dedicated to funding and accelerating biomedical research and science-based approaches in autism. Dr. London set the direction of NAAR's research portfolio. He conceptualized and often chaired its many multi-disciplinary scientific conferences, created the Autism Tissue Program and the Baby Siblings Research Consortium, and wrote and lectured extensively. Before IMFAR, he regularly attended meetings in various disciplines to encourage scientists to consider the relevancy of their work to autism and changed the trajectory of more than a few careers. Following the merger of NAAR and Autism Speaks, Dr. London served for three years on the Executive Board and Science Advisory Committee. In his years as a psychiatrist, he has treated thousands of children and adults on the autism spectrum. He has served as Director of Autism Treatment Research at the Institute for Basic Research in Developmental Disabilities and is currently Director of Research at The Center for Discovery. He is proud to serve as a member of the Autism Science Foundation's Scientific Advisory Board.

### Karen London

Following the diagnosis of their son, Zachary, Karen London retired from ten years' practice as a corporate attorney. As Co-founder of NAAR, she served as NAAR's President for seven years and as a trustee for eleven years, and took the lead in NAAR's fundraising and chapter creation. As "volunteer director" of NAAR's thousands of volunteers, she traveled the country — often with Zachary by her side — to "Walk FAR for NAAR" with the tens of thousands who walked to raise money for autism research. In 2009, Karen joined with former NAAR walk chair, Alison Singer, to launch the Autism Science Foundation, which continues NAAR's commitment to research funding and scientific excellence, and is a sponsor of the IMFAR conference. Karen continues to believe that outstanding research is the greatest gift we can give to our families.

### Jon Shestack

Jon Shestack is currently a movie producer in Los Angeles, California. He is the father of three including Dov, 19, who has autism. In the late 90s Jon and his wife Portia started Cure Autism Now, at the time, the largest most aggressive group funding biological research in autism. This group held the first meetings on the field in Animal Models, the GI / Gut connection and Autism and Motor Disorders. In addition, with collaboration with NAAR it helped recruit hundreds of scientists, pass the Children's Health Act and the Combating Autism Act. Jon and Portia started AGRE, the world's only collaborative gene bank for autism. CAN was a very progressive organization that deeply involved stakeholders, made sure scientists actually met autistic people, treated the person with autism like the customer not the victim, and aggressively believed that you CAN indeed hurry science. Jon served on the IACC for six years. In 2004 — or so, Autism Speaks came on the scene and forcefully engineered a merger. Jon served on the Executive Committee of Autism Speaks for three years. Jon currently serves on the Citizen Oversight board of the California Institute for Regenerative Medicine. He has produced several movies including *The Last Seduction*, *Air Force One*, *Family Man*, *Bring It On*, *Ghosts of Girlfriend's Past* and *Dan in Real Life*.

## SLIFKA / RITVO Innovation in Autism Research Awards

The Alan B. Slifka Foundation seeks to promote innovative research on autism spectrum disorders that will lead to innovative treatments and improvements in the quality of life of individuals with autism. The Foundation wishes to partner with INSAR in honoring the most meritorious and innovative presentations at the annual IMFAR meeting. The Foundation will provide two research awards: one to a clinical researcher (diagnosis or treatment of autism or educational efforts) the other to a basic researcher (epidemiology, genetics, neuroscience, immunology, etc).

The recipients of the Slifka / Ritvo Awards will be announced at the awards ceremony at the annual IMFAR meeting.

# IMFAR 2011 AWARDEES

## Student Awards

Student Travel Awards are available to graduate students, postdoctoral fellows, and medical students and residents actively engaged in autism research. The award will provide a \$500 stipend. The first priority is given to students who are presenting their own original research at IMFAR 2011 and who have not received an IMFAR Student Award before.

Ben Alderson-Day	University of Edinburgh
Hector Amezcua	University of Mexico
Sharlet Anderson	Georgia State
Laura Benton	University of Bath
Lucie Bouvet	University of Grenoble
Jonathan Breidbord	University of Cambridge
Catherine Cheely	University of South Carolina
Lindsay Chura	University of Cambridge
Owen Churches	University of Cambridge
Heather Close	Johns Hopkins
Drew Coman	University of Miami
Anna-Maria D'Cruz	University of Illinois
Jillian Filliter	Dalhousie University
Patricia Garcia-Primo	University of Salamanca
Tia Holtzclaw	University of Alabama
Roger Jou	Yale University
Gregor Kohls	Children's Hospital of Philadelphia
Maithilee Kunda	Georgia Tech
Kristin Lierheimer	University of Missouri
Veema Lodhia	University of Auckland
Jeff MacLeod	Dalhousie University
Natasa Mateljevic	Yale University
Andree-Anne Meilleur	University of Montreal
Erin Molloy	Washington University
Karine Morin	University of Montreal
Audrey Perrault	University of Montreal
Zueqin Qian	University of Minnesota
Amber Ruigrok	University of Cambridge
Stefanie Schelinski	Max Planck Institute
Jillian Schuh	University of Connecticut
Hila Shilo	Bar-Ilan University
Michael Spencer	University of Cambridge
Edward Sucksmith	University of Cambridge
Jillian Sullivan	University of Cambridge
Shota Uono	Kyoto University
Courtney Venker	University of Wisconsin
Patricia Zavaleta-Ramirez	University of Mexico

## Diversity Awards

Diversity Travel Awards are provided to U.S. citizens or others studying in or working in autism research in U.S. health-related institutions, universities, or public agencies. The awards are given to persons from racial, ethnic, and disability groups that have been historically under-represented in the sciences in the U.S. The awards provide a stipend of \$1,000 by funds from the U.S. National Institutes of Health. The purpose of the awards is to increase the participation of individuals currently underrepresented in the U.S. in the biomedical, clinical, behavioral and social sciences, defined as: 1. individuals from underrepresented racial and ethnic groups and/or 2. individuals with disabilities.

Marisa Arroyo	Georgia State University
Kristen Berry	Hunter College
Kira Carter	University of Pennsylvania
Jason Cooperrider	University of Utah
Mirjana Ivanisevic	Georgia State University
Meena Khowaja	Georgia State University
Kristina Lopez	University of Michigan
Tasha Oswald	University of Oregon
Julia Parish-Morris	University of Pennsylvania
Mary Wojnaroski	University of Alabama

## Young Investigator Awards

Two Young Investigator Awards will be made for the best biological and clinical empirical research papers published or in press in the year 2010 by an investigator who has been awarded their Ph.D. or M.D. in the past seven years. These two awards will involve a prize of \$500 each, and reimbursement for travel, hotel, and registration costs for attending the meeting.

Sophie Lind	Durham University
Dalila Pinto	Centre for Applied Genomics – Hospital for Sick Children

## Dissertation Awards

Two Dissertation Awards are given annually to active scientists and clinicians working in all aspects of autism research. One award will be for the best neurobiological dissertation and one for the best clinical/behavioral dissertation in autism accepted by the university in year 2011. These two awards will involve a prize of \$500 each, and reimbursement for travel, hotel, and registration costs for attending the meeting.

Michael Lombardo	University of Cambridge – Neurobio
Leigh Sepeta	UCLA – Clinical

## Professionals from Developing Countries Awards

Awards are provided to those Professionals from Developing Countries who are engaged in autism research. The awards provide a stipend of \$1,000 and are funded by INSAR.

Amanat Ali	Oman
Merry Barua	India
Sabri Herguner	Turkey
Chinonyerem Igwe	Nigeria
Dana Isawi	Palestine
Vladimir Lazarev	Brazil
Prahbjot Malhi	India
Jumana Odeh	Palestine
Alexia Rattazzi	Argentina
Nidhi Singhal	India
Mustafa Tutkunkardas	Turkey
Shubhangi Vaidya	India
Chongying Wang	China

# ACKNOWLEDGMENTS

The International Society for Autism Research (INSAR) is the professional organization that oversees the annual International Meeting for Autism Research (IMFAR). INSAR is responsible for appointing all committees that govern the organization and approving the content and format of the Annual Meeting.

## **INSAR Governing Board**

### **PRESIDENT**

David G. Amaral  
The M.I.N.D. Institute  
UC Davis

### **VICE PRESIDENT**

Simon Baron-Cohen  
Cambridge University

### **TREASURER**

Laura Grofer Klinger  
University of Alabama

## ***Autism Research Journal***

Journal Editor: Anthony Bailey

## **INSAR Committees**

### **Annual Meeting Committee**

Meeting Chair: Laura Schreibman, University of California, San Diego  
Program Chair: Dan Geschwind, UCLA

### **Community Advisory Committee**

Chair: Peter Bell, Autism Speaks  
Co-Chair: John Elder Robison, Autism Speaks

### **Cultural Diversity Committee**

Chairs: Marshalyn Yeargin-Alsop, CDC and Tamara Daley, Westat

### **Membership Committee**

Chair: Susan Bookheimer, UCLA

## **INSAR Staff**

M. Suzanne Berry, MBA, CAE  
Leadership Coordinator

Jennifer Gentry  
Association Administrator

Kathryn Allen  
Membership & Registration Administrator

## **INSAR Meeting Planning – Conference Direct**

Joe Dymek  
Jennifer Marshall

## **INSAR Abstracts - Confex**

Richelle Topping

## **INSAR Website – MixxMedia**

Jonathan Wood

## **SECRETARY**

Deb Fein  
University of Connecticut

## **PAST PRESIDENT**

Robert T. Schultz  
Children's Hospital of Philadelphia

### **Nominations & Elections Committee**

Chair: Geri Dawson, Autism Speaks

### **Public Relations Committee**

Chair: Alison Singer, Autism Science Foundation  
Co-Chair: Dana Marnane, Autism Speaks

### **Student Committee**

Chair: Matthew Goodwin, MIT  
Co-Chair: Mark Shen, M.I.N.D. Institute, UC Davis

### **Website Committee**

Chair: Simon Baron-Cohen, University of Cambridge

# ACKNOWLEDGMENTS

## Scientific Program Committee

Dan Geschwind — Program Committee Chair

David Amaral  
Simon Baron-Cohen  
Patrick Bolton \*  
Susan Bookheimer \*  
Maja Bucan \*  
Sophia Colamarino \*  
Eric Courchesne \*  
Manny DiCicco-Bloom  
Eric Fombonne \*  
Susan Hyman  
Connie Kasari \*  
Ami Klin  
David Ledbetter  
Catherine Lord  
David Mandell \*  
Nancy Minshew \*  
Declan Murphy  
Richard Paylor \*  
Kevin Pelphrey  
Karen Pierce \*  
Sally Rogers  
Angelica Ronald \*  
Stephen Scherer  
Jon Shestack  
Alison Singer  
Marjorie Solomon \*  
Sarah Spence \*  
Matthew State  
Sarah Jane Webb \*  
Marshalyn Yeargin-Allsopp  
Lonnie Zwaigenbaum \*

\* Topical Session Chair

## Meeting Committee

Laura Schreibman — Meeting Committee Chair  
Aubyn Stahmer - Meeting Committee Co-Chair

Natacha Akshoomoff  
Stephan Anagnostaras  
Mary Baker-Ericzen  
Lauren Brookman-Frazer  
Leslie Carver  
Christina Corsello  
Eric Courchesne  
Karen Dobkins  
Rebecca Gutierrez  
Laura Hall  
Ann Mound  
Karen Pierce  
Jessica Suhrheinrich

## Abstract Reviewers

Paul Ashwood  
Muideen Bakare  
Simon Baron-Cohen  
Gene Blatt  
Patrick Bolton  
Susan Y. Bookheimer  
Katharina Boser  
Maja Bucan  
Alice Carter  
Carissa Cascio  
Sophia Colamarino  
Eric Courchesne  
Emanuel DiCicco-Bloom  
Ashley R. Dillon  
Inge-Marie Eigsti  
Naomi Ekas  
Annette M. Estes  
Susan Faja  
Eric Fombonne  
D.H. Geschwind  
Matthew Goodwin  
Laura Hewitson  
Camilla Hileman  
Patricia Howlin  
Kristelle Hudry  
Susan Hyman  
Emily J. H. Jones  
Rajesh K. Kana  
Connie Kasari  
Raida Khalil  
Natalia M. Kleinhans  
Ami Klin  
Nicholas Lange  
David H. Ledbetter  
Li-Ching Lee  
Alan J. Lincoln  
Xiao-Qing Liu  
Eric London  
Catherine Lord  
David S. Mandell  
Katherine M. Martien  
Grainne M. McAlonan  
James McPartland

Rita McWilliams  
Nancy J. Minshew  
Randal Moldrich  
Declan Murphy  
Letitia Naigles  
Rob Nicolson  
Ilse Noens  
Manabu Oi  
Richard Paylor  
Kevin Pelphrey  
James M. Perrin  
Antonio M. Persico  
Karen Pierce  
Nicholas M. Ponzio  
Emily Tucker Prud'hommeaux  
Herbert Roeyers  
Angelica Ronald  
Lisa A. Ruble  
Nicole M. Russo  
Noah Sasson  
Roseann Schaaf  
Diana E. Schendel  
Stephen W. Scherer  
Hannah Schertz  
Cynthia M. Schumann  
Frank Sharp  
Jonathan Shestack  
Alison Singer  
Marjorie Solomon  
Sarah J. Spence  
Matthew State  
Zohreh Talebizadeh  
Julie Lounds Taylor  
Audrey Thurm  
Simon Wallace  
Sara Jane Webb  
Diane L. Williams  
Ericka L. Wodka  
Marshalyn Yeargin-Allsopp  
Benjamin Yerys  
Huanqing Zhang  
Lonnie Zwaigenbaum

## IMFAR 2011

Annual Meeting abstracts  
available on the website  
[www.autism-insar.org](http://www.autism-insar.org)



# THURSDAY May 12, 2011 – AM

www.autism-insar.org

**THURSDAY – AM**

6:30-5:00P	Registration (Litrenta Foyer Lvl 2)			
7:15-8:15A	Coffee and Pastries (Elizabeth Ballroom Pre-Function Lvl 2)			
8:00-5:00P	Exhibits (Elizabeth Foyer Lvl 2)			
8:00-8:30A	Greetings from the IMFAR Organizers			
8:30-9:00A	Tom Insel: IACC Update: (Elizabeth Ballroom A-C Lvl 2)			
9:00-10:00A	Keynote Speaker: Annette Karmiloff-Smith – Understanding Autism from a Cross-Syndrome Developmental Perspective (Elizabeth Ballroom A-D Lvl 2)			8:00-1:00P Poster Sessions (Elizabeth Ballroom E-F and Litrenta Foyer Lvl 2)
10:00-10:30A	Break (Elizabeth Ballroom Foyer Lvl 2)			Interventions I Early Intervention and Language Intervention; Interventions II Social Skills Interventions; Interventions III Outcomes, Associated Factors and Other Behavioral and Medical Treatments; Psychiatric / Behavioral Comorbidities
10:30-12:30P	IES: Characterizing Cognition in Nonverbal Individuals with Autism: Innovation Assessment and Treatment (Elizabeth Ballroom A-C Lvl 2)			
10:30-12:30P	Oral Sessions: Services for Children with ASD (Elizabeth Ballroom D Lvl 2)	Oral Sessions: Structural and Functional Brain Imaging In Older Children, Adolescents and Adults with ASD (Elizabeth Ballroom G-H Lvl 2)	Oral Sessions: Animal Models and Cell Biology (Douglas Pavilion A Lvl 1)	
12:30-1:45P	Lunch Break			

## Keynote Address

### 100 - Understanding Autism from a Cross-Syndrome Developmental Perspective

9:00 AM - 10:00 AM - Elizabeth Ballroom A-D

*Speaker:* A. Karmiloff-Smith; *Birkbeck Centre for Brain and Cognitive Development, University of London*

Autism and the neurodevelopmental disability, Williams syndrome, have often been characterized at opposite ends of a neural and cognitive continuum in terms of their social and cognitive profiles, whereas in-depth analyses reveal many commonalities that emerge across their developmental trajectories. In this address, I will show how tracing domain-specific phenotypic outcomes back to their domain-relevant processes in the infant start states can help to identify the ways in which tiny initial impairments can cascade over developmental time to result in large developmental differences in the end state.

## Invited Educational Symposium

### 101 - Characterizing Cognition In Nonverbal Individuals with Autism: Innovative Assessment and Treatment

10:30 AM - 12:30 PM - Elizabeth Ballroom A-C

*Session Chair:* G. Dawson; *Autism Speaks, UNC Chapel Hill*

Current estimates are that one-quarter to one-half of children with ASD enter school with minimal verbal skills. At this point we cannot determine pathways to language impairment — which children might be preverbal as preschoolers and which ones go on to be nonverbal. Parents are understandably concerned about this situation given the often cited finding that children who speak by the time they are 5 or 6 years of age have milder symptoms and function more adaptively as adults (Lord, 2000; Rutter, 1978). Moreover, recent evidence suggests that while some children can learn to talk after age 5

years, most do so between 5 and 7 years, have IQs over 50 and rarely progress to phrase speech (Pickett, et al, 2009). This symposium will describe a series of innovative studies for characterizing language impairment in school-aged children with ASD with an overarching goal of enriching intervention research with translational, brain based methods

- 10:30 **101.001** Assessing Cognition and Language In Nonverbal Children with Autism: Is the Frog Green?. A. A. Benasich<sup>1</sup>, V. L. Shafer<sup>2</sup>, J. Flax<sup>3,4</sup>, Y. H. Yu<sup>5</sup> and M. MacRoy-Higgins<sup>6</sup>, (1)Center for Molecular & Behavioral Neuroscience, Rutgers University Newark, Newark, NJ, (2)Speech-Language-Hearing Sciences, College of the City of New York, New York, NY, (3)Rutgers University, Newark, NJ, United States, (4)Department of Genetics, Rutgers University, Piscataway, NJ, (5)Speech-Language-Hearing Sciences, The City University of New York, New York, NY, (6)Communication Sciences Program, Hunter College-CUNY, New York, NY
- 11:00 **101.002** Innovations In Assessing Cognition In Nonverbal Children with Autism Spectrum Disorder. J. Connolly<sup>1</sup>, J. A. Reitzel<sup>2</sup>, P. Szatmari<sup>3</sup> and A. Harrison<sup>1</sup>, (1)McMaster University, Hamilton, ON, Canada, (2)1200 Main St. W., P.O. Box 2000, McMaster Children's Hospital/McMaster University, Hamilton, ON, Canada, (3)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada
- 11:30 **101.003** Developing Biomarkers of Language Impairment In Nonverbal Children with Autism: An MEG Investigation. N. M. Gage<sup>1</sup>, A. L. Isenberg<sup>1</sup>, P. T. Fillmore<sup>2</sup>, K. Osann<sup>3</sup> and P. Flodman<sup>4</sup>, (1)Cognitive Sciences, University of California, Irvine, Irvine, CA, (2)Communication Sciences and Disorders, University of South Carolina, Columbia, SC, (3)Medicine, University of California, Irvine, Irvine, CA, (4)Pediatrics, University of California, Irvine, Irvine, CA
- 12:00 **101.004** CCNIA Intervention: Spoken and Augmented Means of Communication. C. Kasari<sup>1</sup>, A. Kaiser<sup>2</sup>, R. J. Landa<sup>3</sup>, P. Mathy<sup>4</sup>, K. Goods<sup>5</sup> and J. Niefeld<sup>2</sup>, (1)University of California, Los Angeles, Los Angeles, CA, (2)Vanderbilt University, Nashville, TN, (3)Kennedy Krieger Institute, Baltimore, MD, (4)Kennedy Krieger Institute, Baltimore, MD, (5)Division of Psychological Studies in Education, University of California, Los Angeles, Los Angeles, CA

**Oral Sessions**

**102 - Services for Children with ASD**

10:30 AM - 12:30 PM - Elizabeth Ballroom D

- 10:30 **102.001** The Role of Compliance with American Academy of Pediatrics Guidelines for Well Child Care In the Early Detection of Autistic Disorder. A. M. Daniels<sup>1</sup>, S. C. Marcus<sup>2</sup> and D. S. Mandell<sup>3</sup>, (1)Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (2)University of Pennsylvania, Philadelphia, PA, (3)University of Pennsylvania School of Medicine, Philadelphia, PA
- 10:45 **102.002** General Education Teachers' Perceptions of Inclusion for Children with Autism. P. Rosen<sup>1</sup>, E. Rotheram-Fuller<sup>2</sup> and D. S. Mandell<sup>3</sup>, (1)School Psychology, Temple University, Philadelphia, PA, (2)Temple University, Philadelphia, PA, United States, (3)University of Pennsylvania School of Medicine, Philadelphia, PA
- 11:00 **102.003** Differences In Parenting Stress for Parents of Young Children with ASD Between Ages 2 and 4. L. E. Herlihy<sup>1</sup>, T. Dumont-Mathieu<sup>2</sup>, M. Barton<sup>3</sup> and D. A. Fein<sup>3</sup>, (1)Department of Psychology, University of Connecticut, Storrs, CT, (2)University of Connecticut, Storrs, CT (3)University of Connecticut, Storrs, CT
- 11:15 **102.004** Fidelity of Implementation of Evidence-Based Practices by Paraprofessionals In Community Classrooms. V. Zandi<sup>1</sup>, A. C. Stahmer<sup>2</sup>, S. Reed<sup>2</sup>, E. L. Lee<sup>3</sup>, S. Shin<sup>4</sup> and D. S. Mandell<sup>5</sup>, (1)San Diego, CA, (2)Rady Children's Hospital, San Diego, San Diego, CA, (3)Rady Children's Hospital, San Diego, CA, (4)University of Pennsylvania, Philadelphia, PA, United States, (5)University of Pennsylvania School of Medicine, Philadelphia, PA
- 11:30 **102.005** Quality of Autism Websites. B. Reichow<sup>1</sup>, T. Steinhoff<sup>1,2</sup>, N. Letsinger<sup>1,3</sup>, J. Halpern<sup>2,4</sup> and F. R. Volkmar<sup>1</sup>, (1)Child Study Center, Yale University, New Haven, CT, (2)Fordham University, Bronx, NY, (3)Providence College, Providence, CT, (4)Yale University, New Haven, CT
- 11:45 **102.006** Service Use and Unmet Needs Among School-Aged Children with ASD. C. B. Zimmerman<sup>1,2</sup>, D. R. Langer<sup>2,3</sup>, M. A. McCarthy<sup>1,2</sup>, L. J. Lawer<sup>1,2</sup>, E. Brusilovskiy<sup>4</sup> and D. S. Mandell<sup>1,2</sup>, (1)University of Pennsylvania School of Medicine, Philadelphia, PA, (2)Children's Hospital of Philadelphia, Center for Autism Research, Philadelphia, PA, (3)Drexel University, Philadelphia, PA, (4)Temple University, Philadelphia, PA
- 12:00 **102.007** Socio-Economic Based Disparities In Classification and Educational Services to Autism Spectrum Disorder Children. S. Neves<sup>1</sup>, S. Kurland<sup>1</sup>, J. Shenouda<sup>1</sup>, N. Scotto-Rosato<sup>2</sup>, S. Howell<sup>2</sup> and W. Zahorodny<sup>3</sup>, (1)Pediatrics, UMDNJ, Newark, NJ, (2)NJ State Health Department, Trenton, NJ, (3)New Jersey Medical School, Newark, NJ

- 12:15 **102.008** Outcomes of Early Intervention Services for Families of Children with Autism Spectrum Disorders. B. Elbaum<sup>1</sup>, D. M. Noyes-Grosser<sup>2</sup>, E. Morgan<sup>3</sup>, L. Yan<sup>4</sup> and K. Siegenthaler<sup>2</sup>, (1)University of Miami, Coral Gables, FL, (2)Bureau of Early Intervention, New York State Department of Health, Albany, NY, (3)Department of Epidemiology and Biostatistics, State University of New York, Rensselaer, NY, (4)School of Public Health and Health Services, Population Health Observatory, University at Buffalo, Buffalo, NY

**Oral Sessions**

**103 - Structural and Functional Brain Imaging In Older Children, Adolescents and Adults with ASD**

10:30 AM - 12:30 PM - Elizabeth Ballroom G-H

*Session Chair: M. Solomon; Department of Psychiatry, MIND Institute, Imaging Research Center*

- 10:30 **103.001** ASD Risk Polymorphism in MET is Associated with an Aberrant Pattern of Functional Activity Across Regions of High MET Expression. J. D. Rudie<sup>1</sup>, L. M. Hernandez<sup>1</sup>, D. Shirinyan<sup>1</sup>, N. L. Colich<sup>1</sup>, P. Gorrindo<sup>2</sup>, D. H. Geschwind<sup>3</sup>, P. Levitt<sup>2</sup>, S. Y. Bookheimer<sup>4</sup> and M. Dapretto<sup>1,4</sup>, (1)Brain Mapping Center, University of California, Los Angeles, Los Angeles, CA, (2)Zilkha Neurogenetic Institute, Keck School of Medicine, University of Southern California, Los Angeles, CA, (3)Center for Neurobehavioral Genetics, University of California, Los Angeles, Los Angeles, CA, (4)Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, Los Angeles, CA
- 10:45 **103.002** A Common Oxytocin Receptor Polymorphism Interacts with Adverse Social Experiences In Influencing Brain Responses to Angry Faces and Social-Affective Problems. E. Loth<sup>1</sup>, B. Thyreau<sup>2</sup>, A. Lourdasamy<sup>3</sup>, D. Stacey<sup>3</sup>, A. Cattrell<sup>3</sup>, G. Barker<sup>3</sup>, C. Buechel<sup>4</sup>, P. Conrod<sup>3</sup>, H. Flor<sup>5</sup>, J. Gallinat<sup>6</sup>, H. Garavan<sup>7</sup>, A. Heinz<sup>8</sup>, M. Lathrop<sup>8</sup>, K. Mann<sup>9</sup>, J. L. Martinot<sup>9</sup>, T. Paus<sup>10</sup>, L. Poustka<sup>11</sup>, T. W. Robbins<sup>12</sup>, M. Rietschel<sup>5</sup>, M. Smolka<sup>13</sup>, J. B. Poline<sup>2</sup> and G. Schumann<sup>3</sup>, (1)Institute of Psychiatry, London, England, United Kingdom, (2)CEA, Gif sur Yvette, France, (3)Institute of Psychiatry, London, United Kingdom, (4)University Medical Centre Hamburg-Eppendorf, Hamburg, Germany, (5)Central Institute of Mental Health, Mannheim, Germany, (6)Charite - Universitaetsmedizin Berlin, Berlin, Germany, (7)Trinity College, Dublin, Ireland, (8)Centre National de Genotypage, Evry, France, (9)CEA, Orsay, France, (10)University of Toronto, Toronto, Macau, (11)Central Institute of Mental Health, Mannheim, (12)University of Cambridge, Cambridge, United Kingdom, (13)Technische Universitaet Dresden, Dresden, Germany
- 11:00 **103.003** Abnormal Brain Circuitry In ASD: Preliminary Resting State fMRI Findings from an Adolescent Sample of Low and High Functioning Individuals. N. M. Kleinhan<sup>1</sup>, G. Pauley<sup>1</sup>, N. Martin<sup>1</sup>, A. M. Estes<sup>2</sup>, D. Shaw<sup>1</sup>, A. Artu<sup>1</sup> and S. R. Dager<sup>1</sup>, (1)University of Washington, Seattle, WA, (2)Speech and Hearing Sciences, University of Washington, Seattle, WA

- 11:15 **103.004** Disambiguating Reward Circuitry Function In Autism: New Insight Into Social Cognition From a Three-Group fMRI Study. J. A. Richey<sup>1</sup>, G. S. Dichter<sup>2</sup>, A. Rittenberg<sup>1</sup>, R. Pretzel<sup>3</sup>, A. B. Ratto<sup>4</sup> and J. W. Bodfish<sup>5</sup>, (1)University of North Carolina at Chapel Hill, Chapel Hill, NC, (2)University of North Carolina, Chapel Hill, NC, (3)University of North Carolina - Chapel Hill, Chapel Hill, NC, (4)Psychology, University of North Carolina, Chapel Hill, NC, (5)University of North Carolina - Chapel Hill, Chapel Hill, NC
- 11:30 **103.005** The Neural Substrates of Probabilistic Reinforcement Learning In Adults with Autism Spectrum Disorders: Relationship to Behavioral Inflexibility. M. Solomon<sup>1</sup>, A. C. Smith<sup>2</sup>, M. J. Frank<sup>3</sup>, S. Ly<sup>4</sup> and C. S. Carter<sup>5,6</sup>, (1)Department of Psychiatry, MIND Institute, Imaging Research Center, Sacramento, CA, (2)Anesthesiology, U.C. Davis, Sacramento, CA, (3)Cognitive and Linguistic Sciences, Brown University, Providence, RI, (4)MIND Institute, Sacramento, CA, United States, (5)UC Davis Department of Psychiatry and Behavioral Sciences, Imaging Research Center, Sacramento, CA, (6)UC Davis Imaging Research Center, Sacramento, CA
- 11:45 **103.006** A Dissociation In Function: Brain Regions Hypoactive to Social Exclusion and Hyperactive to Rule Violation In Children with ASD. D. Z. Bolling<sup>1</sup>, N. B. Pittskel<sup>2</sup>, B. Deen<sup>1</sup>, M. J. Crowley<sup>3</sup>, M. D. Kaiser<sup>4</sup> and K. A. Pelphrey<sup>1</sup>, (1)Yale University Child Study Center, New Haven, CT, (2)University of Pittsburgh School of Medicine, Pittsburgh, PA, (3)Child Study Center, Yale University, New Haven, CT, (4)Child Study Center, Yale University, New Haven, CT
- 12:00 **103.007** White Matter Abnormalities Between Youth with Autism and Unaffected Siblings: A Pilot Study Using Tract-Based Spatial Statistics. R. J. Jou<sup>1</sup>, N. Mateljevic<sup>2</sup>, M. D. Kaiser<sup>3</sup>, A. C. Voos<sup>3</sup>, D. R. Sugrue<sup>3</sup>, A. Y. Nguyen-Phuc<sup>3</sup>, F. R. Volkmar<sup>3</sup> and K. A. Pelphrey<sup>3</sup>, (1)Child Study Center/Investigative Medicine Program, Yale University, New Haven, CT, (2)Diagnostic Radiology, Yale University, New Haven, CT, (3)Child Study Center, Yale University, New Haven, CT
- 12:15 **103.008** Using Information-Based Functional Brain Mapping to Detect Biomarkers of Autism In Adults. M. V. Lombardo<sup>1</sup>, N. Kriegeskorte<sup>2</sup>, I. Charest<sup>2</sup>, C. Ecker<sup>3</sup>, B. Chakrabarti<sup>1,4</sup>, E. T. Bullmore<sup>5</sup>, D. G. Murphy<sup>3</sup>, M. R. C. AIMS Consortium<sup>6</sup> and S. Baron-Cohen<sup>1</sup>, (1)Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (2)MRC Cognition and Brain Sciences Unit, Cambridge, United Kingdom, (3)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom, (4)Centre for Integrative Neuroscience and Neurodynamics, University of Reading, Reading, United Kingdom, (5)Brain Mapping Unit, University of Cambridge, Cambridge, United Kingdom, (6)University of Cambridge, King's College London, University of Oxford, Cambridge, United Kingdom

Oral Sessions

**104 - Animal Models and Cell Biology**

10:30 AM - 12:30 PM - Douglas Pavilion A

*Session Chair: R. Paylor; Baylor College of Medicine*

- 10:30 **104.001** Abnormal Behavior, Epileptic Seizures and Atypical Neuronal Circuit Functioning In Cntnap2 Knockout Mice: a New Mouse Model of Autism Spectrum Disorders. O. Penagarikano<sup>1</sup>, B. S. Abrahams<sup>2</sup>, R. T. Jones<sup>1</sup>, K. C. Winden<sup>1</sup>, A. Bragin<sup>1</sup>, I. Mody<sup>1</sup>, E. Peles<sup>3</sup> and D. H. Geschwind<sup>1</sup>, (1)University of California at Los Angeles, Los Angeles, CA, (2)Genetics & Neuroscience, Albert Einstein College of Medicine, Bronx, NY, (3>Weizmann Institute, Rehovot, Israel
- 10:45 **104.002** Social Monitoring In Rhesus Monkeys with Lesions to Either the Amygdala, Hippocampus, or Orbitofrontal Cortex. A. P. Goursaud<sup>1</sup>, J. I. Borjon<sup>2</sup>, W. Jones<sup>2</sup>, A. Klin<sup>2</sup> and J. Bachevalier<sup>1</sup>, (1)Emory Department of Psychology & Yerkes National Primate Center, Atlanta, GA, (2)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA
- 11:00 **104.003** Absence of Engrailed 2 (En2), the Autism Spectrum Disorder (ASD) Associated Gene, Alters Monoamine Transmitter Systems, Forebrain Structure and Developmental Neurogenesis and Apoptosis. M. Genestine<sup>1</sup>, L. Lin<sup>1</sup>, Y. Yan<sup>1</sup>, S. Prem<sup>1</sup>, J. H. Millonig<sup>2</sup> and E. DiCicco-Bloom<sup>1</sup>, (1)Neuroscience and Cell Biology, Robert Wood Johnson Medical School, Piscataway, NJ, (2)Center for Advance Biotechnology & Medicine, Piscataway, NJ
- 11:15 **104.004** Proteomic Analysis of the Autism Candidate Gene, Jakmp1, Suggests Its Role In Brain Translational Regulation. J. Bomar<sup>1,2</sup>, A. Oguro-Ando<sup>3</sup>, O. Penagarikano<sup>4</sup>, J. Miller<sup>3</sup>, H. Dong<sup>5</sup>, S. Pellegrini<sup>6</sup>, J. Wohlschlegel<sup>7</sup> and D. H. Geschwind<sup>8</sup>, (1)Semel Institute, The University of California, Los Angeles, Los Angeles, CA, (2)NSIDP, The University of California, Los Angeles, CA, (3)Neurology, The University of California, Los Angeles, CA, (4)Neurology, University of California, Los Angeles, CA, (5)Neurology, The University of California, Los Angeles, Los Angeles, CA, (6)Cytokine Signaling Unit, Institut Pasteur, Paris, France, (7)Biological Chemistry, The University of California, Los Angeles, CA, (8)Center for Neurobehavioral Genetics, University of California, Los Angeles, CA
- 11:30 **104.005** Maternal Intrauterine Inflammation Induces Kynurenine Pathway Activation and Leads to Decreased Cortical Serotonin In the Newborn Rabbit Brain: Implications for Maternal Infection and Autism. S. Kannan<sup>1</sup>, B. Balakrishnan<sup>1</sup>, H. Dai<sup>1</sup>, W. Lesniak<sup>2</sup>, A. Jyoti<sup>1</sup>, O. Muzik<sup>1</sup>, K. Rangaramanujam<sup>2</sup>, R. Romero<sup>3</sup> and D. C. Chugani<sup>1</sup>, (1)Pediatrics, Children's Hospital of Michigan, Wayne State University, Detroit, MI, (2)Chemical Engineering and Material Science, Wayne State University, Detroit, MI, (3)Perinatology Research Branch, NICHD, NIH, DHHS, Bethesda, MD
- 11:45 **104.006** Childhood Behavioral Correlates of Maternal Antibodies In Autism. D. Braunschweig<sup>1</sup>, I. N. Pessah<sup>2</sup> and J. Van de Water<sup>3</sup>, (1)University of California at Davis, Davis, CA, (2)University of California at Davis, M.I.N.D. Institute, Davis, CA, United States, (3)University of California, Davis, CA

12:00 **104.007** Abnormal Cell Properties and Down-Regulated FAK-Src Complex Signaling In B Lymphoblasts of Autistic Subjects. X. Li<sup>1</sup>, H. Wei<sup>1</sup>, M. Malik<sup>2</sup>, A. Sheikh<sup>1</sup>, G. Merz<sup>1</sup> and W. T. Brown<sup>3</sup>, (1)New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (2)New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (3) Human Genetics, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY

12:15 **104.008** In Utero Cytokine Exposure Influences Postnatal Development of T Helper Cells. M. Mandal<sup>1</sup>, A. Marzouk<sup>2</sup>, R. Donnelly<sup>1,2</sup> and N. M. Ponzio<sup>1,2</sup>, (1)Department of Pathology and Laboratory Medicine, UMDNJ - Graduate School of Biomedical Sciences, Newark, NJ, (2)Department of Pathology and Laboratory Medicine, UMDNJ - New Jersey Medical School, Newark, NJ

**Poster Sessions**

**105 - Interventions I: Early Intervention and Language Intervention**

8:00 AM - 1:00 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

9:00 **1** **105.001** A Comparison of Naturalistic Behavioral and Developmental, Social-Pragmatic Interventions on Language Use and Social Engagement In Children with Autism. S. Jelinek<sup>1</sup>, B. Ingersoll<sup>2</sup>, K. A. Meyer<sup>2</sup> and N. Bonter<sup>3</sup>, (1)Psychology, Michigan State University, East Lansing, MI, (2)Psychology, Michigan State University, East Lansing, MI, (3)Michigan State University, East Lansing, MI

10:00 **2** **105.002** A Comparison of Two Treatments for Teaching Language, Play, and Imitation Skills to Young Children with Autism. A. B. Cunningham<sup>1</sup>, L. Schreibman<sup>1</sup>, A. C. Stahmer<sup>1,2</sup>, K. Pierce<sup>1</sup> and E. Courchesne<sup>3</sup>, (1)University of California, San Diego, La Jolla, CA, (2)Rady Children's Hospital, San Diego, CA, (3)Neurosciences and UCSD Autism Center of Excellence, University of California, San Diego, CA

11:00 **3** **105.003** A Model of Therapy Mediated by Parents IN Pervasive Developmental Disorders. L. D'Elia<sup>1</sup>, G. Valeri<sup>2</sup>, C. Napolitano<sup>3</sup>, I. Fontana<sup>3</sup> and S. Vicari<sup>4</sup>, (1)Rome, Italy, (2)IRCCS Ospedale Bambino Gesù - Roma, Rome, Ivory Coast, (3)Ospedale pediatrico Bambino Gesù, Rome, Italy, (4)Ospedale pediatrico Bambino Gesù, Rome, Italy

9:00 **4** **105.004** A Picture's Worth a Thousand Words: Examination of Pre-Requisite Skills for the Picture Exchange Communication System. K. McFee<sup>1</sup>, J. Koudys<sup>1</sup>, J. M. Bebko<sup>1</sup> and A. Perry<sup>2</sup>, (1)York University, Toronto, ON, Canada, (2)4700 Keele Street BSB 133B, York University, Toronto, ON, Canada

10:00 **5** **105.005** Acoustic Characteristics of Maternal Speech to Young Children with Typical Development and Young Children with Autism. H. Flores<sup>1</sup>, J. A. Burack<sup>2</sup> and A. Nadig<sup>3</sup>, (1)Department of Educational & Counselling Psychology, McGill University, Montreal, QC, Canada, (2)Dept. of Educational & Counselling Psychology, McGill University, Montreal, QC, Canada, (3)School of Communication Sciences & Disorders, McGill University, Montreal, QC, Canada

11:00 **6** **105.006** Acquisition of Requests, Labels, and Answers to Questions Through Sign Exposure In An Individual with Autism. A. L. Valentino<sup>1</sup> and M. A. Shillingsburg, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA

9:00 **7** **105.007** An Innovative Preference Assessment Method and Subsequent Teaching to Expand Requesting Skills In Children with Limited Preferences. L. B. Shibley<sup>1</sup>, C. N. Bowen, N. A. Call and M. A. Shillingsburg, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA

10:00 **8** **105.008** Assessing Grammar, Vocabulary, Syntactic Complexity and Pragmatics In Children with Autism Before and After STAR and TEACCH. S. M. Romano<sup>1</sup>, F. Hurewitz<sup>2</sup> and D. S. Mandell<sup>3</sup>, (1)Drexel University, Philadelphia, PA, (2)Department of Psychology, Drexel University, Philadelphia, PA, (3)Children's Hospital of Philadelphia, Center for Autism Research, Philadelphia, PA

11:00 **9** **105.009** Characteristics and Outcomes of Community-Based Early Intervention for Three- to Five-Year Old Children with Autism. A. S. Nahmias<sup>1</sup>, S. Shin<sup>2</sup>, M. Xie<sup>3</sup> and D. S. Mandell<sup>4,5</sup>, (1)Department of Psychology, University of Pennsylvania, Philadelphia, PA, (2)District of Columbia Department of Education, Washington, D.C., (3)University of Pennsylvania, Philadelphia, PA, (4)University of Pennsylvania School of Medicine, Philadelphia, PA, (5)Children's Hospital of Philadelphia, Center for Autism Research, Philadelphia, PA

9:00 **10** **105.010** Children's Progress Across An Intensive 3-Month Unity Parent ABA Training Program. J. L. Scammell<sup>1</sup>, D. D. Barrie<sup>2</sup>, V. A. Bruce<sup>1</sup>, M. N. Gragg<sup>2</sup>, T. M. Carey<sup>1</sup> and M. Tahir<sup>1</sup>, (1)Psychology, University of Windsor, Windsor, ON, Canada, (2)University of Windsor, Windsor, ON, Canada

10:00 **11** **105.011** Choosing Treatments for Children with Autism Spectrum Disorders: The Influence of Parent and Child Factors. C. M. Brewton<sup>1</sup>, S. Mire<sup>2</sup> and R. P. Goin-Kochel<sup>3</sup>, (1)Molecular and Human Genetics, Baylor College of Medicine, Houston, TX, (2)Department of Education, University of Houston, Houston, TX, (3)Baylor College of Medicine, Houston, TX

11:00 **12** **105.012** Decreasing Echolalia In Individuals with Autism. G. R. Francis<sup>1</sup>, A. L. Valentino and M. A. Shillingsburg, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA

9:00 **13** **105.013** Effect of Negative Behaviors on the Achievement of Education Goals In Individuals with Autism Receiving Intensive Behavioral Intervention. R. A. Embacher<sup>1</sup>, T. W. Frazier<sup>2</sup>, C. Vires<sup>3</sup>, M. Vallinger<sup>1</sup>, L. Speer<sup>3</sup>, A. Sinoff<sup>1</sup>, F. Dimitriou<sup>1</sup> and A. Newman<sup>1</sup>, (1)Cleveland Clinic Center for Autism, Cleveland, OH, (2)Center for Autism and Center for Pediatric Behavioral Health, Cleveland Clinic, Cleveland, OH, (3)Center for Autism, Cleveland Clinic, Cleveland, OH

10:00 **14** **105.014** Effects of Varying the Quality of Therapist-Provided Social Interaction During Discrete Trial Instruction. C. M. Gayman<sup>1</sup> and M. A. Shillingsburg, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA

11:00 **15** **105.015** Effects of a Parent-Coaching Component of a Developmental Intervention on Gesture Production Among Toddlers with Autism. M. Fusaro<sup>1</sup> and S. J. Rogers<sup>2,3</sup>, (1)Fairfield, CA, (2)University of California, Davis, Sacramento, CA, (3)UC Davis MIND Institute, Sacramento, CA

- 9:00 **16 105.016** Efficacy of a Computer-Assisted ABA Intervention In a Study of 90 Preschool Students. C. Whalen<sup>1</sup> and L. Lara-Brady<sup>2</sup>, (1)TeachTown, Burlingame, CA, (2)Research, TeachTown, Burlingame, CA
- 10:00 **17 105.017** Efficacy of a Facial Affect Recognition Training Tool for Children with Autism Spectrum Disorders. N. M. Russo\*, B. Evans-Smith, J. Johnson and C. McKown, Pediatrics; Behavioral Sciences; Rush NeuroBehavioral Center, Rush University Medical Center, Skokie, IL
- 11:00 **18 105.018** Efficacy of the Language for Learning Curriculum with Children Diagnosed with ASD. C. N. Bowen<sup>1</sup>, R. Peterman and M. A. Shillingsburg, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA
- 9:00 **19 105.019** Efficient Strategies for Teaching Receptive Language to Students with Autism: Observational Learning and Incidental Teaching. C. H. Delfs<sup>1</sup> and M. A. Shillingsburg, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA
- 10:00 **20 105.020** Enhancing Empirically-Supported Treatments for Autism Spectrum Disorders: A Case Study Using An Interactive Robot. K. Tang<sup>1</sup>, J. J. Diehl<sup>2,3</sup>, M. Villano<sup>1</sup>, K. Wier<sup>1</sup>, B. Thomas<sup>4</sup>, N. M. Shea<sup>1</sup>, L. Schmitt<sup>5</sup>, Z. DuBois<sup>1</sup>, M. A. Millea<sup>1</sup>, K. A. Uhland<sup>1</sup> and C. R. Crowell<sup>1</sup>, (1)Psychology, University of Notre Dame, Notre Dame, IN, (2)Center for Children and Families, University of Notre Dame, Notre Dame, IN, (3)University of Notre Dame, University of Notre Dame, Notre Dame, IN, (4)St. Mary's College, Notre Dame, IN, (5)Center for Cognitive Medicine, University of Illinois at Chicago, Chicago, IL
- 11:00 **21 105.021** Evaluation of An Imitation Intervention for Low-Functioning Adolescents with Autism. K. A. Meyer<sup>1</sup>, B. Ingersoll<sup>1</sup>, D. Carlsen<sup>2</sup> and T. Hamlin<sup>2</sup>, (1)Psychology, Michigan State University, East Lansing, MI, (2)Center for Discovery, Harris, NY
- 9:00 **22 105.022** Evolutional Pattern of Children with Autism Spectrum Disorders In Speech and Language Therapy. A. C. Tamanaha<sup>1</sup>, M. T. Mercadante<sup>2</sup> and J. Perissinoto<sup>3</sup>, (1)São Paulo, (2)UNIFESP, São Paulo, Brazil, (3)Universidade Federal de Sao Paulo, São Paulo, Brazil
- 10:00 **23 105.023** Frankfurt Early Intervention Programme: Description and One-Year Therapy Effects on IQ Development. E. Duketis<sup>1</sup>, C. Wilker, J. Valerian, S. Feineis-Matthews and C. M. Freitag, Department of Child and Adolescent Psychiatry, Johann Wolfgang Goethe-University, Frankfurt, Germany
- 11:00 **24 105.024** Increasing Vocalizations In Children with Autism Through Extinction of Previously Acquired Signed Requests. E. T. James<sup>1</sup>, A. L. Valentino and M. A. Shillingsburg, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA
- 9:00 **25 105.025** Joint Attention and Social Reciprocity In Mother-Child Interactions: Efficacy of An Early Intervention Approach for ASD and 'at -Risk' Groups. A. M. Mastergeorge<sup>1</sup> and D. F. Thompson<sup>2</sup>, (1)Davis, CA, (2)Human Development, UC Davis, Davis, CA
- 10:00 **26 105.026** Modifications of PCIT for Young Children with Autism. N. A. Parks<sup>1</sup>, N. A. Call and M. A. Shillingsburg, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA
- 11:00 **27 105.027** Object Play as a Moderator of Intervention Effects on Responding to Joint Attention In Children with ASD. R. G. Lieberman<sup>1</sup>, A. S. Nahmias<sup>2</sup>, S. Celimli<sup>3</sup>, D. S. Messinger<sup>4</sup>, W. L. Stone<sup>5</sup>, A. S. Carter<sup>6</sup> and P. J. Yoder<sup>7</sup>, (1)Peabody College, Vanderbilt University, Nashville, TN, United States, (2)University of Pennsylvania, Philadelphia, PA, (3)University of Miami, Coral Gables, FL, (4)University of Miami, Coral Gables, FL, (5)University of Washington, Seattle, WA, United States, (6)University of Massachusetts Boston, Boston, MA, (7)Vanderbilt University, Nashville, TN
- 9:00 **▶ 28 105.028** Parent-Implemented Intervention In An Underserved Population. T. Carr<sup>1</sup>, K. Lopez<sup>2</sup>, A. Barriger<sup>1</sup>, L. A. Jeanpierre<sup>1</sup> and C. Lord<sup>3</sup>, (1)University of Michigan Autism and Communication Disorders Center, Ann Arbor, MI, (2)University of Michigan Autism and Communication Disorders Center, Ann Arbor, MI, (3)University of Michigan, Ann Arbor, MI
- 10:00 **29 105.029** Pointing and Anticipatory Responding to Joint Attention In Children with Autism. H. Kinugasa<sup>1</sup> and S. Sonoyama, Institute of Disability Sciences, University of Tsukuba, Ibaraki-ken, Japan
- 11:00 **30 105.030** Synchronization of Interplay In Children with Autistic Disorder and Preschool Teachers. A. J. Nordahl Hansen<sup>1,2</sup>, A. Kaale<sup>3</sup> and S. E. Ulvund<sup>4</sup>, (1)University of Oslo, Oslo, Norway, (2)Child and Adolescent Mental Health Research Unit, Oslo University Hospital, Oslo, Norway, (3)PB 26 Vinderen, Ullevaal University Hospital, Oslo, (4)Department of Educational Research, University of Oslo, Oslo, Norway
- 9:00 **31 105.031** Teacher Commitment and Burnout: Their Effects on the Fidelity of Implementation of Comprehensive Treatment Programs for Preschool Children with Autism Spectrum Disorders. D. C. Coman<sup>1</sup>, A. Gutierrez and M. Alessandri, University of Miami, Coral Gables, FL
- 10:00 **32 105.032** Teaching Children with Autism to Seek Information by Asking Questions. D. E. Conine<sup>1</sup>, C. N. Bowen, A. L. Valentino and M. A. Shillingsburg, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA
- 11:00 **33 105.033** Teaching Individuals Diagnosed with Autism to Recruit Social Interaction: Initiating Joint Attention. B. R. Lopez<sup>1</sup>, D. E. Conine, A. L. Valentino, C. H. Delfs and M. A. Shillingsburg, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA
- 9:00 **▶ 34 105.034** Teaching Reciprocal Imitation Skills. M. Jung<sup>1</sup> and T. Nagasaki, University of Tsukuba, Tsukuba, Japan
- 10:00 **35 105.035** The Effectiveness of Joint Attention Intervention In Nonverbal Preschool Children with Autism. Y. C. Chang<sup>1</sup>, K. A. Goods<sup>2</sup>, E. H. Ishijima<sup>3</sup>, K. Krueger<sup>4</sup> and C. Kasari<sup>5</sup>, (1)Education, UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA, (2)760 Westwood Plaza, NPI 78-222, UCLA, Los Angeles, CA, (3)University of California, Los Angeles, Los Angeles, CA, (4)Education, UCLA, Los Angeles, CA, (5)University of California, Los Angeles, Los Angeles, CA

- 11:00 **36 105.036** The Effects of a Parent-Mediated Joint Attention Intervention on Children's Play Skills One Year Later. K. Berry<sup>1</sup>, L. Lomtevas<sup>1</sup>, I. Cozma<sup>1</sup>, S. Menon<sup>1</sup>, M. J. Siller<sup>2</sup>, T. Hutman<sup>3</sup> and M. Sigman<sup>4</sup>, (1)Psychology Department, Hunter College, City University of New York, New York, NY, (2)Hunter College of the City University of New York, New York, NY, United States, (3)Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA, (4)University of California, Los Angeles, Los Angeles, CA
- 9:00 **37 105.037** The Importance and Effectiveness of Cross-Setting Complementary Staff and Parent Mediated Early Intensive Behavioral Intervention for Young Children with ASD. L. Fava<sup>1</sup>, K. Strauss<sup>2</sup>, G. Valeri<sup>3</sup>, L. D'Elia<sup>4</sup>, S. Arima<sup>5</sup> and S. Vicari<sup>4</sup>, (1)Autism research Center "Una breccia nel muro", Fondazione Handicap Dopodinoi-Onlus, Roma, Italy, (2)Autism research Center "Una breccia nel muro", Fondazione Handicap Dopodinoi-Onlus, Rome, Italy, (3)Neuroscience - UO NPI, IRCCS Ospedale Bambino Gesù, Roma, Italy, (4)Department of Neuroscience, Children's Hospital Bambino Gesù, Rome, Italy, (5)Department of methods and model for economy territory and finance, University of Rome "La Sapienza", Rome, Italy
- 10:00 **38 105.038** The Infant and Toddler Program: Evaluation of a Community-Based Intervention for Newly Diagnosed Infants and Toddlers with Autism. M. Stolte<sup>1</sup> and S. Hodgetts<sup>2</sup>, (1)Centre for Autism Services Alberta, Edmonton, Canada, (2)Pediatrics, University of Alberta, Edmonton, AB, Canada
- 11:00 **39 105.039** The Influence of Parental Stress, Parental Inclusion and Parental Treatment Fidelity In Cross-Setting Complementary Staff and Parent Mediated Early Intensive Behavioral Intervention for Young Children with ASD. K. Strauss<sup>1</sup>, L. Fava<sup>2</sup>, G. Valeri<sup>3</sup>, L. D'Elia<sup>4</sup>, S. Arima<sup>5</sup> and S. Vicari<sup>4</sup>, (1)Autism research Center "Una breccia nel muro", Fondazione Handicap Dopodinoi-Onlus, Rome, Italy, (2)Autism research Center "Una breccia nel muro", Fondazione Handicap Dopodinoi-Onlus, Roma, Italy, (3)Neuroscience - UO NPI, IRCCS Ospedale Bambino Gesù, Roma, Italy, (4)Department of Neuroscience, Children's Hospital Bambino Gesù, Rome, Italy, (5)Department of methods and model for economy territory and finance, University of Rome "La Sapienza", Rome, Italy
- 9:00 **40 105.040** Use of Computer Based Interventions to Teach Communication and Literacy Skills to Children with Autism Spectrum Disorders: A Systematic Review. S. Ramdoss<sup>1</sup>, A. M. Mulloy<sup>1</sup>, R. Lang<sup>2</sup> and M. F. O'Reilly<sup>1</sup>, (1)Special Education, The University of Texas at Austin, Austin, TX, (2)Texas State University, TX
- 10:00 **41 105.041** Augmentative Communication for Individuals with Autism Spectrum Disorder, Intellectual Disability and Visual Impairment: Development of the ComFor-V. I. Noens<sup>1,2,3</sup>, K. Hermans<sup>1</sup>, R. Verpoorten<sup>4</sup>, J. P. W. Maljaars<sup>5</sup> and I. A. van Berckelaer-Onnes<sup>5</sup>, (1)Parenting and Special Education Research Group, Katholieke Universiteit Leuven, Leuven, Belgium, (2)Psychiatric and Neurodevelopmental Genetics Unit, Massachusetts General Hospital, Boston, MA, (3)Leuven Autism Research, Katholieke Universiteit Leuven, Leuven, Belgium, (4)Koninklijke Kentalis, Sint-Michielsgestel, Netherlands, (5)Clinical Child and Adolescent Studies, Leiden University, Leiden, Netherlands
- 11:00 **42 105.042** Large-Scale Study of an Automated Data Collection Method of a Computer Assisted Instruction ABA Program. L. Lara-Brady<sup>1</sup>, K. MacDonald<sup>2</sup> and C. Whalen<sup>3</sup>, (1)Research, TeachTown, Burlingame, CA, (2)TeachTown, Seattle, WA, (3)TeachTown, Burlingame, CA
- 9:00 **43 105.043** Improving Reciprocal Social Conversation Through Question Asking In Children and Adolescents with Autism. R. A. Doggett<sup>1</sup>, R. L. Koegel<sup>2</sup> and L. K. Koegel<sup>3</sup>, (1)Counseling, Clinical and School Psychology, University of California, Santa Barbara, Santa Barbara, CA, (2)University of California, Santa Barbara, Santa Barbara, CA, United States, (3)Counseling, Clinical, and School Psychology, University of California, Santa Barbara, CA
- 10:00 **44 105.044** Choose Your Own Conjecture: An Analysis of Social Stories™ Text. J. Breidbord<sup>1</sup>, D. B. McAdam<sup>2</sup>, D. A. Napolitano<sup>2</sup> and C. R. Peterson<sup>3</sup>, (1)University of Cambridge, Cambridge, United Kingdom, (2)Division of Neurodevelopmental and Behavioral Pediatrics, University of Rochester Medical Center, Rochester, NY, (3)School of Education, University of Wisconsin – Stout, Menomonie, WI
- 11:00 **45 105.045** Evaluating Promising Approaches for Children with Autism: Matching Best Practice to Needs. S. M. Shore<sup>1</sup>, 1 South Ave., Adelphi University, Garden City, NY

## Poster Sessions

### 105 - Interventions II: Social Skills Interventions

8:00 AM - 1:00 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 9:00 **46 105.046** Teacher-implemented Joint Attention Intervention: Pilot Randomized Controlled Study for Preschoolers with Autism. K. Lawton<sup>1</sup> and C. Kasari<sup>2</sup>, (1)University of California, Los Angeles, Los Angeles, (2)University of California, Los Angeles, Los Angeles, CA
- 10:00 **47 105.047** A Family Focused Group Cognitive Behavior Therapy for Adolescents with High-Functioning Autism Spectrum Disorders and Anxiety: A Pilot Study. J. Reaven<sup>1</sup>, A. Blakeley-Smith<sup>2</sup>, E. Leuthe<sup>3</sup> and S. Hepburn<sup>4</sup>, (1)Univ. of Colorado Denver-JFK Partners, Aurora, CO, (2)Univ. of Colo. Denver-JFK Partners, (3)JFK Partners – University of Colorado Denver, Aurora, CO, United States, (4)University of Colorado Denver, Anschutz Medical Campus, Aurora, CO
- 11:00 **48 105.048** CBT for Anxiety Disorders In Children with An Autism Spectrum Disorder. F. J. van Steensel<sup>1</sup> and S. M. Bögels, University of Amsterdam, Amsterdam, Netherlands
- 9:00 **49 105.049** Can CBT Improve Core Deficits Among Adolescents and Young Adults with Anxiety Disorders and ASD?. A. M. Rowley<sup>1</sup>, G. R. Simpson<sup>2</sup>, E. A. Laugeson<sup>3</sup>, J. J. Wood<sup>4</sup> and J. Ehrenreich-May<sup>5</sup>, (1)Coral Gables, FL, (2)University of Miami, Coral Gables, FL, (3)Psychiatry, UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA, (4)University of California, Los Angeles, CA, (5)Psychology, University of Miami, Coral Gables, FL
- 10:00 **50 105.050** Cognitive Behavior Therapy for Irritability In High-Functioning ASD: Pilot Study of Neurobiological Mechanisms. D. G. Sukhodolsky<sup>1</sup>, D. Z. Bolling<sup>2</sup>, J. Wu<sup>3</sup>, M. J. Crowley<sup>3</sup>, J. McPartland<sup>3</sup>, L. Scahill<sup>4</sup> and K. A. Pelphrey<sup>2</sup>, (1)New Haven, CT, (2)Child Study Center, Yale University, New Haven, CT, (3)Yale Child Study Center, New Haven, CT, (4)Yale University School of Medicine, New Haven, CT

- 11:00 **51 105.051** Cognitive Behaviour Drama: A New Intervention Model Designed to Improve Social Functioning In Children with Asperger Syndrome. H. Karnezi<sup>1</sup> and K. Tierney, Psychology, Trinity College Dublin, Dublin, Ireland
- 9:00 **52 105.052** Cognitive Behaviour Drama: A Novel Intervention Model Designed to Address Fears In Children with Asperger Syndrome. K. Tierney<sup>1</sup> and H. Karnezi<sup>2</sup>, (1)Psychology, Trinity College Dublin, Dublin, Ireland, (2)Trinity College Dublin, Dublin, Ireland
- 10:00 **53 105.053** Cognitive Orientation for Daily Occupational Performance (CO-OP) with Children with Asperger Syndrome: Enabling Achievement of Social and Organisational Goals. S. Rodger<sup>1</sup>, Therapies Building 84A, Therapies Road, Brisbane, Australia
- 11:00 **54 105.054** Delivering Psychosocial Interventions Through Videoconferencing: Pilot Efforts to Reach Rural Families. S. Hepburn<sup>1</sup>, J. Reaven<sup>2</sup>, A. Blakeley-Smith<sup>3</sup>, B. Wolff<sup>4</sup> and K. Kaiser<sup>5</sup>, (1)University of Colorado / JFK Partners, Aurora, CO, (2)Univ. of Colorado Denver-JFK Partners, Aurora, CO, (3)Univ. of Colo. Denver-JFK Partners, (4)University of Colorado Denver School of Medicine, Aurora, CO, (5)Psychiatry, JFK Partners/University of Colorado, Aurora, CO
- 9:00 **55 105.055** Dr. Ailsa J. Russell. A. J. Russell<sup>1</sup>, A. Jassi<sup>2</sup>, M. Fullana<sup>3</sup>, D. G. Murphy<sup>4</sup>, H. Mack<sup>5</sup>, K. Johnston<sup>6</sup> and D. Mataix-Cols<sup>7</sup>, (1)Psychology, Kings College London, Institute of Psychiatry, London, United Kingdom, (2)National Specialist OCD Clinic, South London and Maudsley NHS Foundation Trust, London, United Kingdom, (3)Psychobiology of Anxiety and Obsessive Compulsive Disorders Group, Kings College London, Institute of Psychiatry, London, United Kingdom, (4)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom, (5)Child & Family Unit, Starship Hospital, Auckland, New Zealand, (6)Psychology/Forensic and neurodevelopmental Sciences, Kings College London, Institute of Psychiatry, London, United Kingdom, (7)Psychobiology of Anxiety and Obsessive Compulsive Disorders Group, Kings College London, Institute of Psychiatry, London, United Kingdom
- 10:00 **56 105.056** Effects of Group Therapy on Anxiety for Adults with Autism Spectrum Disorders. Y. Kawakubo<sup>1</sup>, H. Kuwabara<sup>2</sup>, A. Todokoro<sup>2</sup>, H. Yamasue<sup>3</sup>, Y. Kano<sup>2</sup> and K. Kasai<sup>3</sup>, (1)Department of Child Psychiatry, University of Tokyo, Tokyo, Japan, (2)Department of Childpsychiatry, University of Tokyo, Tokyo, Japan, (3)Department of Neuropsychiatry, University of Tokyo, Tokyo, Japan
- 11:00 **57 105.057** Effects of the Observed Consequence on Skill Acquisition Following Video Modeling for Individuals with Autism. J. B. Plavnick<sup>1</sup>, FPG Child Development Institute, University of North Carolina, Chapel Hill, NC
- 9:00 **58 105.058** Efficacy of a Facial Expression Recognition Training Software for Taiwanese School-Aged Children with Asperger's Disorder. C. C. Chao<sup>1</sup>, L. Y. Wang<sup>2</sup>, Y. Y. Wu<sup>3</sup>, S. R. Lee<sup>3</sup>, M. Y. Hsu<sup>3</sup>, Y. C. Tu<sup>4</sup> and S. Y. Wu<sup>1</sup>, (1)Psychology and Counseling, Taipei Municipal University of Education, Taipei, Taiwan, (2)Graduate Institute of Clinical Behavioral Science, Chang Gung University, Kweisan, Taiwan, (3)Child Psychiatry, Chang Gung Memorial Hospital, Linkou, Taiwan, (4)Education, Taipei Municipal University of Education, Taipei, Taiwan
- 10:00 **59 105.059** Evaluating the Components of a Social Stories Intervention Package for Children with Autism. J. Vogel<sup>1</sup>, K. Imlay, A. Finch and D. Berry Malmberg, California State University Northridge, Northridge, CA
- 11:00 **60 105.060** Evaluating the Effectiveness of a Behavioral Summer Treatment Program for Children with High Functioning Autism Spectrum Disorders. E. H. Sheridan<sup>1</sup>, S. Mrug<sup>1</sup>, J. B. Hodgens<sup>1</sup>, C. S. Patterson<sup>1</sup> and K. J. Bailey<sup>2</sup>, (1)University of Alabama at Birmingham, Birmingham, AL, (2)Glenwood Autism and Behavioral Health Center, Inc., Birmingham, AL
- 9:00 **61 105.061** Evaluation of the "Dependence Trap" Intervention Protocol for Parents of Young Adults with High Functioning Autism Spectrum Disorders. H. Shilo<sup>1</sup>, O. Golan<sup>1</sup> and H. Omer<sup>2</sup>, (1)Department of Psychology, Bar-Ilan University, Ramat-Gan, Israel, (2)Department of Psychology, Tel-Aviv University, Tel-Aviv, Israel
- 10:00 **62 105.062** Examining the Impact of Cognitive Behavioral Group Therapy on Quality of Life In Adolescents with High Functioning Autism Spectrum Disorders. A. Blakeley-Smith<sup>1</sup>, S. Hepburn<sup>2</sup> and J. Reaven<sup>3</sup>, (1)University of Colorado Denver-JFK Partners, Aurora, CO, (2)University of Colorado / JFK Partners, Aurora, CO, (3)University of Colorado Denver-JFK Partners, Aurora, CO
- 11:00 **63 105.063** Examining the Use of Turn Taking In Pivotal Response Training: Adaptations for Classroom Environments. S. Reed<sup>1,2</sup>, J. Suhrheinrich<sup>1,2</sup>, A. C. Stahmer<sup>1,2</sup>, L. Schreibman<sup>2</sup>, J. Wilson<sup>2</sup> and B. Ross<sup>2</sup>, (1)Rady Children's Hospital, San Diego, San Diego, CA, (2)University of California, San Diego, La Jolla, CA
- 9:00 **64 105.064** Executive Functions as Outcome Measure In Adults with Pervasive Developmental Disorders: An Italian Experience with BRIEF-A After 1 Year of Farm-Community Intervention. G. La Malfa<sup>1</sup>, C. Del Furia<sup>2</sup>, M. Venturi<sup>3</sup>, M. Innocenti<sup>3</sup> and A. Narzisi<sup>4</sup>, (1)University of Florence, Florence, Italy, (2)C.T.E. Firenze, Florence, Italy, (3)AGRABAH Parent Association for Parents, (Santomato) Pistoia, Italy, (4)Division of Child Neurology and Psychiatry, University of Pisa - Stella Maris Scientific Institute, Pisa, Italy
- 10:00 **65 105.065** Helping Students Self Regulate: The Effect of A Relaxation Program on Autonomic Function and Behavior In Children with ASD In the Classroom. E. London<sup>1</sup>, J. Foster<sup>2</sup> and T. Hamlin<sup>3</sup>, (1)Psychology, NYS Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (2)Psychology, Institute For Basic Research, Staten Island, NY, (3)Center for Discovery, Harris, NY
- 11:00 **66 105.066** Improved Reading and Math Skills Using a Computer-Based Early Learning Program. J. Palilla<sup>1</sup>, M. South<sup>2,3</sup>, T. Newton<sup>2</sup>, K. Brown<sup>4</sup>, E. Johnson<sup>5</sup> and H. Shamir<sup>6</sup>, (1)Clinical Psychology, Brigham Young University, Provo, UT, (2)Neuroscience, Brigham Young University, Provo, UT, (3)Psychology, Brigham Young University, Provo, UT, (4)College of Nursing, University of Utah, Salt Lake City, UT, (5)Waterford Institute, Salt Lake City, UT, (6)Waterford Institute, Salt Lake City, UT
- 9:00 **67 105.067** Improvements in Executive Function Associated with Participation in Social Skills Intervention. K. E. Bodner<sup>1</sup>, J. P. Stichter<sup>2</sup>, K. V. O'Connor<sup>3</sup>, A. Moffitt<sup>4</sup>, M. Herzog<sup>3</sup> and S. E. Christ<sup>2</sup>, (1)University of Missouri, Columbia, (2)University of Missouri, Columbia, MO, United States, (3)University of Missouri, Columbia, MO, (4)University of Missouri, Columbia, MO

- 10:00 **68 105.068** Increasing Social Interactions Between High School Students with Intellectual Disabilities and Autism and General Education Peers. N. Brigham<sup>1</sup>, C. Hughes<sup>2</sup>, M. Golas<sup>2</sup> and J. C. Cosgriff<sup>2</sup>, (1)Pediatrics, Vanderbilt University Medical Center, Nashville, TN, (2)Special Education, Vanderbilt University, Nashville, TN
- 11:00 **69 105.069** Intrapersonal and Interpersonal Synchrony In Typically Developing Children and Children with Autism Spectrum Disorders (ASDs)/ADHD Between 4-10 Years of Age. K. Palatinus<sup>1</sup>, P. Menacherry<sup>2</sup>, T. Gifford<sup>1</sup>, K. Marsh<sup>1</sup> and A. Bhat<sup>2</sup>, (1)Psychology, University of Connecticut, Storrs, CT, (2)Kinesiology, University of Connecticut, Storrs, CT
- 9:00 **70 105.070** Marquette University PEERS Pilot: A Replication and Extension of An Empirically Validated Treatment for Adolescents with Autism Spectrum Disorders. J. S. Karst<sup>1</sup>, A. Meyer<sup>1</sup>, K. Schohl<sup>1</sup>, B. Dolan<sup>1</sup>, E. Beste<sup>1</sup>, M. Houge<sup>1</sup>, E. A. Laugeson<sup>2</sup> and A. V. Van Hecke<sup>1</sup>, (1)Marquette University, Milwaukee, WI, (2)Psychiatry, UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA
- 10:00 **71 105.071** Measuring the Efficacy of Social Skills Interventions for Children with Autism. E. Rotheram-Fuller<sup>1</sup>, D. Seiple<sup>1</sup>, M. Kim<sup>1</sup> and J. J. Locke<sup>2</sup>, (1)Temple University, Philadelphia, PA, (2)Center for Mental Health Policy and Services Research, University of Pennsylvania, Philadelphia, PA
- 11:00 **72 105.072** Mindfulness-Based Stress Reduction In Adults with ASD. A. A. Spek<sup>1</sup> and N. C. van Ham<sup>2</sup>, (1)Mental Health Institution Eindhoven, Eindhoven, Netherlands, (2)GGZ Eindhoven , Eindhoven, Netherlands
- 9:00 **73 105.073** Program for the Education and Enrichment of Relational Skills (PEERS): Effectiveness In a Community-Based Mental Health Setting. B. Harrison<sup>1</sup>, M. W. Demarse<sup>2</sup>, R. Worden<sup>2</sup>, L. Alpert-Gillis<sup>2</sup>, E. Smith<sup>1</sup> and E. S. Kuschner<sup>3</sup>, (1)Clinical & Social Sciences in Psychology, University of Rochester, Rochester, NY, (2)Strong Behavioral Health Child and Adolescent Outpatient Psychiatry, University of Rochester Medical Center, Rochester, NY, (3)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD
- 10:00 **74 105.074** The Effects of Robot-Child Interactions on Imitation and Praxis Performance of Typically Developing (TD) Children and Children with Autism Spectrum Disorders (ASDs) Between 4-10 Years of Age. S. Srinivasan<sup>1</sup>, K. Lynch<sup>1</sup>, T. Gifford<sup>2</sup>, D. Bubela<sup>1</sup> and A. Bhat<sup>1</sup>, (1)Kinesiology, University of Connecticut, Storrs, CT, (2)Psychology, University of Connecticut, Storrs, CT
- 11:00 **75 105.075** The Effects of Robot-Child Interactions on Patterns of Joint Attention and Verbalization of Typically Developing (TD) Children and Children with ASDs/ADHD Between 4-10 Years of Age. A. Bhat<sup>1</sup>, C. Susca<sup>1</sup>, M. Lally<sup>1</sup> and K. Marsh<sup>2</sup>, (1)Kinesiology, University of Connecticut, Storrs, CT, (2)Psychology, University of Connecticut, Storrs, CT
- 9:00 **76 105.076** The Effects of the Pace of Instruction During Structured Teaching with Children Diagnosed with Autism. M. D. Adams<sup>1</sup>, C. N. Bowen, A. L. Valentino and M. A. Shillingsburg, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA
- 10:00 **77 105.077** The Feasibility and Preliminary Effectiveness of a School-Based, Blended Developmental and Behavioral Parenting Intervention for Children with ASD. B. Ingersoll<sup>1</sup>, Psychology, Michigan State University, East Lansing, MI
- 11:00 **78 105.078** Unstuck and On Target: An Executive Functioning Intervention for Children with High-Functioning Autism Spectrum Disorders. L. G. Anthony<sup>1</sup>, L. Cannon<sup>2</sup>, K. Alexander<sup>2</sup>, M. A. Werner<sup>2</sup>, M. C. Wills<sup>3</sup>, J. L. Sokoloff<sup>3</sup>, C. Sharber<sup>3</sup>, J. Wintrol<sup>2</sup> and L. Kenworthy<sup>3</sup>, (1)Center for Autism Spectrum Disorders, Division of Neuropsychology, Children's National Medical Center, Rockville, MD, (2)Ivymount School, Rockville, MD, (3)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD
- 9:00 **79 105.079** Using Group Function-Based Cognitive Behavioural Therapy for Children with High Functioning Autism and Obsessive-Compulsive Behaviours. N. Neil<sup>1</sup>, L. Lam<sup>1</sup>, H. Yates<sup>1</sup>, M. Fleishman<sup>1</sup>, T. Vause<sup>2</sup> and M. Feldman<sup>1</sup>, (1)Brock University, St. Catharines, ON, Canada, (2)Brock University, St. Catharines , ON, Canada
- 10:00 **80 105.080** Cognitive-Behavioral Group Therapy for Children with Autism Spectrum Disorders and Anxiety: The Moderating Influence of Negative Cognitions. E. Leuthe<sup>1</sup>, A. Blakeley-Smith<sup>2</sup>, B. Wolff<sup>3</sup>, S. Hepburn<sup>4</sup> and J. Reaven<sup>5</sup>, (1)CDU, University of Colorado Denver School of Medicine - The Children's Hospital Denver, Aurora, CO, (2)University of Colorado Denver-JFK Partners, (3)University of Colorado Denver School of Medicine, Aurora, CO, (4)University of Colorado Denver, Anschutz Medical Campus, Aurora, CO, (5)University of Colorado Denver-JFK Partners, Aurora, CO
- 11:00 **81 105.081** Cognitive Behavioral Therapy for Anxiety for a Child with Autism Spectrum Disorder and Intellectual Impairment: A Case Study. M. E. Ames<sup>1</sup> and J. A. Weiss, York University, Toronto, ON, Canada
- 9:00 **82 105.082** Long Term Outcomes of a Parent-Assisted Social Skills Intervention for Adolescents with Autism: The UCLA PEERS Program. J. Mandelberg<sup>1</sup>, E. A. Laugeson, F. Frankel, A. Gantman and S. Bates, UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA
- 10:00 **83 105.083** Pilot Study of Emotion-Focused Social Skills Interventions for Children with ASDs. S. Teitelbaum<sup>1</sup>, H. Crain<sup>2</sup>, R. Schmitt<sup>2</sup>, L. V. Soorya<sup>2</sup> and A. T. Wang<sup>2</sup>, (1)New York, NY, (2)Psychiatry, Mount Sinai School of Medicine, New York, NY
- 11:00 **84 105.084** Social Preference In Children with ASD: Exploring the Gray Area. M. C. Dean<sup>1</sup>, S. Mahjour<sup>1</sup> and C. Kasari<sup>2</sup>, (1)University of California, Los Angeles, Los Angeles, CA, (2)University of California, Los Angeles, CA
- 9:00 **85 105.085** Generalization of Social Skills Following a Computer Based Intervention for Elementary School Aged Children. L. M. Rice<sup>1</sup>, Special Education, Moorpark Unified School District, Simi Valley, CA
- 10:00 **86 105.086** Get Fresh: Evaluation of A Healthy Lifestyles Group for Teens with ASDs and Their Parents. S. Nichols<sup>1</sup>, S. Pulver Tetenbaum<sup>2</sup>, L. Adamek<sup>3</sup>, L. Perlis<sup>4</sup>, E. M. Mansdorf<sup>5</sup> and G. Reilly<sup>6</sup>, (1)Fay J. Lindner Center for Autism, Huntington, NY, (2)ASPIRE Center for Learning and Development, Melville, NY, (3)UC San Diego, San Diego, CA, (4)Fay J. Lindner Center for Autism and Developmental Disabilities, Brookville, NY, (5)Department of Psychology, Hofstra University, Hempstead, NY, (6)Stony Brook University Medical Center Department of Social Work, Stony Brook University, Stony Brook, NY



Poster Sessions

**105 - Interventions III: Outcomes, Associated Factors, and Other Behavioral and Medical Treatments**

8:00 AM - 1:00 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 11:00 **87 105.087** Designing for Themselves: Investigating the Capability of Children with ASD to Become Effective Design Partners. L. Benton<sup>1</sup>, Bath University, Bath, United Kingdom
- 10:00 **88 105.088** Relationships Between Stereotyped Movements and Sensory Processing Disorders In Children with HFASD Versus Children with ASD and Intellectual Disability. E. Gal<sup>1</sup>, Mount Carmel, University of Haifa, Haifa, Israel
- 11:00 **89 105.089** A Synthesis Review of Interventional Outcomes In Autism Spectrum Disorder. D. B. Nicholas<sup>1</sup>, L. Zwaigenbaum<sup>2</sup>, M. Clarke<sup>3</sup>, W. Roberts<sup>4</sup>, J. Magill Evans<sup>2</sup>, M. Saini<sup>4</sup>, L. Lach<sup>5</sup>, R. MacCulloch<sup>5</sup>, D. Barrett<sup>6</sup> and M. Spoelstra<sup>7</sup>, (1)University of Calgary, Edmonton, AB, Canada, (2)University of Alberta, Edmonton, AB, Canada, (3)University of Calgary, Calgary, AB, Canada, (4)University of Toronto, Toronto, ON, Canada, (5)McGill University, Montreal, QC, Canada, (6)Autism Society of Edmonton Area, Edmonton, AB, Canada, (7)Autism Ontario, Toronto, ON, Canada
- 9:00 **90 105.090** An Occupational Therapy Intervention for Sensory Differences In Children with Autism. R. C. Schaaf<sup>1</sup>, T. Benevides<sup>2</sup>, D. Kelly<sup>3</sup>, Z. Mailloux<sup>4</sup>, J. Hunt<sup>5</sup>, P. Faller<sup>5</sup>, E. VanHooydonk<sup>3</sup>, C. Neuwirth<sup>3</sup> and R. Freeman<sup>3</sup>, (1)Occupational Therapy, Thomas Jefferson University, Philadelphia, PA, (2)Thomas Jefferson University, Philadelphia, PA, United States, (3)Children's Specialized Hospital, New Brunswick, NJ, (4)Pediatric Therapy Network, Torrance, CA, United States, (5)Occupational Therapy, Children's Specialized Hospital, New Brunswick, NJ
- 10:00 **91 105.091** Assessment and Treatment of Elopement Utilizing a Trial-by-Trial Format. K. B. Crow<sup>1</sup>, N. A. Parks, A. J. Findley and N. A. Call, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA
- 11:00 **92 105.092** Characterizing Parent-Child Interaction In Young Children with ASD. L. Elder<sup>1</sup>, A. M. Estes<sup>2</sup>, S. J. Rogers<sup>3,4</sup> and S. E. Zebrowski<sup>1</sup>, (1)University of Washington, Seattle, WA, (2)Speech and Hearing Sciences, University of Washington, Seattle, WA, (3)University of California, Davis, Sacramento, CA, (4)UC Davis MIND Institute, Sacramento, CA
- 9:00 **93 105.093** Chelation Therapy In the Treatment of Autism Spectrum Disorders: A Systematic Review. A. M. Mulloy<sup>1</sup>, S. Ramdoss and M. F. O'Reilly, Special Education, The University of Texas at Austin, Austin, TX
- 10:00 **94 105.094** Coloured Filters Enhance the Visual Perception of Social Cues In Children with Autism. A. K. Ludlow<sup>1</sup>, E. Taylor-Whiffen<sup>1</sup> and A. J. Wilkins<sup>2</sup>, (1)Psychology, Anglia Ruskin University, Cambridge, United Kingdom, (2)Psychology, University of Essex, Colchester, United Kingdom
- 11:00 **95 105.095** Combination of Repetitive Transcranial Magnetic Stimulation and Neurofeedback for Treatment of Autism: A Case Study. L. L. Sears<sup>1</sup>, E. M. Sokhadze<sup>2</sup>, J. M. Baruth<sup>3</sup> and M. F. Casanova<sup>2</sup>, (1)Pediatrics, University of Louisville, Louisville, KY, (2)Psychiatry & Behavioral Sciences, University of Louisville, Louisville, KY, (3)Anatomical Sciences & Neurobiology, University of Louisville, Louisville, KY
- 9:00 **96 105.096** Correspondence of Single Versus Daily Preference Assessment Outcomes and Reinforcer Efficacy Under Increasing Schedule Requirements. J. M. Hodnett<sup>1</sup>, N. M. Trosclair-Lasserre<sup>2</sup>, A. J. Findley<sup>1</sup>, M. A. Shillingsburg<sup>1</sup> and N. A. Call<sup>1</sup>, (1)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA, (2)GNO Resource Center on Developmental Disabilities, New Orleans, LA
- 10:00 **97 105.097** Developing Best Practice Procedures to Increase Success Rates for Functional and Structural MRI Scans In Individuals with Autism Spectrum Disorder. K. Robbins-Monteith<sup>1</sup> and E. Hanson<sup>2</sup>, (1)Boston, MA, (2)Children's Hospital Boston, Boston, MA
- 11:00 **98 105.098** Development and Reliability of the Autism Work Skills Questionnaire (AWSQ) for People with HFASD. E. Gal<sup>1</sup>, A. Ben Meir<sup>2</sup> and N. Katz<sup>2</sup>, (1)Mount Carmel, University of Haifa, Haifa, Israel, (2)Ono Accademic college, Tel Aviv, Israel
- 9:00 **99 105.099** Development of a Fidelity of Implementation Tool for a School-Based Intervention. J. Kinard<sup>1</sup>, K. P. Wilson, L. R. Watson, B. Boyd, S. Horvath and J. Grisnik, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 10:00 **100 105.100** Differential Learning of a Blended Intervention Approach Among Therapists of Varied Backgrounds. E. L. Lee<sup>1</sup>, A. C. Stahmer<sup>2</sup>, S. Reed<sup>3</sup>, K. L. Searcy<sup>4</sup> and L. I. Brookman-Frazee<sup>3</sup>, (1)Rady Children's Hospital, San Diego, CA, (2)Rady Children's Hospital, San Diego, San Diego, CA, (3)University of California, San Diego, La Jolla, CA, (4)CRIMSON Center, San Diego, CA
- 11:00 **101 105.101** Differential Reinforcement with and without Blocking as Treatments for Elopement. D. T. Zavatkay<sup>1</sup>, R. S. Pabico<sup>2</sup>, A. J. Findley<sup>1</sup>, A. L. Valentino<sup>1</sup> and N. A. Call<sup>1</sup>, (1)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA, (2)Shabani Institute, Los Angeles, CA
- 9:00 **102 105.102** Discounting of Delayed Outcomes of Treatments for Problem Behavior or Language Development by Parents of Children with Autism. R. S. Lesack<sup>1</sup>, A. J. Findley and N. A. Call, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA
- 10:00 **103 105.103** Evaluation of An Outpatient Parent-Lead Toilet Training Program for Children with Autism Spectrum Disorders. S. E. Crossett<sup>1</sup> and N. A. Call, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA
- 11:00 **104 105.104** Examining Curriculum-Based Assessment as a Measure of Early Intervention Outcome. L. Schreibman<sup>1</sup>, A. C. Stahmer<sup>1,2</sup>, E. Worcester<sup>3</sup>, R. Gutierrez<sup>4</sup>, K. Pierce<sup>1</sup> and E. Courchesne<sup>5</sup>, (1)University of California, San Diego, La Jolla, CA, (2)Rady Children's Hospital, San Diego, San Diego, CA, (3)Psychology, UC San Diego, La Jolla, CA, (4)University of California, San Diego, La Jolla, CA, United States, (5)Neurosciences and UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA

- 9:00 **105 105.105** Examining the Use of a Visual Schedule/Reinforcement System for Routine Medical Exams with Children on the Autism Spectrum: Pilot Study. J. A. Agnew<sup>1</sup>, R. L. Gabriels<sup>1</sup>, J. S. Runde<sup>2</sup>, J. Gralla<sup>3</sup>, Z. Pan<sup>3</sup>, E. Goldson<sup>3</sup> and M. Z. Wamboldt<sup>1</sup>, (1)The Children's Hospital / The University of Colorado at Denver and Health Sciences Center, Aurora, CO, (2)School of Professional Psychology, University of Denver, Denver, CO, (3)The Children's Hospital / The Children's Hospital / The University of Colorado at Denver and Health Sciences Center, Aurora, CO
- 10:00 **106 105.106** Factors Associated with Psychotropic Medication Use In Autism Spectrum Disorders (ASD). D. L. Coury<sup>1</sup>, E. Anagnostou<sup>2</sup>, S. L. Hyman<sup>3</sup>, T. Clemons<sup>4</sup> and C. Lajonchere<sup>5</sup>, (1)Nationwide Children's Hospital, Columbus, OH, (2)Bloorview Research Institute, University of Toronto, Toronto, ON, Canada, (3)Department of Neurodevelopmental and Behavioral Pediatrics, University of Rochester School of Medicine, Rochester, NY, (4)EMMES Corp, Rockville, MD, (5)Autism Speaks, Los Angeles, CA
- 11:00 **107 105.107** Food Dyes, Behavior, and Autism: Does What Children Eat Color Behavior?. S. L. Hyman<sup>1</sup>, C. Hannum<sup>2</sup>, B. L. Schmidt<sup>3</sup>, J. Foley<sup>4</sup> and P. A. Stewart<sup>3</sup>, (1)University of Rochester School of Medicine, Rochester, NY, (2)Medicine, SUNY Upstate Medical University, Syracuse, NY, (3)University of Rochester, Rochester, NY, (4)Pediatrics, University of Rochester, Rochester, NY
- 9:00 **108 105.108** Frequency of and Treatment Approach Used for Problem Behaviour and Mental Health Issues In Children with Severe DD with or without ASD. E. K. Cooper<sup>1</sup>, A. Perry<sup>1</sup>, J. A. Weiss<sup>1</sup> and R. Condillac<sup>2</sup>, (1)Department of Psychology, York University, Toronto, ON, Canada, (2)Department of Applied Disability Studies, Brock University, St. Catherine's, ON, Canada
- 10:00 **109 105.109** Identifying Therapeutic Mechanisms with Intervention Studies. T. Charman<sup>1</sup>, A. Pickles<sup>2</sup>, J. Green<sup>3</sup>, H. McConachie<sup>4</sup>, C. R. Aldred<sup>5</sup> and .. The PACT Consortium<sup>3</sup>, (1)Institute of Education, London, United Kingdom, (2)Institute of Psychiatry, King's College London, London, United Kingdom, (3)University of Manchester, Manchester, United Kingdom, (4)University of Newcastle, Newcastle, United Kingdom, (5)University Place, Oxford Road, University of Manchester, Manchester
- 11:00 **110 105.110** Medication Use In Students with Autism Spectrum Disorders Attending a Nonpublic Special Education Program: Implications for Classroom Behavior. R. Church<sup>1</sup>, D. Stone<sup>1</sup>, P. A. Law<sup>2</sup> and S. Steppa<sup>1</sup>, (1)Special Education, Kennedy Krieger Institute, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD
- 9:00 **111 105.111** Nutrient Intake and Supplement Use In Children with Autism Spectrum Disorders: Do Multivitamins Provide the Nutrients Consumed In Low Amounts?. P. A. Stewart<sup>1</sup>, B. L. Schmidt<sup>2</sup>, N. Lemcke<sup>2</sup>, N. Wixom<sup>3</sup>, T. Clemons<sup>4</sup>, R. Peck<sup>5</sup>, J. Foley<sup>6</sup> and S. L. Hyman<sup>7</sup>, (1)General Clinical Research Center, University of Rochester, Rochester, NY, (2)University of Rochester, Rochester, NY, (3)Clinical Research Center CTSI, University of Rochester, Rochester, NY, (4)EMMES Corp, Rockville, MD, (5)Rochester, NY, United States, (6)Pediatrics, University of Rochester, Rochester, NY, (7)University of Rochester School of Medicine, Rochester, NY
- 10:00 **112 105.112** Positive Behavior Supports for 3 ASD Individuals with Problem Behaviors Using Un-Prompted Differential Reinforcement Strategy. A. R. Amraotkar<sup>1</sup> and M. Boman<sup>2</sup>, (1)Kelly Autism Program, Western Kentucky University, Bowling Green, KY, (2)Kelly Autism Program at Western Kentucky University, Bowling Green, KY
- 11:00 **113 105.113** Problem Behaviour Associated with Behavioural Inflexibility. N. D. Ollington<sup>1</sup>, Hobart, TS, Australia
- 9:00 **114 105.114** Restricted and Repetitive Behaviors and Interests as Reinforcement. J. Hine<sup>1</sup>, B. Barger<sup>2</sup> and J. Campbell<sup>3</sup>, (1)Athens, GA, (2)The University of Georgia, Athen, GA, (3)University of Georgia, University of Georgia, Athens, GA
- 10:00 **115 105.115** Side Effect Monitoring of Children with ASD Prescribed Second Generation Antipsychotics (SGAs). L. Cole<sup>1</sup>, R. Panzer<sup>2</sup>, D. Treadwell-Deering<sup>3</sup>, R. McCoy<sup>4</sup>, A. M. Reynolds<sup>5</sup>, E. Anagnostou<sup>6</sup>, D. Johnson<sup>7</sup>, R. A. Vasa<sup>8</sup> and D. L. Coury<sup>9</sup>, (1)Box 671, University of Rochester, Rochester, NY, (2)Autism Treatment Network, Boston, MA, (3)Texas Children's Hospital, Baylor College of Medicine, Houston, TX, United States, (4)OHSU, Portland, OR, (5)University of Colorado Denver, Aurora, CO, (6)Bloorview Research Institute, University of Toronto, Toronto, ON, Canada, (7)EMMES, Bethesda, MD, (8)Kennedy Krieger Institute, Baltimore, MD, United States, (9)Nationwide Children's Hospital, Columbus, OH
- 11:00 **116 105.116** Single Case Design and Growth Curve Analysis of An Intervention to Promote Joint Attention for Toddlers with ASD. S. Odom<sup>1</sup>, H. Schertz<sup>2</sup> and K. Baggett<sup>3</sup>, (1)University of North Carolina, Chapel Hill, NC, (2)Indiana University, Bloomington, IN, United States, (3)University of Kansas, Kansas City, KS
- 9:00 **117 105.117** The Effect of Brief Workshop of Pivotal Response Teaching on Therapists Skills for Children with Autism Spectrum Disorder. A. Kondo<sup>1</sup> and J. Yamamoto, Department of Psychology, Keio University, Tokyo, Japan
- 10:00 **118 105.118** The Parent Treatment Preference Questionnaire (PTPQ): Evaluation of a New Tool to Assess Attitudes to Interventions. S. N. Grondhuis<sup>1</sup>, C. A. Farmer<sup>2</sup>, M. G. Aman<sup>3</sup> and E. Butter<sup>4</sup>, (1)Psychology, The Ohio State University, Columbus, OH, (2)Nisonger Center, (3)Ohio State University, Columbus, OH, United States, (4)Nationwide Children's Hospital, Columbus, OH
- 11:00 **119 105.119** The Prevalence of Preference Displacement of Leisure Items by Edible Stimuli In Children with Autism. S. B. Clark<sup>1</sup>, N. A. Parks and N. A. Call, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA
- 9:00 **120 105.120** Treatment of Rigidity and Compulsion In a Child with Autism: A Case Study In An Intensive Treatment Center. N. M. Powell<sup>1</sup> and M. A. Shillingsburg, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA
- 10:00 **121 105.121** Unmet Need for Autism Treatment: Variation by State Prior to Autism Insurance Reform. L. A. Bilaver<sup>1</sup>, Chicago, IL
- 11:00 **122 105.122** Use of a Token Economy to Treat Vocal Stereotypy In a Boy with Autism. M. A. Shillingsburg<sup>1</sup>, J. E. Lomas<sup>2</sup> and D. W. Bradley<sup>1</sup>, (1)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA, (2)Louisiana State University, Baton Rouge, GA

- 9:00 **123 105.123** Using the ADOS Severity Metric to Evaluate the Trajectory of Students with ASD In a Large Public School District. C. M. Harker<sup>1</sup>, E. M. Reisinger<sup>2</sup>, S. Shin<sup>2</sup> and D. S. Mandell<sup>3</sup>, (1)Psychiatry, University of Pennsylvania, Turnersville, (2)University of Pennsylvania, Philadelphia, PA, United States, (3)University of Pennsylvania School of Medicine, Philadelphia, PA
- 10:00 **124 105.124** Validation of the Wing Subgroup Questionnaire Using a Concurrent Operants Design. A. R. Reavis<sup>1</sup>, M. A. Shillingsburg, C. N. Bowen, A. J. Findley and N. A. Call, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA
- 11:00 **125 105.125** Yoga and Autism. L. S. Nicholls<sup>1</sup>, Support for Learning, National Autistic Society, Catrine, East Ayrshire, United Kingdom
- 9:00 **126 105.126** Impact of a Standardized Pamphlet on Sleep In Children with Autism. K. Adkins<sup>1</sup>, C. A. Molloy<sup>2</sup>, T. E. Clemons<sup>3</sup>, S. E. Goldman<sup>1</sup>, K. L. Surdyka<sup>1</sup>, D. Wofford<sup>1</sup>, D. Fawkes<sup>1</sup> and B. A. Malow<sup>1</sup>, (1)Neurology/Sleep, Vanderbilt Medical Center, Nashville, TN, (2)Cincinnati Children's Hospital Medical Center, Cincinnati, OH, (3)Emmes Corporation, Rockville, MD
- 10:00 **127 105.127** Interventions for Atypical Feeding Behaviour Interventions In Children with Autistic Spectrum Disorders (ASD): a Systematic Review of the Evidence. S. Studnik<sup>1</sup> and D. E. Simkiss<sup>2</sup>, (1)Child Development Service, St Mary's Hospital, Imperial College Healthcare NHS Trust, London, United Kingdom, (2)Health Sciences Research Institute, University of Warwick, Coventry, United Kingdom
- 11:00 **128 105.128** Predictors and Moderators of Parent Training for Children with Autism Spectrum Disorders and Serious Behavioral Problems. C. A. Farmer<sup>1</sup>, L. Lecavalier<sup>2</sup>, S. Yu<sup>3</sup>, L. E. Arnold<sup>2</sup>, B. L. Handen<sup>4</sup>, C. McDougle<sup>5</sup>, L. Scahill<sup>6</sup>, C. Johnson<sup>7</sup> and M. G. Aman<sup>2</sup>, (1)Nisonger Center, Columbus, OH, (2)Ohio State University, Columbus, OH, United States, (3)Center for Analytical Sciences, Yale University, New Haven, CT, (4)1011 Bingham St, University of Pittsburgh School of Medicine, Pittsburgh, PA, United States, (5)Indiana University School of Medicine, Indianapolis, IN, United States, (6)Yale University School of Medicine, New Haven, CT, United States, (7)University of Pittsburgh Medical Center, Pittsburgh, PA
- 9:00 **129 105.129** Use of Complementary and Alternative Medicine In Children with Autism and Other Developmental Disabilities: Associations with Ethnicity, Child Co-Morbid Symptoms and Parental Stress. M. D. Valicenti-McDermott<sup>1</sup>, L. Bernstein<sup>1</sup>, B. Burrows<sup>1</sup>, K. Hottinger<sup>2</sup>, K. Lawson<sup>1</sup>, R. M. Seijo<sup>2</sup>, M. Schechtman<sup>3</sup>, L. H. Shulman<sup>1</sup> and S. Shinnar<sup>1</sup>, (1)Albert Einstein College of Medicine, Bronx, NY, United States, (2)CERC, Albert Einstein College of Medicine, Bronx, NY, (3)Albert Einstein College of Medicine, Bronx, NY
- 10:00 **130 105.130** The Development of a Coding System for Social-Communication Behaviors for the ADOS. J. Dykstra<sup>1</sup>, L. Christian, S. Pearson, J. Kinard, L. R. Watson and B. Boyd, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 11:00 **131 105.131** How Much Change In Imitation Aptitude Is True Change?. M. Vanvuchelen<sup>1</sup>, Katholieke Universiteit Leuven - PHL-University College, Belgium, B 3000 Leuven, Belgium

- 9:00 **132 105.132** A Descriptive Analysis of Elementary SCHOOL Students' Conceptions of AUTISM. J. Campbell<sup>1</sup>, N. R. Siltan<sup>2</sup> and K. Roulston<sup>3</sup>, (1)University of Georgia, University of Georgia, Athens, GA, (2)Marymount Manhattan College, New York, NY, (3)University of Georgia, Athens, GA
- 10:00 **133 105.133** Temperament Intervention for Problem Behavior In Children with Autism Spectrum Disorders. L. Adamek<sup>1,2</sup>, S. Nichols<sup>3</sup> and S. Tetenbaum<sup>4</sup>, (1)UCSD, San Diego, CA, (2)Stony Brook University, Stony Brook, NY, (3)ASPIRE Center for Learning and Development, Melville, NY, (4)ASPIRE Center for Learning and Development
- 11:00 **134 105.134** Intervention-related Changes in Brain Activation in Adolescents with Autism. S. E. Christ<sup>1</sup>, J. P. Stichter<sup>1</sup>, A. J. Moffitt<sup>2</sup>, K. E. Bodner<sup>3</sup> and K. V. O'Connor<sup>2</sup>, (1)University of Missouri, Columbia, MO, (2)University of Missouri, Columbia, MO, (3)University of Missouri, Columbia, MO

Poster Sessions

105 - Psychiatric / Behavioral Comorbidities

8:00 AM - 1:00 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 9:00 **135 105.135** Aggression In Children and Adolescents with ASD: Prevalence and Risk Factors. S. M. Kanne<sup>1</sup> and M. O. Mazurek<sup>2</sup>, (1)Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO, United States, (2)Health Psychology, University of Missouri - Columbia, Columbia, MO
- 10:00 **136 105.136** Psychiatric Symptoms and Psychotropic Medication Use In Children with Autism: Findings From the Simons Simplex Collection. O. Y. Ousley<sup>1</sup> and S. M. Kanne<sup>2</sup>, (1)Psychiatry and Behavioral Sciences, Emory University, Atlanta, GA, (2)Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO
- 11:00 **137 105.137** The Effects of Problem Behavior on Parenting Stress In Young Children with ASD Over a 2-Year Period. P. Mirenda<sup>1</sup>, A. Zaidman-Zait<sup>1</sup>, S. Georgiades<sup>2</sup>, P. Szatmari<sup>2</sup>, S. E. Bryson<sup>3</sup>, E. Fombonne<sup>4</sup>, W. Roberts<sup>5</sup>, T. Vaillancourt<sup>6</sup>, J. Volden<sup>7</sup>, C. Waddell<sup>8</sup>, L. Zwaigenbaum<sup>7</sup>, E. Duku<sup>2</sup> and A. Thompson<sup>2</sup>, (1)University of British Columbia, Vancouver, BC, Canada, (2)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (3)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (4)Montreal Children's Hospital, Montreal, QC, Canada, (5)University of Toronto, Toronto, ON, Canada, (6)University of Ottawa, Ottawa, ON, Canada, (7)University of Alberta, Edmonton, AB, Canada, (8)Simon Fraser University, Burnaby, Canada
- 9:00 **138 105.138** Reliability and Validity of the Positive and Negative Affect Schedule (PANAS) for Individuals with Autism Spectrum Disorders. E. Buvinger<sup>1</sup> and C. Lord<sup>2</sup>, (1)University of Michigan Autism and Communication Disorders Center, Ann Arbor, MI, (2)University of Michigan, Ann Arbor, MI
- 10:00 **139 105.139** Confirmatory Factor Analysis of the Child Behavior Checklist — Preschool Version In a Sample of Children with Autism Spectrum Disorders. A. V. Snow<sup>1</sup> and C. A. Farmer<sup>2</sup>, (1)Child Study Center, Yale University, New Haven, CT, (2)Nisonger Center, Columbus, OH

- 11:00 **140 105.140** Emotional Health of Adults with High Functioning Autism. J. A. McGillivray<sup>1</sup>, D. I. Hamilton<sup>2</sup> and H. T. Evert<sup>1</sup>, (1)Psychology, Deakin University, Burwood, Australia, (2)Psychology, Australian Catholic University, Fitzroy, Australia
- 9:00 **141 105.141** Comparison of the Sensory Profile and the Sensory Processing Measure In a Cohort of Children Diagnosed with Autism Spectrum Disorders. M. N. Simard<sup>1</sup>, E. Fombonne<sup>2</sup>, E. Gisel<sup>3</sup> and M. Couture<sup>4</sup>, (1)CHUQ Research Center, Quebec, QC, Canada, (2)Montreal Children's Hospital, Montreal, QC, Canada, (3)McGill University, Montreal, QC, Canada, (4)Laval University, Quebec, QC, Canada
- 10:00 **142 105.142** Fears of Humiliation and Rejection Predict Aggressive Behavior In Children with HFASD. C. E. Pugliese<sup>1</sup>, B. A. White<sup>1</sup>, S. W. White<sup>2</sup> and T. Ollendick<sup>1</sup>, (1)Virginia Polytechnic Institute and State University, Blacksburg, VA, (2)Virginia Polytechnic Institute and State University, Blacksburg, VA
- 11:00 **143 105.143** Predictors of Peer Victimization In Adolescents with and without An Autism Spectrum Disorder. E. A. Kelley<sup>1</sup>, P. Kloosterman<sup>2</sup>, J. Parker<sup>3</sup>, W. Craig<sup>2</sup> and C. Javier<sup>4</sup>, (1)62 Arch St., Queen's University, Kingston, ON, Canada, (2)Queen's University, Kingston, ON, Canada, (3)Psychology, Trent University, Peterborough, ON, Canada, (4)Laurier University, Waterloo, ON, Canada
- 9:00 **144 105.144** Parent Reported Symptoms of Attention Deficit Hyperactivity Disorder In Children with and without Autism Spectrum Disorders. P. A. Rao<sup>1</sup> and R. J. Landa<sup>2</sup>, (1)Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD
- 10:00 **145 105.145** Arithmetic Abilities of Children with Autism Spectrum Disorder. D. Titeca<sup>1</sup>, H. Roeyers<sup>2</sup>, A. Desoete<sup>1</sup> and S. Pieters<sup>1</sup>, (1)Department of Experimental-Clinical and Health Psychology, Ghent University, Ghent, Belgium, (2)Department of Experimental-Clinical and Health Psychology, Ghent University, Ghent, Belgium
- 11:00 **146 105.146** A Comparison of Psychiatric Problems In Children with Autism, Prader-Willi Syndrome and Age, Gender and IQ Matched Control Group. N. Skokauskas<sup>1</sup>, J. Meehan<sup>2</sup> and L. Gallagher<sup>1</sup>, (1)Department of Psychiatry, Trinity College Dublin, Dublin, Ireland, (2)Department of Paediatrics, Trinity College Dublin, Ireland
- 9:00 **147 105.147** An Examination of the Prevalence of Attention Deficit/Hyperactivity Disorder In a Sample of Individuals with An Autism Spectrum Disorder. B. M. Cerban<sup>1</sup>, C. M. Slater<sup>1</sup>, L. M. Caccamo<sup>1</sup>, E. Hanson<sup>2</sup>, E. Chan<sup>1</sup> and J. Bacic<sup>3</sup>, (1)Developmental Medicine, Children's Hospital Boston, Boston, MA, (2)Children's Hospital Boston, Boston, MA, (3)Clinical research program, Children's Hospital Boston, Boston, MA
- 10:00 **148 105.148** The Association Between Maternal Depression and Comorbid Psychopathology In Children with Autism Spectrum Disorders. B. Zablotsky<sup>1</sup>, L. Kalb<sup>2</sup> and P. A. Law<sup>3</sup>, (1)Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD, (3)Kennedy Krieger Institute, Baltimore, MD
- 11:00 **149 105.149** Characteristics of Anxiety Disordered Children with Symptoms of Autism. C. Puleo<sup>1</sup>, R. T. Schultz<sup>2</sup> and P. C. Kendall<sup>3</sup>, (1)Philadelphia, PA, (2)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (3)Psychology, Temple University, Philadelphia, PA
- 9:00 **150 105.150** Posttraumatic Stress Disorder In Individuals with Diagnosis of Autism Spectrum Disorders. N. M. Mukaddes<sup>1</sup> and M. Mehtar<sup>2</sup>, (1)Istanbul University, Istanbul Faculty of Medicine, Istanbul, Turkey, (2)Child Psychiatry, Istanbul University, Istanbul, Turkey
- 10:00 **151 105.151** The Evaluation of Pervasive Developmental Disorders and Developmental Delay In Infants and Toddlers Based on DC:0-3 R. A. Bilgic<sup>1</sup>, R. Uslu<sup>2</sup> and O. Ozalp Kartal<sup>3</sup>, (1)Malatya Government Hospital, Malatya, Turkey, (2)Ankara University, Ankara, (3)Ankara University, Ankara, Turkey
- 11:00 **152 105.152** Risk Factors for Aggressive Behavior In Youth with Autism Spectrum Disorder. L. Kalb<sup>1</sup>, A. Keefer<sup>2</sup>, C. Foster<sup>3</sup>, R. A. Vasa<sup>2</sup>, B. H. Freedman<sup>1</sup> and B. Zablotsky<sup>4</sup>, (1)Kennedy Krieger Institute, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD, (3)Kennedy Krieger Institute, Baltimore, MD, (4)Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 9:00 **153 105.153** Teasing Apart Psychiatric Misdiagnoses From Comorbidity and Implications for Psychotropic Medication Use In Adolescents with High-Functioning ASDs. C. A. Mazefsky<sup>1</sup>, D. P. Oswald<sup>2</sup>, S. M. Eack<sup>3</sup>, N. J. J. Minshew<sup>4</sup> and J. E. Lainhart<sup>5</sup>, (1)Psychiatry, University of Pittsburgh, Pittsburgh, PA, (2)Commonwealth Autism Service, Richmond, VA, (3)Social Work, University of Pittsburgh, Pittsburgh, PA, (4)Psychiatry & Neurology, University of Pittsburgh, Pittsburgh, PA, (5)Psychiatry, Interdepartmental Program in Neuroscience, University of Utah, Salt Lake City, UT
- 10:00 **154 105.154** Effects of Social Skills Deficits and Psychological Issues on Friendship Quality In Young Adults with Autism. A. Gantman<sup>1</sup>, S. K. Kapp<sup>2</sup>, K. Orenski<sup>3</sup> and E. A. Laugeson<sup>4</sup>, (1)Department of Psychiatry, UCLA Semel Institute for Neuroscience & Human Behavior, Westwood, CA, (2)Moore Hall, Box 951521, University of California, Los Angeles, Los Angeles, CA, (3>Alliant University, Los Angeles, CA, (4)Psychiatry, UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA
- 11:00 **155 105.155** Social Anxiety Partially Mediates the Relationship Between Autism Spectrum Symptoms and Hostility. N. L. Kreiser<sup>1</sup>, C. E. Pugliese<sup>2</sup>, A. Scarpa<sup>3</sup> and S. W. White<sup>4</sup>, (1)Virginia Polytechnic Institute and State University, Blacksburg, VA, (2)Virginia Polytechnic Institute and State University, Blacksburg, VA, (3)Virginia Polytechnic Institute & State University, Blacksburg, VA, (4)Virginia Polytechnic Institute and State University, Blacksburg, VA
- 9:00 **156 105.156** Social Impairment, Social Anxiety, and Loneliness In High-Functioning Adolescents with Autism and Social Phobia. B. B. Maddox<sup>1</sup>, N. L. Kreiser<sup>1</sup> and S. W. White<sup>2</sup>, (1)Psychology Department, Virginia Tech, Blacksburg, VA, (2)Virginia Polytechnic Institute and State University, Blacksburg, VA

- 10:00 **157 105.157** Associations Between Repetitive Behaviors and Anxiety Symptoms In Children with Autism Spectrum Disorders. R. A. Libove<sup>1</sup>, J. M. Phillips<sup>2</sup>, K. J. Parker<sup>1</sup> and A. Y. Hardan<sup>1</sup>, (1)Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, CA, (2)Stanford University School of Medicine/Lucile Packard Children's Hospital, Stanford, CA
- 11:00 **158 105.158** Parental Intrusiveness and Separation Anxiety In Children with High-Functioning Autism. I. A. Rystad<sup>1</sup>, C. Fujii and J. J. Wood, University of California, Los Angeles, CA
- 9:00 **159 105.159** Suicidality In Patients with Autism Spectrum Disorders. D. Tutkunkardas<sup>1</sup>, S. Karakoç Demirkaya<sup>1</sup> and N. M. Mukaddes<sup>2</sup>, (1)Child Psychiatry Department, Istanbul University, Istanbul School of Medicine, Istanbul, Turkey, (2)Child Psychiatry, Istanbul University, Istanbul Faculty of Medicine, Istanbul, Turkey
- 10:00 **▶ 160 105.160** Emotional and Behavioral Problems In Preschoolers Children with Autism and PDD NOS: Prevalence and Risk Factor. G. Valeri<sup>1</sup>, L. D'Elia<sup>2</sup>, N. Mirante<sup>1</sup> and S. Vicari<sup>2</sup>, (1)Neuroscience, Children's Hospital Bambino Gesù, Roma, Italy, (2)Department of Neuroscience, Children's Hospital Bambino Gesù, Rome, Italy
- 11:00 **161 105.161** Anxiety In People Diagnosed with Autism and Intellectual Disability: Recognition and Phenomenology. S. B. Helverschou<sup>1</sup> and H. Martinsen<sup>2</sup>, (1)The National Autism Unit, Oslo University Hospital, Nydalen, Norway, (2)Institute of Special Needs Education, University of Oslo, Oslo, Norway
- 9:00 **162 105.162** Anxiety, Arousal, and Sensory Processing In Children with ASD. S. J. Lane<sup>1</sup> and S. E. Reynolds, Occupational Therapy, Virginia Commonwealth University, Richmond, VA
- 10:00 **163 105.163** Co-Occurrence of Behavioral, Psychiatric, and Medical Issues In Families Ascertained for Autism and Language Learning Impairment. Z. Fermano<sup>1</sup>, J. Flax<sup>1</sup>, C. Bartlett<sup>2</sup>, L. Hou<sup>2</sup>, A. Hare<sup>1</sup>, S. Buyske<sup>3</sup>, B. Zimmerman-Bier<sup>4</sup> and L. Brzustowicz<sup>1</sup>, (1)Department of Genetics, Rutgers University, Piscataway, NJ, (2)The Research Institute at Nationwide Children's Hospital & The Ohio State University, Columbus, OH, (3)Department of Statistics, Rutgers University, Piscataway, NJ, (4)Saint Peter's University Hospital, New Brunswick, NJ
- 11:00 **164 105.164** ADHD Subtypes In a Large ASD Mexican Clinical Sample. H. Padilla-Amezcu<sup>1</sup>, O. Roldan-Ceballos<sup>2</sup>, O. Nafate-Lopez<sup>3</sup>, W. O. Lopez Martinez<sup>3</sup>, P. Zavaleta-Ramírez<sup>4</sup>, D. C. Melchor Contreras<sup>3</sup>, G. Villarreal-Valdes<sup>5</sup> and L. Albores-Gallo<sup>5</sup>, (1)Research Division, Hospital Psiquiatrico Infantil Dr. Juan N. Navarro, Tlalpan, Mexico, (2)Research Division, Asociacion Mexicana de Ninos con TDA y trastornos asociados A.C., Mexico D.F., Mexico, (3)Research Division, Hospital Psiquiatrico Infantil, Mexico D.F., Mexico, (4)Adolescent Clinic, Instituto Nacional de Psiquiatria Ramon de la Fuente, Mexico D.F., Mexico, (5)Research Division, Hospital Psiquiatrico Infantil, Mexico D.F., Mexico
- 9:00 **165 105.165** IQ, Age, and Internalizing Disorders In Autism Spectrum Disorders. T. Ward<sup>1</sup>, B. Reilly<sup>1</sup> and R. A. Bernier<sup>2</sup>, (1)University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA
- 10:00 **166 105.166** Home Sweet Home? Families' Experience with Aggression In Autism. S. Hodgetts<sup>1</sup>, D. B. Nicholas<sup>2</sup> and L. Zwaigenbaum<sup>1</sup>, (1)Pediatrics, University of Alberta, Edmonton, AB, Canada, (2)University of Calgary, Edmonton, AB, Canada
- 11:00 **167 105.167** Association Between Regression and Self Injurious Behaviors Among Children with ASD. E. Lance<sup>1</sup>, J. York<sup>2</sup>, L. C. Lee<sup>3</sup> and A. W. Zimmerman<sup>4</sup>, (1)Neurodevelopmental Medicine, Kennedy Krieger Institute, Baltimore, MD, (2)Johns Hopkins School of Public Health, Baltimore, MD, (3)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (4)Kennedy Krieger Institute, Baltimore, MD
- 9:00 **168 105.168** Sensory Features and Caregiver Accommodations for Children with Autism and Developmental Disorders. L. M. Little<sup>1</sup>, A. C. Freuler<sup>2</sup>, J. H. Sideris<sup>3</sup> and G. T. Baranek<sup>4</sup>, (1)University of North Carolina at Chapel Hill, Carrboro, NC, (2)UNC Chapel Hill, (3)Frank Porter Graham Institute, Chapel Hill, NC, (4)University of North Carolina at Chapel Hill, Chapel Hill, NC
- 10:00 **169 105.169** Schizophrenia and ASD - Is It Really a Comorbidity?. P. W. Gorczyca<sup>1</sup> and A. Kapinos-Gorczyca<sup>2</sup>, (1)Department of Psychiatry, Medical University of Silesia, Tarnowskie Góry, Poland, (2)Daily Psychiatric Ward for Children and Adolescents, Gliwice, Poland
- 11:00 **170 105.170** Social Anxiety Disorder In Adults with High-Functioning Autism Spectrum Disorders. D. Spain<sup>1</sup>, P. Johnston<sup>1</sup>, K. Glaser<sup>2</sup>, K. Lovell<sup>3</sup>, D. G. Murphy<sup>1</sup> and M. R. C. AIMS Consortium<sup>4</sup>, (1)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom, (2)Department of Gerontology, Kings College London, London, United Kingdom, (3)School of Nursing, Midwifery and Social Work, University of Manchester, Manchester, United Kingdom, (4)University of Oxford, University of Cambridge, Institute of Psychiatry, London, United Kingdom
- 9:00 **171 105.171** Predictors of Comorbid Psychopathology for Toddlers with ASD. L. L. Christensen<sup>1</sup>, L. Berkovits<sup>2</sup>, M. Sigman<sup>3</sup> and T. Hutman<sup>4</sup>, (1)Psychology, UCLA, Los Angeles, CA, (2)Psychology, University of California, Los Angeles, Los Angeles, CA, (3)University of California, Los Angeles, Los Angeles, CA, United States, (4)Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA
- 10:00 **172 105.172** A Family History Study of Autism and Epilepsy. M. L. Cuccaro<sup>1</sup>, R. Tuchman<sup>1</sup>, E. R. Martin<sup>1</sup>, K. L. Hamilton<sup>1</sup>, H. H. Wright<sup>2</sup>, R. K. Abramson<sup>3</sup>, J. R. Gilbert<sup>1</sup>, J. L. Haines<sup>4</sup> and M. A. Pericak-Vance<sup>1</sup>, (1)John P Hussman Institute for Human Genomics, Miami, FL, (2)Dan Marino Autism Center, Weston, FL, (3)Department of Neuropsychiatry, University of South Carolina, Columbia, SC, (4)Center for Human Genetics, Vanderbilt University, Nashville, TN
- 11:00 **173 105.173** Cortisol Levels In Adolescents with ASD and Typical Development. A. M. Estes<sup>1</sup>, J. Munson<sup>2</sup>, L. Tsui<sup>3</sup>, D. Antovich<sup>4</sup>, B. King<sup>5</sup> and G. Dawson<sup>6</sup>, (1)Speech and Hearing Sciences, University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA, United States, (3)University of Washington, Seattle, WA, (4)Autism Center, University of Washington, Seattle, WA, (5)University of Washington and Seattle Children's Hospital, Seattle, WA, United States, (6)University of North Carolina, Autism Speaks, UNC Chapel Hill, Chapel Hill, NC

- 9:00 **174 105.174** Problem Behavior In Young Children with Autism Spectrum Disorder. K. E. Pelzel<sup>1</sup>, D. P. Wacker<sup>2</sup>, S. D. Lindgren<sup>2</sup>, T. G. Kopelman<sup>2</sup>, J. F. Lee<sup>3</sup>, Y. C. Padilla<sup>3</sup> and D. B. Waldron<sup>2</sup>, (1)Center for Disabilities and Development, University of Iowa Hospitals and Clinics, Iowa City, IA, (2)Pediatrics, University of Iowa Hospitals and Clinics, Iowa City, IA, (3)University of Iowa, Iowa City, IA
- 10:00 **175 105.175** Autistic Traits In a ADHD Clinical Sample Vs. Control Group. P. Zavaleta<sup>1</sup>, W. Lopez-Martinez<sup>2</sup>, D. C. Melchor Contreras<sup>3</sup>, O. Nafate Lopez<sup>2</sup>, H. Padilla-Amezcu<sup>4</sup> and L. Albores-Gallo<sup>2</sup>, (1)Adolescent Clinic, Instituto Nacional de Psiquiatria, Mexico D.F., Mexico, (2)Research Division, Hospital Psiquiatrico Infantil, Mexico D.F., Mexico, (3)Research Division, Hospital Psiquiatrico Infantil, Mexico D.F., Mexico, (4)Research Division, Hospital Psiquiatrico Infantil Dr. Juan N. Navarro, Tlalpan, Mexico
- 11:00 **176 105.176** Association of SRS Score with Other Phenotypic Variables In ADHD and ASD. A. M. Reiersen<sup>1</sup> and S. H. Mostofsky<sup>2</sup>, (1)660 S. Euclid Avenue, Washington University in St. Louis School of Medicine, St. Louis, MO, (2)Johns Hopkins School of Medicine, Kennedy Krieger Institute, Baltimore, MD
- 9:00 **177 105.177** Bidirectional Relationship Between Anxiety Symptoms In Mothers and Young Children with Autism and the Moderating Effects of Sensory Over-Responsivity. T. W. Soto<sup>1</sup>, F. Martinez<sup>2</sup> and A. S. Carter<sup>3</sup>, (1)University of Massachusetts, Boston, Boston, MA, (2)University of Massachusetts Boston, Boston, MA, (3)University of Massachusetts Boston, Boston, MA
- 10:00 **178 105.178** Differences In Symptom Presentation In Children with ASD with and without Co-Morbid Behavior Disorders. M. E. Behen<sup>1</sup>, A. Veenstra, C. Wolfe Christensen, M. Palance, B. Patel and B. Gorka, Autism Center, Children's Hospital of Michigan, Detroit, MI
- 11:00 **179 105.179** Sensory-Motor Features of Infants with and without Risk Factors for Autism. A. E. Lane<sup>1</sup>, J. Heathcock<sup>1</sup>, D. Robson<sup>2</sup> and R. L. Young<sup>2</sup>, (1)School of Allied Medical Professions, The Ohio State University, Columbus, OH, (2)The Flinders University of South Australia, Adelaide
- 9:00 **180 105.180** Sensory Responsiveness In Sibling Pairs Concordant and Discordant for ASD. C. L. Hilton<sup>1</sup>, A. Babb<sup>2</sup>, Y. Zhang<sup>3</sup> and J. N. Constantino<sup>3</sup>, (1)Washington University, St. Louis, MO, United States, (2)St. Louis, MO, (3)Washington University School of Medicine, Saint Louis, MO

2:00-4:00P	IES: Imaging Genetics in ASD (Elizabeth Ballroom A-C Lvl 2)			1:00-5:30P Poster Sessions (Elizabeth Ballroom E-F and Litrenta Foyer Lvl 2) Biomarkers, Cell Biology and Animal Models; Epidemiology: Biological and Social Risk Factors; Epidemiology: Prevalence, Trajectories, Interventions; Epidemiology: Detection and Screening; Genetics and Genomics; Lifespan, Family and Educational Issues; Neurophysiology: Cognitive Neuroscience; Neurophysiology: Sensory Processing; Neurophysiology: Social & Affective Processing
2:00-4:00P	Oral Sessions: Medical, Psychiatric, and Behavioral Comorbidities (Elizabeth Ballroom D Lvl 2)	Oral Sessions: Interventions: Controlled Treatment Trials (Elizabeth Ballroom G-H Lvl 2)	Oral Sessions: Onset, Clinical Phenotype and Quantitative Traits (Douglas Pavilion A Lvl 1)	
4:00-4:30P	Break ( Elizabeth Ballroom Foyer Lvl 2)			
4:30-6:00P	INSAR Awards Ceremony (Elizabeth Ballroom A-C Lvl 2)			
6:00-8:00P	Reception (Pool Deck Lvl 4)			

**Invited Educational Symposium**  
**106 - Imaging Genetics In ASD**  
 2:00 PM - 4:00 PM - Elizabeth Ballroom A-C

*Session Chairs:* S. Y. Bookheimer, D. H. Geschwind; *University of California, Los Angeles*

Combining in vivo brain imaging with genetics is a powerful research tool that can reveal how genes relate to differences in brain development, structure and function, relevant to human neuropsychiatric disorders. The purpose of this symposium is to introduce the principles behind imaging genetics for discovery of gene-brain pathways, and to demonstrate methods through the use of examples in research on autism supporting this line of research. These approaches include both human and animal imaging, and examples from each will be discussed. The educational goals of the symposium will include learning methods for choosing genes appropriate for imaging genetics studies, interpreting imaging-genetics data, and demonstrating several approaches through specific examples in both human and animal studies.

- 2:00 **106.001** Introduce Theories Supporting Imaging-Genetic Research. D. H. Geschwind<sup>1</sup> and S. Y. Bookheimer<sup>2</sup>, (1)Center for Neurobehavioral Genetics, University of California, Los Angeles, Los Angeles, CA, (2)Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, Los Angeles, CA
- 2:30 **106.002** Methods for Imaging Dendritic Growth In Vivo. J. Trachtenberg<sup>1</sup>, Neurobiology, UCLA, Los Angeles, CA
- 3:00 **106.003** Serotonin Transporter Genes. D. G. Murphy<sup>1</sup>, Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom
- 3:30 **106.004** CNTNAP2 Risk Gene. A. A. Scott-Van Zeeland<sup>1</sup>, Scripps Translational Science Institute, La Jolla, CA

**Oral Sessions**  
**107 - Medical, Psychiatric, and Behavioral Comorbidities**  
 2:00 PM - 4:00 PM - Elizabeth Ballroom D

- 2:00 **107.001** Iron Status In Children with Autism Spectrum Disorders. A. M. Reynolds<sup>1</sup>, C. A. Molloy<sup>2</sup>, S. J. James<sup>3</sup>, C. Johnson<sup>4</sup>, T. Clemons<sup>5</sup> and S. L. Hyman<sup>6</sup>, (1)University of Colorado Denver, Aurora, CO, (2)Cincinnati Children's Hospital Medical Center, Cincinnati, OH, (3)University of Arkansas for Medical Sciences, Little Rock, AR, (4)University of Pittsburgh, Pittsburgh, PA, (5)EMMES Corp, Rockville, MD, (6)University of Rochester School of Medicine, Rochester, NY, United States
- 2:15 **107.002** Comorbid Hearing Loss and Autism: Complex Presentation and Diagnosis. C. A. Szymanski, Ph.D.<sup>1</sup> and P. J. Brice, Ph.D.<sup>2</sup>, (1)Strong Center for Developmental Disabilities, University of Rochester Medical Center, Rochester, NY, (2)Department of Psychology, Gallaudet University, Washington, DC
- 2:30 **107.003** Medical Comorbidities In Children with Epilepsy and Autism Spectrum Disorders. G. Barnes<sup>1</sup>, D. L. Coury<sup>2</sup>, A. Loh<sup>3</sup>, N. Sidhu<sup>4</sup> and T. Clemons<sup>5</sup>, (1)Vanderbilt, Nashville, (2)Nationwide Children's Hospital, Columbus, OH, (3)Surrey Place, Toronto, ON, Canada, (4)Columbia University Medical Center, New York, NY, (5)EMMES Corp, Rockville, MD
- 2:45 **107.004** The Relationship of Abnormal Sensory Responses and Self-Regulatory Deficits to Developmental Delay in Young Children. L. M. Silva<sup>1</sup>, Teaching Research Institute, Western Oregon University, Monmouth, OR
- 3:00 **107.005** Autism Behavioral Phenotype and Health Across the Life Span. M. M. Seltzer<sup>1</sup>, Waisman Center, University of Wisconsin-Madison, Madison, WI

- 3:15 **107.006** Behavior and Sleep-Associations Across Childhood and Adolescence In Autism Spectrum Disorder. S. E. Goldman<sup>1</sup>, S. G. McGrew<sup>2</sup>, A. L. Richdale<sup>3</sup>, T. Clemons<sup>4</sup> and B. A. Malow<sup>1</sup>, (1)Neurology/Sleep, Vanderbilt University, Nashville, TN, (2)Pediatrics, Monroe Carell Children's Hospital at Vanderbilt, Nashville, TN, (3)Olga Tennison Autism Research Centre, La Trobe University, Bundoora, Australia, (4)Emmes Corporation, Rockville, MD
- 3:30 **107.007** Prevalence of Anxiety and Associated Psychiatric Comorbidities Among Children with Autism Spectrum Disorder: An Autism Treatment Network Study. R. A. Vasa<sup>1</sup>, L. Kalb<sup>1</sup>, T. E. Clemons<sup>2</sup>, B. H. Freedman<sup>1</sup>, A. Keefer<sup>3</sup>, S. M. Kanne<sup>4</sup>, M. O. Mazurek<sup>5</sup> and D. Murray<sup>6</sup>, (1)Kennedy Krieger Institute, Baltimore, MD, (2)Emmes Corporation, Rockville, MD, (3)Kennedy Krieger Institute, Baltimore, MD, United States, (4)Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO, (5)University of Missouri - Columbia, Columbia, MO, (6)Cincinnati Children's Hospital Medical Center, Cincinnati, OH
- 3:45 **107.008** Physiological Characteristics Associated with Anxiety In Adolescents with Autism Spectrum Disorders. L. Sterling<sup>1</sup>, A. M. Estes<sup>2</sup>, M. Murias<sup>3</sup>, S. J. Webb<sup>4</sup>, J. Munson<sup>3</sup>, B. King<sup>5</sup> and G. Dawson<sup>6</sup>, (1)Psychiatry and Biobehavioral Sciences, UCLA Semel Institute, Los Angeles, CA, (2)Speech and Hearing Sciences, University of Washington, Seattle, WA, (3)University of Washington, Seattle, WA, United States, (4)University of Washington, Seattle, WA, (5)University of Washington and Seattle Children's Hospital, Seattle, WA, United States, (6)University of North Carolina, Autism Speaks, UNC Chapel Hill, Chapel Hill, NC
- 2:30 **108.003** The ABC's of Meeting Peers and Making Friends: Teaching Social Skills to Adolescents with ASD In the Classroom. E. A. Laugeson<sup>1</sup>, R. Ellingsen<sup>2</sup>, S. Bates<sup>3</sup>, A. Baron<sup>4</sup>, C. Koeffler<sup>3</sup> and J. S. Sanderson<sup>5</sup>, (1)Psychiatry, UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA, (2)UCLA PEERS Program, Los Angeles, (3)Psychiatry, UCLA Semel Institute, Los Angeles, CA, (4)Psychiatry, UCLA Semel Institute, Los Angeles, CA, (5)UCLA Semel Institute for Neuroscience & Human Behavior, CA
- 2:45 **108.004** Group Parent Education In Pivotal Response Treatment (PRT): Preliminary Outcomes of a Randomized Controlled Trial. G. W. Gengoux<sup>1</sup>, M. B. Minjarez<sup>2</sup>, K. L. Berquist<sup>1</sup>, J. M. Phillips<sup>1</sup>, T. W. Frazier<sup>3</sup> and A. Y. Hardan<sup>1</sup>, (1)Stanford University School of Medicine/Lucile Packard Children's Hospital, Stanford, CA, (2)Seattle Children's Hospital, Seattle, WA, (3)Cleveland Clinic, Cleveland, OH
- 3:00 **108.005** Randomized Comparison of a Peer-Mediated Social Intervention to 'Business as Usual' Social Programming for Young Elementary Students with Autism. K. Thiemann-Bourque<sup>1</sup> and D. Kamps<sup>2</sup>, (1)Life Span Institute, University of Kansas, Lawrence, KS, (2)Juniper Gardens Children's Project, University of Kansas, Kansas City, KS
- 3:15 **108.006** Psychological Treatment for Comorbid OCD In Young People and Adults with Autism Spectrum Disorders. A. J. Russell<sup>1</sup>, D. Mataix-Cols<sup>2</sup>, A. Jassi<sup>3</sup>, M. Fullana<sup>4</sup>, H. Mack<sup>5</sup>, K. Johnston<sup>6</sup> and D. G. Murphy<sup>7</sup>, (1)Psychology, Kings College London, Institute of Psychiatry, London, United Kingdom, (2)Psychobiology of Anxiety and Obsessive Compulsive Disorders Group, Kings College London, Institute of Psychiatry, London, United Kingdom, (3)National Specialist OCD Clinic, South London and Maudsley NHS Foundation Trust, London, United Kingdom, (4)Psychobiology of Anxiety and Obsessive Compulsive Disorders Group, Kings College London, Institute of Psychiatry, London, United Kingdom, (5)Child & Family Unit, Starship Hospital, Auckland, New Zealand, (6)Psychology/Forensic and neurodevelopmental Sciences, Kings College London, Institute of Psychiatry, London, United Kingdom, (7)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom
- 3:30 **108.007** Results of a Group Comparison Study of the Joint Attention Mediated Learning Early Intervention for Toddlers with Autism Spectrum Disorders. H. Schertz<sup>1</sup>, S. Odom<sup>2</sup> and K. Baggett<sup>3</sup>, (1)Indiana University, Bloomington, IN, (2)University of North Carolina, Chapel Hill, NC, United States, (3)University of Kansas, Kansas City, KS
- 3:45 **108.008** A Randomized Controlled Double-Blind Trial of N-Acetylcysteine In Children with Autism. A. Y. Hardan<sup>1</sup>, L. K. Fung<sup>2</sup>, R. A. Libove<sup>1</sup>, T. V. Obukhanych<sup>3</sup>, S. Nair<sup>4</sup>, T. W. Frazier<sup>5</sup>, L. Herzenberg<sup>6</sup> and R. Tirouvanziam<sup>6</sup>, (1)Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, CA, (2)Stanford University, (3)Department of Genetics, Stanford University School of Medicine, Stanford, CA, (4)Stanford University, Stanford, CA, (5)Center for Autism and Center for Pediatric Behavioral Health, Cleveland Clinic, Cleveland, OH, (6)Department of Pediatrics, Stanford University School of Medicine, Stanford, CA

**Oral Sessions**

**108 - Interventions: Controlled Treatment Trials**

2:00 PM - 4:00 PM - Elizabeth Ballroom G-H

*Session Chair: A. Y. Hardan; Stanford University School of Medicine/Lucile Packard Children's Hospital*

- 2:00 **108.001** Social Cognition and Interaction Training In Autism (SCIT-A): Development, Feasibility and Preliminary Findings with Adolescents. L. Turner-Brown<sup>1</sup>, A. B. Ratto<sup>2</sup>, B. M. Rupp<sup>2</sup> and D. L. Penn<sup>2</sup>, (1)Carolina Institute for Developmental Disabilities, University of North Carolina, Chapel Hill, NC, (2)Psychology, University of North Carolina, Chapel Hill, NC
- 2:15 **108.002** Efficacy of CBT-Based Social Skills INTERVENTION. C. Koning<sup>1</sup>, J. Magill-Evans<sup>2</sup> and J. Volden<sup>3</sup>, (1)Glenrose Rehabilitation Hospital, Edmonton, AB, Canada, (2)Occupational Therapy, University of Alberta, Edmonton, AB, Canada, (3)University of Alberta, Edmonton, AB, Canada



**Oral Sessions**

**109 - Onset, Clinical Phenotype and Quantitative Traits**

2:00 PM - 4:00 PM - Douglas Pavilion A

*Session Chair: J. N. Constantino; Washington University School of Medicine*

- 2:00 **109.001** Gesture and Autism: Functional Relationships to Both Motor Skills and Autistic Symptomatology. K. Sullivan<sup>1</sup>, J. Gerdtz<sup>2</sup> and R. A. Bernier<sup>3</sup>, (1)Seattle, WA, (2)University of Washington, Seattle, WA, (3)University of Washington, Seattle, WA
- 2:15 **109.002** Onset Patterns: Correspondence Between Home Video and Parent Report. S. Ozonoff<sup>1</sup>, A. M. Iosif<sup>2</sup>, G. S. Young<sup>3</sup>, S. Hepburn<sup>4</sup>, M. R. Thompson<sup>5</sup>, C. Colombi<sup>6</sup>, E. Werner<sup>7</sup>, S. Goldring<sup>1</sup>, F. Bagoiu<sup>1</sup>, I. Cook<sup>1</sup> and S. J. Rogers<sup>1</sup>, (1)UC Davis MIND Institute, Sacramento, CA, (2)UC Davis, Davis, CA, (3)Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA, (4)University of Colorado Denver, Anschutz Medical Campus, Aurora, CO, (5)Department of Psychology, Boston University, Boston, MA, (6)University of Michigan, Ann Arbor, MI, (7)Penn State University, State College, PA
- 2:30 **109.003** Early Generalized Overgrowth In Boys with Autism. D. Campbell<sup>1</sup>, L. Chen<sup>1</sup>, F. Shic<sup>2</sup>, A. Klin<sup>3</sup>, J. Chang<sup>1</sup> and K. Chawarska<sup>2</sup>, (1)Department of Statistics, Yale University, New Haven, CT, (2)Yale University School of Medicine, New Haven, CT, (3)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA
- 2:45 **109.004** Behavioral Signs of Autism In Premature Infants: Findings From the Autism Observation Scale for Infants and Autism Diagnostic Observation Schedule. C. Roncadin<sup>1</sup>, S. Jilderda<sup>1</sup>, J. Brian<sup>2</sup>, W. Roberts<sup>2,3</sup>, I. M. Smith<sup>4</sup>, S. E. Bryson<sup>4</sup>, A. Niccols<sup>5</sup>, P. Szatmari<sup>6</sup>, T. Vaillancourt<sup>7</sup> and L. Zwaigenbaum<sup>8</sup>, (1)Peel Children's Centre, Mississauga, ON, Canada, (2)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (3)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (4)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (5)Box 2000, Hamilton Health Sciences Centre, Hamilton, ON, Canada, (6)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (7)University of Ottawa, Ottawa, ON, Canada, (8)Pediatrics, University of Alberta, Edmonton, AB, Canada

- 3:00 **109.005** Quantitative Autism Traits In First Degree Relatives of Children with ASD. W. De la Marche<sup>1,2</sup>, I. L. J. Noens<sup>2,3,4</sup>, J. Luts<sup>5</sup>, E. M. Scholte<sup>6</sup>, S. Van Huffel<sup>2,5</sup> and J. Steyaert<sup>1,2,7</sup>, (1)Child & Adolescent Psychiatry Dep., UPC-K.U.Leuven, campus Gasthuisberg, Leuven, Belgium, (2)Leuven Autism Research, K.U.Leuven, Leuven, Belgium, (3)Parenting and Special Education Research Group, K.U.Leuven, Leuven, Belgium, (4)Psychiatric and Neurodevelopmental Genetics Unit, Massachusetts General Hospital, Boston, MA, (5)Department of Electrical Engineering (ESAT), Research Division SCD, K.U.Leuven, Heverlee, Belgium, (6)Clinical Child and Adolescent Studies, Universiteit Leiden, Leiden, Netherlands, (7)Clinical Genetics, University Hospital Maastricht, Maastricht, Netherlands
- 3:15 **109.006** Evidence That Phenotypic Variation In Individuals with ASD Is Associated with Behavior Profiles In Nuclear Family Members. E. Robinson<sup>1,2</sup>, A. Duda<sup>3</sup>, N. Coggins<sup>3</sup>, R. Droms<sup>3</sup>, M. Galdston<sup>3</sup>, A. Gates<sup>3</sup>, S. Kleinfelder<sup>3</sup>, J. A. Lomibao<sup>3</sup>, R. J. Luyster<sup>4</sup>, D. Stein<sup>5</sup>, R. Travolta<sup>3</sup>, B. Winklosky<sup>3</sup> and S. L. Santangelo<sup>3,6</sup>, (1)Psychiatric and Neurodevelopmental Genetics Unit, Massachusetts General Hospital, Boston, MA, (2)Epidemiology, Harvard School of Public Health, Boston, MA, (3)Psychiatric and Neurodevelopmental Genetics Unit, Center for Human Genetic Research, Massachusetts General Hospital, Boston, MA, (4)Laboratories of Cognitive Neuroscience, Harvard Medical School/Children's Hospital Boston, Boston, MA, (5)Developmental Medicine, Childrens Hospital Boston, Boston, MA, (6)Department of Epidemiology, Harvard School of Public Health, Boston, MA
- 3:30 **109.007** A Sparse Panel of Biomarkers In Blood Distinguishes Children with Autism Spectrum Disorder From Typically Developing Children. S. Letendre<sup>1</sup>, W. Thompson<sup>2</sup>, D. Rosario<sup>3</sup>, L. Lopez<sup>3</sup>, C. Carter<sup>3</sup>, M. Weinfeld<sup>3</sup>, S. Spendlove<sup>3</sup>, N. Schork<sup>4</sup>, E. Courchesne<sup>3</sup> and K. Pierce<sup>3</sup>, (1)Department of Medicine and Autism Center of Excellence, University of California, San Diego, San Diego, CA, (2)Department of Psychiatry and Autism Center of Excellence, University of California, San Diego, San Diego, CA, (3)Department of Neurosciences and Autism Center of Excellence, University of California, San Diego, San Diego, CA, (4)Molecular and Experimental Medicine and UCSD Autism Center of Excellence, The Scripps Translational Research Institute, La Jolla, CA
- 3:45 **109.008** Inherited ASD Susceptibility In Never-Diagnosed Females: Implications for Intergenerational Transmission, Gender Ratio, and the Diagnosis of Autism. J. N. Constantino<sup>1</sup> and P. A. Law<sup>2</sup>, (1)Washington University School of Medicine, Saint Louis, MO, (2)Kennedy Krieger Institute, Baltimore, MD

Poster Sessions

110 - Biomarkers, Cell Biology and Animal Models

1:00 PM - 5:30 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 1:00 1 110.001 Synaptic Causes for Autistic Regression: A Neural Network Model. Y. S. Bonne<sup>1</sup>, S. Romani<sup>2</sup>, Y. Adini<sup>3</sup> and M. Tsodyks<sup>2</sup>, (1)Human Biology, University of Haifa, Haifa, Israel, (2)Neurobiology, The Weizmann Institute of Science, Rehovot, Israel, (3)Vision Research Inst., Kiron, Israel
- 2:00 2 110.002 Evaluation of Cytokine Expression In Cerebral Cortex and Blood Plasma of Autistic Patients. M. C. Mott<sup>1</sup>, F. Crespo<sup>2</sup>, G. R. Fernandez<sup>3</sup>, L. L. Sears<sup>4</sup>, P. G. Williams<sup>4</sup> and M. F. Casanova<sup>5</sup>, (1)Anatomical Science and Neurobiology, University of Louisville, Louisville, KY, (2)Anthropology, University of Louisville, Louisville, KY, (3)Pathology and Laboratory Medicine, University of Louisville, Louisville, KY, (4)Pediatrics, University of Louisville, Louisville, KY, (5)Psychiatry & Behavioral Sciences, University of Louisville, Louisville, KY
- 3:00 3 110.003 Brain Region-Specific Decrease In the Activity of Protein Kinase C, and Increase In Activated MAP Kinases In Regressive Autism. V. Chauhan<sup>1</sup>, L. Ji<sup>2</sup> and A. Chauhan<sup>2</sup>, (1)NYS Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (2)NYS Institute for Basic Research in Developmental Disabilities, Staten Island, NY
- 1:00 4 110.004 Up-Regulation of Ras/Raf/ERK1/2 Signaling In the Frontal Cortex of Autistic Subjects and BTBR Mice. H. Zou<sup>1</sup>, K. Yang<sup>1</sup>, A. Sheikh<sup>1</sup>, M. Malik<sup>2</sup>, G. Y. Wen<sup>1</sup>, K. Chadman<sup>1</sup>, Y. Yu<sup>3</sup>, W. T. Brown<sup>4</sup> and X. Li<sup>1</sup>, (1)New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (2)New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (3)Southern Medical University, Guangzhou, MT, China, (4)Human Genetics, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY
- 2:00 5 110.005 Up-Regulation of  $\alpha$ -Catenin In the Glial Cells of Autistic Brain and Its Possible Effect on Glial Cell Development and Functions. A. Sheikh<sup>1</sup>, X. Li<sup>2</sup>, Z. Tauqeer<sup>1</sup>, M. Malik<sup>3</sup>, A. Nagori<sup>1</sup>, G. Y. Wen<sup>1</sup> and W. T. Brown<sup>4</sup>, (1)New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (2)New York State Institute for Basic Research in Developmental Disabilities, New York, NY, (3)New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (4) Human Genetics, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY
- 3:00 6 110.006 Changes In Proteolytic Processing Lead to Increased Pro-Brain-Derived Neurotrophic Factor Levels In Fusiform Gyrus of Subjects with Autism. M. Fahnstock<sup>1,2</sup>, K. L. Garcia<sup>1</sup>, G. Yu<sup>1</sup>, B. Michalski<sup>3</sup>, D. J. Garzon<sup>1</sup>, V. S. Chiu<sup>3</sup>, E. Tongiorgi<sup>4</sup> and P. Szatmari<sup>5</sup>, (1)Psychiatry & Behavioural Neurosciences, McMaster University, Hamilton, ON, Canada, (2)Dept. of Biology, McMaster University, Hamilton, ON, Canada, (3)Biology, McMaster University, Hamilton, ON, Canada, (4)BRAIN Center for Neuroscience, Department of Life Sciences, University of Trieste, Trieste, Italy, (5)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada
- 1:00 7 110.007 Dietary Choline Intake by Children with Autism Is below the Recommended Dietary Reference Intake (DRI) Established by the IOM. S. J. James<sup>1</sup>, M. Pauly<sup>1</sup>, S. Melnyk<sup>1</sup>, P. A. Stewart<sup>2</sup>, B. L. Schmidt<sup>2</sup>, N. Lemcke<sup>2</sup>, A. M. Reynolds<sup>3</sup>, C. A. Molloy<sup>4</sup>, C. Johnson<sup>5</sup>, T. Clemons<sup>6</sup> and S. L. Hyman<sup>7</sup>, (1)University of Arkansas for Medical Sciences, Little Rock, AR, (2)University of Rochester, Rochester, NY, (3)University of Colorado Denver, Aurora, CO, United States, (4)Cincinnati Children's Hospital Medical Center, Cincinnati, OH, (5)University of Pittsburgh Medical Center, Pittsburgh, PA, (6)EMMES Corp, Rockville, MD, (7)University of Rochester School of Medicine, Rochester, NY, United States
- 2:00 8 110.008 Distinct Profile of Glutamate, Leucine, and Polar Neutral Amino Acids In Children with Autism Spectrum Disorders. T. V. Obukhanych<sup>1</sup>, R. Tirouvanziam<sup>2</sup>, J. Laval<sup>2</sup>, P. A. Aronov<sup>3</sup>, R. A. Libove<sup>4</sup>, A. Goswami<sup>4</sup>, K. J. Parker<sup>4</sup>, R. O'Hara<sup>4</sup>, L. Herzenberg<sup>1</sup>, L. Herzenberg<sup>1</sup> and A. Y. Hardan<sup>4</sup>, (1)Department of Genetics, Stanford University School of Medicine, Stanford, CA, (2)Department of Pediatrics, Stanford University School of Medicine, Stanford, CA, (3)Vincent Coates Mass Spectrometry Laboratory, Stanford University, Stanford, CA, (4)Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, CA
- 3:00 9 110.009 Plasma Oxytocin and Vasopressin Concentrations In Autism Spectrum Disorders. K. J. Parker<sup>1</sup>, R. A. Libove<sup>1</sup>, S. A. Hyde<sup>1</sup>, K. B. Hornbeak<sup>1</sup>, K. W. Yuen<sup>1</sup>, C. S. Mich<sup>1</sup>, N. C. Ray<sup>2</sup>, S. S. Shen-Orr<sup>3</sup>, J. M. Phillips<sup>4</sup> and A. Y. Hardan<sup>1,4</sup>, (1)Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, CA, (2)Department of Statistics, Stanford University, Stanford, CA, (3)Departments of Pediatrics and Systems Medicine, Stanford University School of Medicine, Stanford, CA, (4)Stanford University School of Medicine/Lucile Packard Children's Hospital, Stanford, CA
- 1:00 10 110.010 Absence of Cradling Bias In Autism Spectrum Disorders. L. A. Pileggi<sup>1</sup>, S. Malcolm-Smith<sup>2</sup>, M. Robberts<sup>1</sup> and K. Thomas<sup>1</sup>, (1)Psychology, University of Cape Town, Cape Town, South Africa, (2)University of Cape Town, Cape Town, South Africa
- 2:00 11 110.011 The Role of Protein Breakdown and Utilization In Children with Autism Spectrum Disorder. J. Fallon<sup>1</sup>, Rye, NY
- 3:00 12 110.012 Increased Copper In Individuals with Autism Normalizes Post Zinc Therapy More Efficiently In Individuals with Concurrent GI Disease. A. J. Russo<sup>1</sup>, 4575 Weaver Parkway, Health Research Institute, Warrenville, IL
- 1:00 13 110.013 Metabolic Imbalance Associated with DNA Hypomethylation and Oxidative DNA/Protein Damage In Children with Autism. S. J. James<sup>1</sup>, S. Melnyk<sup>1</sup>, G. J. Fuchs<sup>2</sup>, M. Lopez<sup>1</sup>, S. Kahler<sup>2</sup>, J. Fussell<sup>1</sup>, L. Seidel<sup>1</sup>, O. Pavliv<sup>1</sup> and B. J. Bellando<sup>1</sup>, (1)University of Arkansas for Medical Sciences, Little Rock, AR, (2)Arkansas Children's Hospital, Little Rock, AR

- 2:00 **14 110.014** Proteome Analysis of Lymphoblastoid Cell Lines of Patients with Autism Spectrum Disorder Carrying a Mutation In the Ribosomal Protein Gene RPL10. S. M. Klauk<sup>1</sup>, A. Chiocchetti<sup>1</sup>, D. Haslinger<sup>2</sup>, J. Kellermann<sup>3</sup>, E. Duketis<sup>4</sup>, S. Wiemann<sup>1</sup>, F. Poustka<sup>4</sup>, F. Lottspeich<sup>3</sup> and L. Breitenbach-Koller<sup>2</sup>, (1)Division of Molecular Genome Analysis, German Cancer Research Center (DKFZ), Heidelberg, Germany, (2)Department of Cell Biology, Paris-Lodron University, Salzburg, Austria, (3)Protein Analysis, Max Planck Institute for Biochemistry, Munich, Germany, (4)Department of Child and Adolescent Psychiatry, Psychosomatics and Psychotherapy, Goethe-University, Frankfurt am Main, Germany
- 3:00 **15 110.015** High Serum Level of Homocysteine Is Associated with Increased Risk of Autism In Oman. A. Ali<sup>1</sup>, M. I. Waly, Y. Y. Al-Farsi and M. M. Al-Sharbaty, Sultan Qaboos University, Muscat, Oman
- 1:00 **16 110.016** Elevated Leptin and Reduced Adiponectin Levels In Omani Autistic Children. M. E. Mohamed-Musthafa<sup>1,2,3</sup>, G. J. Guillemin<sup>2</sup>, M. I. Waly<sup>4</sup>, A. Ali<sup>5</sup>, Y. Y. Al-Farsi<sup>5</sup>, M. M. Al-Sharbaty<sup>5</sup>, N. Braidy<sup>2</sup> and M. Al-Shafae<sup>5</sup>, (1)Muscat, Sultan Qaboos University, Oman, Sultanate of Oman, (2)Pharmacology, UNSW, Sydney, Australia, (3)Neurochemistry, NYSIBR, Staten Island, NY, (4)Sultan Qaboos University, Al-Khoud, Oman, (5)Sultan Qaboos University, Muscat, Oman
- 2:00 **17 110.017** Dietray Antioxidants Vitamins Status In Omani Autistic Children. M. I. Waly<sup>1</sup>, M. M. Al-Sharbaty, Y. Alfarsi and A. Ali, Sultan Qaboos University, Muscat, Oman
- 3:00 **18 110.018** A Functional Variant of the MET Gene Results In Increased Inflammation and An Association with the Presence of Maternal Anti-Fetal Brain Antibodies. L. S. Heuer<sup>1</sup>, P. Duncanson<sup>1</sup>, R. Boyce<sup>1</sup>, P. Ashwood<sup>2</sup>, D. B. Campbell<sup>3</sup> and J. Van de Water<sup>1</sup>, (1)University of California, Davis, Davis, CA, (2)University of California, Davis, MIND Institute, Sacramento, CA, (3)University of Southern California, Los Angeles, CA
- 1:00 **19 110.019** Glutathione Redox Imbalance and Increased DNA Oxidation In Specific Brain Regions In Autism. A. Chauhan<sup>1</sup>, T. Audhya<sup>2</sup> and V. Chauhan<sup>3</sup>, (1)NYS Institute for Basic Research in Developmental Disabilities, Staten Island, NY, United States, (2)New York University School of Medicine and Vitamin Diagnostic Laboratory, NY City, NY, (3)NYS Institute for Basic Research in Developmental Disabilities, Staten Island, NY
- 2:00 **20 110.020** Reduced Glutathione-Mediated Antioxidant Capacity and Elevated Reactive Oxygen Species In Peripheral Immune Cells From Children with Autism. S. Rose<sup>1</sup>, S. Melnyk, T. A. Trusty, O. Pavliv, L. Seidel and S. J. James, University of Arkansas for Medical Sciences, Little Rock, AR
- 3:00 **21 110.021** Cyfp1, a Protein Involved In 15q Duplication Region, Regulated Neuron Morphological Changes Through the Translational Cascade. A. Oguro-Ando<sup>1</sup>, C. Rosensweig<sup>1</sup>, D. Werling<sup>2</sup>, J. Bomar<sup>2</sup>, Y. Nishimura<sup>3</sup>, B. S. Abrahams<sup>4</sup>, E. Herman<sup>1</sup>, H. Dong<sup>1</sup> and D. H. Geschwind<sup>5</sup>, (1)Neurology, The University of California, Los Angeles, Los Angeles, CA, (2)Semel Institute, The University of California, Los Angeles, Los Angeles, CA, (3)Mie University, Tsu, Japan, (4)Genetics & Neuroscience, Albert Einstein College of Medicine, Bronx, NY, (5)Center for Neurobehavioral Genetics, University of California, Los Angeles, Los Angeles, CA
- 1:00 **22 110.022** The Role of Cytoplasmic FMRP Interacting Protein 1 In Translational Regulation In the Synapse. O. B. Gunal<sup>1</sup>, N. Uppal, T. Anderson, T. Sakurai and J. D. Buxbaum, Seaver Autism Center for Research and Treatment, Department of Psychiatry, Mount Sinai School of Medicine, New York, NY
- 2:00 **23 110.023** Maternal Exposure to Thimerosal, An Organomercury, Affects Early Serotonergic Development In the Fetal Rat Brain. M. Ida-Eto<sup>1</sup>, A. Oyabu<sup>1</sup>, T. Ohkawara<sup>1</sup>, Y. Tashiro<sup>1</sup>, N. Narita<sup>2</sup> and M. Narita<sup>1</sup>, (1)Developmental and Regenerative Medicine, Mie University, Tsu, Japan, (2)Education, Bunkyo University, Koshigaya, Japan
- 3:00 **24 110.024** Neuroanatomical Abnormalities In the Mecp2(308) Mouse Model of Rett Syndrome. J. Ellegood<sup>1</sup>, J. P. Lerch and R. M. Henkelman, Mouse Imaging Centre, The Hospital for Sick Children, Toronto, ON, Canada
- 1:00 **25 110.025** The Effects of Neuropeptide Secretin In Early Postnatal Brain Development. I. Nishijima<sup>1</sup> and P. Jukkola<sup>2</sup>, (1)Tohoku University Graduate School of Medicine, Sendai, Japan, (2)The Ohio State University, Columbus, OH
- 2:00 **26 110.026** A DARTEL-Based Analysis of Post-Natal Brain Response to Prenatal Maternal Inflammation In Early or Late Pregnancy In the Mouse. G. M. McAlonan<sup>1,2</sup>, Q. Li<sup>3</sup>, E. X. Wu<sup>4</sup> and C. Cheung<sup>5</sup>, (1)Psychiatry, University of Hong Kong, Hong Kong, Hong Kong, (2)State Key Laboratory for Brain and Cognitive Sciences, Hong Kong, Hong Kong, (3)Centre for Reproduction, Development and Growth and Dept of Psychiatry, University of Hong Kong, Hong Kong, Hong Kong, (4)Laboratory for biomedical imaging and signal processing, University of Hong Kong, Hong Kong, (5)Psychiatry, The University of Hong Kong, Pokfulam, Hong Kong
- 3:00 **27 110.027** Functional Analysis of SHANK3 In Zebrafish. G. Cai<sup>1</sup>, Y. Kajiura<sup>1</sup>, K. Tsang<sup>2</sup>, K. C. Sadler<sup>3</sup> and J. D. Buxbaum<sup>1</sup>, (1)Seaver Autism Center for Research and Treatment, Department of Psychiatry, Mount Sinai School of Medicine, New York, NY, (2)Division of Biochemistry (Medicine), School of Biomedical Sciences, Chinese University of Hong Kong, Hong Kong, China, (3)Department of Developmental and Regenerative Biology, Mount Sinai School of Medicine, New York, NY
- 1:00 **28 110.028** Transgenic Expression of Mammalian Neuroigin Rescues the Oxidative Stress Phenotype of C. Elegans Neuroigin-Deficient Mutants. J. B. Rand<sup>1,2,3</sup>, G. P. Mullen<sup>1</sup>, E. A. Mathews<sup>1</sup>, J. W. Hunter<sup>1,3</sup> and J. M. Heatherly<sup>1,2</sup>, (1)Genetic Models of Disease, Oklahoma Medical Research Foundation, Oklahoma City, OK, (2)Oklahoma Center for Neuroscience, University of Oklahoma Health Science Center, Oklahoma City, OK, (3)Cell Biology, University of Oklahoma Health Science Center, Oklahoma City, OK
- 2:00 **29 110.029** Contagious Yawning In Chimpanzees as a Measure of Empathy: Potential Implications for Autism Research. M. W. Campbell<sup>1</sup> and F. de Waal, Living Links, Yerkes National Primate Research Center, Emory University, Lawrenceville, GA
- 3:00 **30 110.030** BTBR Mice Exhibit Deficits In Probabilistic Reversal Learning. M. E. Ragozzino<sup>1</sup>, D. Amodeo<sup>1</sup>, J. Jones<sup>1</sup> and J. A. Sweeney<sup>2</sup>, (1)Psychology, University of Illinois at Chicago, Chicago, IL, (2)Center for Cognitive Medicine, University of Illinois at Chicago, Chicago, IL

- 1:00 **31 110.031** Abnormal Social Interaction In Gabrb3 shRNA Transgenic Mice. L. Herzing<sup>1</sup>, A. Czaplicki, K. Masterson and W. Dietz, Northwestern University Feinberg School of Medicine, Chicago, IL
- 2:00 **32 110.032** Gene Deletion of Pituitary Adenylate Cyclase-Activating Polypeptide (PACAP) Reduces Anxiety and Produces Deficits In Social Discrimination In Mice. M. C. Valdez<sup>1</sup>, Moreno Valley, CA
- 3:00 **33 110.033** Measuring Social Motivation In Mice Using Novel Operant Conditioning Paradigms. L. A. Martin<sup>1</sup>, B. Berk, Z. Maupin and L. Lane, Azusa Pacific University, Azusa, CA

**Poster Sessions**  
**110 - Epidemiology: Biological and Social Risk Factors**

1:00 PM - 5:30 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 1:00 **34 110.121** Paternal and Maternal Age Are Jointly Related to Autism Spectrum Disorders In Jamaican Children. M. H. Rahbar<sup>1</sup>, M. Samms-Vaughan<sup>2</sup>, K. A. Loveland<sup>3</sup>, E. Boerwinkle<sup>4</sup>, J. Bressler<sup>5</sup>, D. A. Pearson<sup>6</sup>, S. Pellington<sup>7</sup>, C. Beecher<sup>8</sup>, M. L. Grove<sup>9</sup>, M. Ardjomand-Hessabi<sup>10</sup> and K. Bloom<sup>10</sup>, (1)University of Texas Health Science Center at Houston, Houston, TX, (2)The University of the West Indies, Kingston 7, (3)Dept. of Psychiatry & Behavioral Sciences, University of Texas Medical School, Houston, Houston, TX, (4)Division of Epidemiology, Human Genetics, and Environmental Sciences, The University of Texas School of Public Health at Houston, Houston, TX, (5)Houston, TX, (6)Psychiatry & Behavioral Sciences, University of Texas Medical School at Houston, Houston, TX, (7)Kingston 7, (8)4 St. John's Close, Mona Campus, Kingston 7, (9)Houston, TX, (10)6410 Fannin St., Suite 1100, Houston, TX
- 2:00 **35 110.122** Use of Fertility Therapies In Association with Autism Spectrum Disorders In Children of the Nurses' Health Study II. K. Lyall<sup>1,2</sup>, S. L. Santangelo<sup>3</sup> and A. Ascherio<sup>4</sup>, (1)Harvard School of Public Health, Berkeley, CA, (2)UC Davis MIND Institute, Sacramento, CA, (3)Department of Psychiatry, Harvard Medical School, Boston, MA, (4)Epidemiology and Nutrition, Harvard School of Public Health, Boston, MA
- 3:00 **36 110.123** Are Children Born After Assisted Reproductive Technology at Increased Risk of Developing An Autism Spectrum Disorder?. L. Hewitson<sup>1</sup> and M. Glausser, Thoughtful House Center for Children, Austin, TX
- 1:00 **37 110.124** Maternal Residential Proximity to Toxic Release Inventory Sites In Children with ASD and Other Developmental Disabilities. J. P. Zimmerman<sup>1,2</sup>, A. Bakian<sup>1</sup>, R. Larson<sup>1</sup>, R. Satterfield<sup>3</sup> and W. M. McMahon<sup>2</sup>, (1)University of Utah, Salt Lake City, UT, (2)Department of Psychiatry, University of Utah, Salt Lake City, UT, (3)Utah Department of Health, Salt Lake City, UT

- 2:00 **38 110.125** SSRI Use During Pregnancy and Risk of ASD or Developmental Delay In Children. R. A. Harrington<sup>1</sup>, L. C. Lee<sup>1</sup>, C. K. Walker<sup>2</sup>, R. L. Hansen<sup>3</sup>, S. Ozonoff<sup>3</sup> and I. Hertz-Picciotto<sup>4</sup>, (1)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (2)Department of Public Health Sciences, University of California at Davis, Davis, CA, (3)MIND Institute, University of California at Davis, Sacramento, CA, (4)Department of Public Health Sciences, University of California Davis, Davis, CA
- 3:00 **39 110.126** Effects of Prenatal Stress, Prenatal Diet, and Maternal Genotype on Ultrasonic Vocalizations In Mice. K. L. Jones<sup>1</sup>, M. J. Will<sup>1</sup>, C. Giesing<sup>1</sup>, P. M. Hecht<sup>1</sup>, C. L. Parker<sup>1</sup> and D. Q. Beversdorf<sup>2</sup>, (1)University of Missouri, Columbia, MO, (2)Radiology, Neurology, Psychology, and Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO
- 1:00 **40 110.127** Neonatal Morbidity and Risk of Autism Spectrum Disorder (ASD). P. N. Banerjee<sup>1</sup>, E. Jokiranta<sup>2</sup>, A. Partanen<sup>2</sup>, K. M. Lampi<sup>3</sup>, I. W. McKeague<sup>4</sup>, A. Sourander<sup>5</sup> and A. S. Brown<sup>6</sup>, (1)Unit 23, Columbia University, New York, NY, (2)University of Turku, Turku, Finland, (3)Itainen Pitkakatu 1, University of Turku, Turku, Finland, (4)New York, NY, (5)Dept. of Child Psychiatry, University of Turku, Turku, Finland, (6)Dept. of Psychiatry, College of Physicians and Surgeons of Columbia University, NYSPI, New York, NY
- 2:00 **41 110.128** A Preliminary Investigation of Prematurity Status and Clinical Presentation In Children with Autism Spectrum Disorders. K. B. Hornbeak<sup>1</sup>, R. A. Libove<sup>2</sup>, J. M. Phillips<sup>3</sup>, A. A. Penn<sup>4</sup>, K. J. Parker<sup>2</sup> and A. Y. Hardan<sup>2</sup>, (1)Child and Adolescent Psychiatry, Stanford University School of Medicine, Stanford, CA, (2)Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, CA, (3)Stanford University School of Medicine/Lucile Packard Children's Hospital, Stanford, CA, (4)Neonatology and Developmental Biology, Stanford University School of Medicine, Palo Alto, CA
- 3:00 **42 110.129** Cesarean Birth and Autism Spectrum Disorder. C. K. Walker<sup>1</sup>, P. Krakiowiak<sup>2</sup>, A. S. Baker<sup>3</sup>, R. L. Hansen<sup>4</sup>, S. Ozonoff<sup>5</sup> and I. Hertz-Picciotto<sup>6</sup>, (1)Obstetrics & Gynecology, UC Davis, Sacramento, CA, (2)Public Health Sciences, UC Davis, Sacramento, CA, (3)Public Health Sciences, UC Davis, Davis, CA, (4)Pediatrics, M.I.N.D. Institute, UC Davis, Sacramento, CA, (5)Psychiatry and Behavioral Sciences, M.I.N.D. Institute, UC Davis, Sacramento, CA, (6)Public Health Sciences, M.I.N.D. Institute, UC Davis, Davis, CA
- 1:00 **43 110.130** Birth Weight Characteristics and Risk of Autism In Finland. K. M. Lampi<sup>1</sup>, A. Partanen<sup>2</sup>, P. N. Banerjee<sup>3</sup>, A. S. Brown<sup>4</sup> and A. Sourander<sup>1</sup>, (1)Dept. of Child Psychiatry, University of Turku, Turku, Finland, (2)University of Turku, Turku, Finland, (3)Unit 23, Columbia University, New York, NY, United States, (4)Dept. of Psychiatry, College of Physicians and Surgeons of Columbia University, NYSPI, New York, NY
- 2:00 **44 110.131** Effect of Suboptimal Breastfeeding on Occurrence of Autism: A Case Control Study. Y. Alfarsi<sup>1</sup>, M. M. Al-Sharbaty, M. I. Waly, O. A. Al-Farsi, M. Al-Shafae and M. M. Al-Khaduri, Sultan Qaboos University, Muscat, Oman

- 3:00 **45 110.132** A Preliminary Examination of Maternal Depression In Mothers of Infants at Risk for ASD. F. Martinez-Pedraza<sup>1</sup>, T. W. Soto<sup>2</sup>, M. Maye<sup>3</sup> and A. S. Carter<sup>4</sup>, (1)University of Massachusetts, Boston, Boston, MA, (2)University of Massachusetts, Boston, (3)Psychology, University of Massachusetts - Boston, Boston, MA, (4)University of Massachusetts Boston, Boston, MA
- 1:00 **46 110.133** Selected Vitamin D Metabolic Gene Variants and Risk for Autism Spectrum Disorders In the CHARGE Study. R. J. Schmidt<sup>1</sup>, R. L. Hansen<sup>2,3</sup>, J. Hartiala<sup>4</sup>, H. Allayee<sup>4</sup>, L. C. Schmidt<sup>5</sup>, F. Tassone<sup>5</sup> and I. Hertz-Picciotto<sup>1</sup>, (1)Department of Public Health Sciences, University of California Davis, Davis, CA, (2)University of California, Davis, MIND Institute, Sacramento, CA, (3)MIND Institute and Dept. of Pediatrics, University of California Davis, Davis, CA, (4)Department of Preventive Medicine, Institute for Genetic Medicine, University of Southern California Keck School of Medicine, Los Angeles, CA, (5)Department of Biochemistry and Molecular Medicine, University of California Davis School of Medicine, Davis, CA
- 2:00 **47 110.134** Yield of Routine Fragile-x Screen In Children with Autism, Is It Cost Effective?. S. M. Al Salehi<sup>1</sup>, King Fahd Medical City, Riyadh, Saudi Arabia
- 3:00 **➤ 48 110.135** Medical Problems Co-Occur with Autism Spectrum Disorders and Affect the Clinical Presentation. D. A. Zachor<sup>1</sup> and E. Ben Itzhak<sup>2</sup>, (1)Tel Aviv University / Assaf Harofeh Medical Center, Zerifin, Israel, (2)Communication Disorders, Ariel University Center/ Assaf Harofeh Medical Center, Givat Shmuel, Israel
- 1:00 **49 110.136** ASD Co-Occurring Conditions and Change of ASD Diagnosis. H. Close<sup>1</sup>, L. C. Lee<sup>1</sup> and C. N. Kaufmann<sup>2</sup>, (1)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (2)Department of Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 2:00 **50 110.137** Evidence Indicating That Desulfovibrio Species May Play An Important Role In Autism, Pilot Study. S. Finegold<sup>1</sup>, J. A. Green<sup>2</sup>, S. Dowd<sup>3</sup>, D. Granpeesheh<sup>4</sup>, J. Tong<sup>5</sup> and P. H. Summanen<sup>5</sup>, (1)Los Angeles, CA, (2)The Evergreen Center, Oregon City, OR, (3)MBRI, Lubbock, TX, (4)Center for Autism and Related Disorders, Tarzana, CA, (5)VAMC WLA, Los Angeles, CA
- 3:00 **➤ 51 110.138** Autism In An American Indian and Alaska Native Sample: The Contribution of Demographic Characteristics, Levels of Acculturation, and Cultural Values and Beliefs on Service Utilization. J. Wendt<sup>1</sup> and A. J. Lincoln<sup>2</sup>, (1)San Diego, CA, (2)Alliant International University; Center for Autism Research, Evaluation and Service, San Diego, CA
- 1:00 **52 110.139** The Relationship of US Autistic Disorder Change-points to Proposed Environmental and Sociologic Causes. M. LaMadrid<sup>1</sup>, C. Brown and T. A. Deisher, Sound Choice Pharmaceutical Institute, Seattle, WA

Poster Sessions

**110 - Epidemiology: Prevalence, Trajectories, Interventions**

1:00 PM - 5:30 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 1:00 **71 110.092** Age, Period, and Cohort Effects In the Incidence of Autism In California From 1994 to 2005. K. M. Keyes<sup>1</sup> and P. S. Bearman, Columbia University, New York, NY
- 2:00 **➤ 72 110.093** Diagnosis Stories: Narrative Approaches to Understanding African American Mothers' Experiences of Their Children's ASD. M. C. Lawlor<sup>1</sup> and O. Solomon<sup>2</sup>, (1)Occupational Science and Occupational Therapy, University of Southern California, Los Angeles, CA, (2)1540 Alcazar Street, CHP 133, University of Southern California, Los Angeles, CA
- 3:00 **73 110.094** Extending Social Competence Intervention (SCI) for Adolescents with HFA/AS into Schools. K. V. O'Connor<sup>1</sup>, S. McGhee<sup>1</sup>, S. Leinert<sup>1</sup>, M. Herzog<sup>1</sup> and J. P. Stichter<sup>2</sup>, (1)University of Missouri, Columbia, MO, (2)University of Missouri, Columbia, MO
- 1:00 **74 110.095** The Disappearing Seasonality of Autism Conceptions In California. S. Mazumdar<sup>1</sup>, Columbia University, New York, NY
- 2:00 **75 110.096** The Role of Parental Expectations In Predicting Post-High School Outcomes for Youth with ASD. J. L. Taylor<sup>1</sup> and P. Shattuck<sup>2</sup>, (1)Vanderbilt Kennedy Center, Nashville, TN, (2)George Warren Brown School of Social Work, Washington University, St. Louis, MO
- 3:00 **➤ 76 110.097** The Prevalence of Autism Spectrum Disorder In An Israeli Population. M. Davidovitch<sup>1</sup> and B. Hemo<sup>2</sup>, (1)Child Development Center, Maccabi Healthcare Services, Rishon Lezion, Israel, (2)Research, Maccabi Healthcare Services, Tel Aviv, Israel
- 1:00 **➤ 77 110.098** Prevalence of Autism Spectrum Disorders In Hispanic and Non-Hispanic White Children. A. Pedersen y Arbona<sup>1</sup>, S. Pettygrove<sup>2</sup> and C. M. Cuniff<sup>3</sup>, (1)Department of Pediatrics , University of Arizona, Tucson, AZ, (2)College of Public Health, University of Arizona, Tucson, AZ, (3)University of Arizona College of Medicine, Tucson, AZ
- 2:00 **78 110.099** Completeness of Case Ascertainment for Surveillance of Autism Spectrum Disorders Using the Autism Developmental Disabilities Monitoring Network Methodology. J. S. Nicholas<sup>1</sup>, L. A. Carpenter<sup>2</sup>, L. B. King<sup>2</sup>, W. Jenner<sup>2</sup> and J. Charles<sup>2</sup>, (1)Medical University of South Carolina, Charleston, SC, (2)Medical University of South Carolina, Charleston, SC
- 3:00 **79 110.100** Psychotherapeutic Medication Use In Children with Autism In the State of Kentucky. P. G. Williams<sup>1</sup>, C. Woods, M. Stevenson, D. Davis, P. Radmacher, K. Sikes and M. Smith, Pediatrics, University of Louisville, Louisville, KY
- 1:00 **80 110.101** Change Over Time of the Reported Educational Disability of Children with An Autism Spectrum Disorder. W. Jenner<sup>1</sup>, J. S. Nicholas<sup>2</sup>, L. A. Carpenter<sup>2</sup>, J. Charles<sup>2</sup> and L. B. King<sup>2</sup>, (1)Medical University of South Carolina, Charleston, SC, (2)Medical University of South Carolina, Charleston, SC

- 2:00 **81 110.102** Parent-Reported Prevalence of Autism Spectrum Disorders in US-Born Children: An Assessment of Changes within Birth Cohorts from the 2003 to the 2007 National Survey of Children's Health. L. A. Schieve<sup>1</sup>, C. E. Rice<sup>1</sup>, M. Yeargin-Allsop<sup>1</sup>, C. A. Boyle<sup>1</sup>, M. D. Kogan<sup>2</sup>, C. Drews-Botsch<sup>3</sup> and O. Devine<sup>1</sup>, (1)Centers for Disease Control and Prevention, National Center on Birth Defects and Developmental Disabilities, Atlanta, GA, (2)Maternal and Child Health Bureau, Rockville, MD, (3)Rollins School of Public Health, Emory University, Atlanta, GA
- 3:00 **82 110.103** Autism and Other Developmental Disabilities In Uganda: Household Screening and Pediatric Assessment. A. Kakooza<sup>1</sup>, J. Grether<sup>2</sup>, E. Trevathan<sup>3</sup>, R. L. Hansen<sup>4</sup>, L. A. Croen<sup>5</sup>, K. Ssebelya<sup>6</sup>, K. S. Smith<sup>2</sup>, S. Kiguli<sup>7</sup> and C. Karamagi<sup>8</sup>, (1)Department of Pediatrics, Makerere University, School of Medicine, Kampala, (2)Sequoia Foundation, La Jolla, CA, (3)Office of the Dean, School of Public Health, St. Louis University, St. Louis, MO, (4)MIND Institute and Dept. of Pediatrics, University of California Davis, Davis, CA, (5)Kaiser Permanente Division of Research, Oakland, CA, (6)Makerere College of Health Sciences, Tumaini Child Health Project, Kampala, Uganda, (7)Pediatrics and Child Health, Makerere College of Health Sciences, Kampala, Uganda, (8)Clinical Epidemiology Unit, Makerere College of Health Sciences, Kampala, Uganda
- 1:00 **83 110.104** Epidemiology, Diagnosis, Aetiology and Knowledge about Autism Spectrum Disorders (ASD) In Africa: Perspectives From Literatures Cited In Pubmed Over the Last Decade (2000 - 2009). M. O. Bakare<sup>1</sup> and K. Munir<sup>2</sup>, (1)Upper Chime, New Haven, Federal Neuro-Psychiatric Hospital, Upper Chime, New Haven, Enugu, Enugu State, Nigeria, Enugu, Nigeria, (2)Department of Psychiatry, Developmental Medicine Center, Boston Children's Hospital, 300 Longwood Avenue, Boston, MA
- 2:00 **84 110.105** Differences In Autism Spectrum Disorder Assessment and Intervention In Rural, Urban, and Suburban Areas. M. Wojnaroski<sup>1</sup>, T. A. Perez<sup>2</sup>, K. C. Guest<sup>3</sup> and S. E. O'Kelley<sup>4</sup>, (1)Psychiatry, University of Alabama at Birmingham, Birmingham, AL, (2)University of Alabama at Birmingham, Birmingham, AL, (3)Psychology, University of Alabama at Birmingham, Birmingham, AL, (4)UAB Civitan-Sparks Clinics, Birmingham, AL
- 3:00 **85 110.106** Characteristics of Ethnically and Socioeconomically Diverse Underserved Families of Young Children with Autism. E. Vanderbilt-Adriance<sup>1</sup>, R. Oti<sup>1</sup>, A. Bohlander<sup>1</sup>, Y. Nelson<sup>1</sup> and F. Orlich<sup>2</sup>, (1)Child Psychiatry, Seattle Children's Hospital and Research Institute, Seattle, WA, (2)Psychiatry, University of Washington/Seattle Children's Hospital, Seattle, WA
- 1:00 **86 110.107** The Spatial Structure of Autism Spectrum Disorders In Utah. A. V. Bakian<sup>1</sup>, J. P. Zimmerman and W. M. McMahon, Department of Psychiatry, University of Utah, Salt Lake City, UT
- 2:00 **87 110.108** Phenotypic Heterogeneity of Autism Spectrum Disorders and Its Association with Early Identification In a US Population-Based Study. M. J. Maenner<sup>1</sup>, C. M. Cunniff<sup>2</sup>, E. Giarelli<sup>3</sup>, L. C. Lee<sup>4</sup>, J. S. Nicholas<sup>5</sup>, C. E. Rice<sup>6</sup>, L. A. Schieve<sup>6</sup>, M. S. Wingate<sup>7</sup> and M. S. Durkin<sup>8</sup>, (1)University of Wisconsin-Madison, Madison, WI, (2)University of Arizona College of Medicine, Tucson, AZ, United States, (3)School of Nursing, University of Pennsylvania, Philadelphia, PA, (4)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (5)Medical University of South Carolina, Charleston, SC, United States, (6)Centers for Disease Control and Prevention, National Center on Birth Defects and Developmental Disabilities, Atlanta, GA, (7)University of Alabama at Birmingham, Birmingham, AL, (8)University of Wisconsin-Madison, Madison, WI
- 3:00 **88 110.109** Developmental Regression In Children with Autism Spectrum Disorders. L. A. Carpenter<sup>1</sup>, C. A. Cheely<sup>2</sup>, J. S. Nicholas<sup>1</sup>, J. Charles<sup>1</sup>, W. Jenner<sup>1</sup> and L. B. King<sup>1</sup>, (1)Medical University of South Carolina, Charleston, SC, United States, (2)Medical University of South Carolina, Charleston, SC
- 1:00 **89 110.110** Prevalence of Regression within AUTISM Spectrum Disorders: A Quantitative Synthesis. B. Barger<sup>1</sup>, J. Campbell<sup>2</sup> and J. Donald<sup>1</sup>, (1)The University of Georgia, Athen, GA, (2)University of Georgia, University of Georgia, Athens, GA
- 2:00 **90 110.111** The Relation of Language Disorder and Developmental Delay to Timing of ASD Diagnosis. H. Patel<sup>1</sup>, J. Shenouda<sup>2,3</sup>, P. Khandge<sup>2</sup>, S. Mahabir<sup>4</sup>, R. Baltus<sup>5</sup>, N. Scotto-Rosato<sup>6</sup>, S. Howell<sup>6</sup> and W. Zhorodny<sup>7</sup>, (1)Room 625, Newark, NJ, (2)Pediatrics, UMDNJ, Newark, NJ, (3)Pediatrics, New Jersey Medical School, Newark, NJ, (4)UMDNJ, Newark, NJ, (5)Newark, NJ, United States, (6)NJ State Health Department, Trenton, NJ, (7)New Jersey Medical School, Newark, NJ
- 3:00 **91 110.112** The Prevalence of Youth with Autism Spectrum Disorders In the Juvenile Justice System. C. A. Cheely<sup>1</sup>, L. B. King<sup>2</sup>, E. J. Letourneau<sup>3</sup>, J. S. Nicholas<sup>2</sup>, J. Charles<sup>2</sup>, W. Jenner<sup>2</sup> and L. A. Carpenter<sup>2</sup>, (1)Medical University of South Carolina, Charleston, SC, (2)Medical University of South Carolina, Charleston, SCs, (3)Family Services Research Center Medical University of South Carolina, Charleston, SC
- 1:00 **92 110.113** Autism and Delinquent Behaviour. A. van der Reijken<sup>1</sup> and I. A. van Berckelaer-Onnes<sup>2</sup>, (1)Centrum Autisme Leiden, Sassenheim, Netherlands, (2)Clinical Child and Adolescent Studies, Leiden University, Leiden, Netherlands
- 2:00 **93 110.114** Prescription Drug Utilization and Associated Costs Among Children with Case-Defined Autism Spectrum Disorders. S. L. Logan<sup>1</sup>, J. S. Nicholas<sup>2</sup>, L. B. King<sup>2</sup>, L. A. Carpenter<sup>2</sup> and J. Charles<sup>2</sup>, (1)Ste 303, Medical University of South Carolina, Charleston, SC, (2)Medical University of South Carolina, Charleston, SC
- 3:00 **94 110.115** Quality of Life Among Families of School-Age Children with An Autism Spectrum Disorder In the United States. R. V. Whitney<sup>1</sup>, L. Kalb<sup>2</sup>, B. H. Freedman<sup>2</sup> and L. C. Lee<sup>3</sup>, (1)Center for Autism and Related Disorders, Kennedy Krieger Institute, Towson, MD, (2)Kennedy Krieger Institute, Baltimore, MD, (3)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

- 1:00 ➤ **95 110.116** Caring for An Autistic Child: Quality of Life of Caregivers In the State of Qatar. N. Kheir<sup>1</sup>, O. M. Ghoneim<sup>1</sup>, M. S. Al Ismail<sup>2</sup>, S. A. Hayder<sup>2</sup>, A. L. Sandridge<sup>3</sup>, I. Shafeeullah<sup>4</sup> and F. T. Al-Rawi<sup>5</sup>, (1)College of Pharmacy, Qatar University, Doha, Qatar, (2)Qatar University, Doha, Qatar, (3)Shafallah Centre for Children with Special Needs , Doha, Qatar, (4)Shafallah Centre for Children with Special Needs, Doha, Qatar, (5)Children Rehabilitation Section, Hamad Medical Corporation, Doha, Qatar
- 2:00 **96 110.117** Examining Parent Readiness for Diagnosis and Social Support In a Community-Based Screening Sample. M. E. Villalobos<sup>1</sup> and J. S. Miller<sup>2</sup>, (1)Yale Child Study Center, New Haven, CT, (2)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA
- 3:00 **97 110.118** Determinants of Survey Completion In Online Autism Research. P. A. Law<sup>1</sup> and L. Kalb, Kennedy Krieger Institute, Baltimore, MD
- 1:00 ➤ **98 110.119** Parental Beliefs about the Etiology of Autism In a Population-Based Study. L. W. Wang<sup>1</sup>, V. A. Chaidez<sup>2</sup>, E. Fernandez y Garcia<sup>3</sup>, P. Krakowiak<sup>4</sup>, I. Hertz-Picciotto<sup>2</sup> and R. L. Hansen<sup>1</sup>, (1)University of California, Davis, MIND Institute, Sacramento, CA, (2)University of California, Davis, Davis, CA, (3)University of California, Davis, School of Medicine, Sacramento, CA, (4)University of California, Davis, Sacramento, CA
- 2:00 ➤ **99 110.120** Brazilian Scientific Production about Autism Spectrum Disorders. C. de Paula<sup>1</sup> and M. C. Teixeira<sup>2</sup>, (1)Mackenzie Presbyterian University, São Paulo, Brazil, (2)São Paulo, Brazil

**Poster Sessions**

**110 - Epidemiology: Detection and Screening**

1:00 PM - 5:30 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 1:00 **53 110.140** Validating ASD Instruments for Use In Screening and Prevalence Studies. F. Scott<sup>1</sup>, T. S. Brugha<sup>2</sup>, J. Bankart<sup>3</sup> and J. Smith<sup>2</sup>, (1)Autism Research Centre, Cambridge, United Kingdom, (2)Department of Health Sciences, University of Leicester, Leicester, United Kingdom, (3)Psychiatry department, University of Leicester, Leicester, United Kingdom
- 2:00 **54 110.141** A Preliminary Analysis of the Ages and Stages Questionnaire (ASQ) Compared to the Modified Checklist for Autism In Toddlers - Revised (M-CHAT-R). S. Hardy<sup>1</sup>, K. Knoch<sup>1</sup>, J. Green<sup>1</sup>, M. Barton<sup>2</sup>, T. Dumont-Mathieu<sup>1</sup> and D. A. Fein<sup>1</sup>, (1)Department of Psychology, University of Connecticut, Storrs, CT, (2)University of Connecticut, Storrs, CT
- 3:00 **55 110.142** "True Misses" : The Characteristics of Missed Screening Cases. C. Chlebowski<sup>1</sup>, L. E. Herlihy<sup>1</sup>, D. L. Robins<sup>2</sup>, M. Barton<sup>3</sup> and D. A. Fein<sup>3</sup>, (1)University of Connecticut , Storrs, CT, (2)Georgia State University, Atlanta, GA, (3)University of Connecticut, Storrs, CT

- 1:00 **56 110.143** False Positives to the M-CHAT In An Italian Population. E. Salomone<sup>1</sup>, P. F. M. Molina<sup>2</sup>, A. Narzisi<sup>3</sup> and F. Muratori<sup>4</sup>, (1)Department of Psychology, University of Turin, Torino, Italy, (2)Department of Psychology, University of Turin, Turin, (3)Division of Child Neurology and Psychiatry, University of Pisa - Stella Maris Scientific Institute, Pisa, Italy, (4)Division of Child Neurology and Psychiatry, University of Pisa - Stella Maris Scientific Institute, Calambrone (Pisa), Italy
- 2:00 **57 110.144** M-CHAT & STAT: The Effectiveness of Multi-Level Screening for ASD. M. Khowaja<sup>1</sup>, D. L. Robins and L. B. Adamson, Georgia State University, Atlanta, GA
- 3:00 **58 110.145** Predictive Value of Red Flags for Communication at 6 and at 12 Months for M-CHAT Results at 18 Months In Children with Autism Spectrum Disorders. R. Maxim, MD<sup>1</sup>, E. Judd<sup>2</sup>, L. Eversmeyer<sup>2</sup>, D. Swann<sup>2</sup>, P. Deutsch<sup>2</sup>, C. Guild<sup>3</sup>, N. Tamirisa<sup>2</sup>, M. W. Baig<sup>2</sup>, S. Stewart<sup>4</sup>, A. Nay<sup>4</sup>, T. Maxim<sup>2</sup>, H. Klein<sup>2</sup> and E. S. Armbrrecht<sup>3</sup>, (1)Saint Louis University, Clayton, MO, (2)SSM Cardinal Glennon Children's Hospital, St. Louis, MO, (3)Center for Outcomes Research and Department of Pediatrics., Saint Louis University, St. Louis, MO, (4)Saint Louis University, St. Louis, MO
- 1:00 **59 110.146** Using the M-CHAT Best 7 Score In Screening for Autism Spectrum Disorders In Young Children Referred for Developmental Assessment. S. E. O'Kelley<sup>1</sup>, K. C. Guest<sup>2</sup>, M. K. McCalla<sup>3</sup>, M. Wojnaroski<sup>4</sup>, K. J. Bailey<sup>5</sup>, E. M. Griffith<sup>6</sup> and F. J. Biasini<sup>2</sup>, (1)UAB Civitan-Sparks Clinics, Birmingham, AL, (2)Psychology, University of Alabama at Birmingham, Birmingham, AL, (3)University of Alabama at Birmingham, Birmingham, AL, (4)Psychiatry, University of Alabama at Birmingham, Birmingham, AL, (5)Glenwood Autism and Behavioral Health Center, Inc., Birmingham, AL, (6)University of Colorado at Denver, Aurora, CO
- 2:00 **60 110.147** Screening for Autism Spectrum Disorder at 18 Vs. 30 Months In Extremely Preterm Infants. B. E. Stephens<sup>1</sup>, V. E. Watson<sup>2</sup>, R. Tucker<sup>2</sup>, S. J. Sheinkopf<sup>1</sup> and B. R. Vohr<sup>1</sup>, (1)The Warren Alpert Medical School of Brown University, Providence, RI, (2)Women and Infants Hospital, Providence, RI
- 3:00 **61 110.148** Validation of a Questionnaire Based Checklist Identifying 3 Year Olds with Delayed Language In a Prospective Birth Cohort. S. Schjolberg<sup>1</sup>, M. Bresnahan<sup>2</sup>, A. S. Oyen<sup>3</sup>, M. Hornig<sup>2</sup>, H. Aase<sup>4</sup>, N. Gunnes<sup>5</sup>, N. Stenberg<sup>6</sup>, P. Surén<sup>7</sup>, P. Eadie<sup>8</sup>, K. K. Lie<sup>9</sup>, C. Roth<sup>10</sup>, E. H. Alsaker Roti<sup>11</sup>, T. Reichborn-Kjennerud<sup>12</sup>, E. Susser<sup>2</sup>, P. Magnus<sup>2</sup>, W. I. Lipkin<sup>2</sup> and C. Stoltenberg<sup>7</sup>, (1)Division of Mental Health, Norwegian Institute of Public Health, Oslo, Norway, (2)Columbia University, New York, NY, (3)Lovisenberg Hospital, Norwegian Institute of Public Health, Oslo, Norway, (4)Mental Health, Norwegian Institute of Public Health, Oslo, Norway, (5)Epidemiology, Norwegian Institute of Public Health, Oslo, Norway, (6)National Health Institute, Norway, Oslo, (7)Norwegian Institute of Public Health, Oslo, (8)University of Melbourne, Melbourne, Australia, (9)Epidemiology, Norwegian Institute of Public Health, OSlo, Norway, (10)Norwegian Insitute of Public Health, Oslo, Norway, (11)Medical Birth Registry, Norwegian Institute of Public Health, Bergen, Norway, (12)Adult Mental Health, Norwegian Institute of Public Health, Oslo, Norway

- 1:00 **62 110.149** Relationship Between Screening Measures and Symptom Severity In Young Children Evaluated for An Autism Spectrum Disorder. K. C. Guest<sup>1</sup>, S. E. O'Kelley<sup>2</sup>, M. Wojnaroski<sup>3</sup>, M. K. McCalla<sup>4</sup> and F. J. Biasini<sup>1</sup>, (1)Psychology, University of Alabama at Birmingham, Birmingham, AL, (2)UAB Civitan-Sparks Clinics, Birmingham, AL, (3)Psychiatry, University of Alabama at Birmingham, Birmingham, AL, (4)University of Alabama at Birmingham, Birmingham, AL
- 2:00 **63 110.150** Early Identification of Autism: Development and Evaluation of An Online Training Program for Mothers and Child Care Providers. K. L. Thorsen<sup>1</sup> and W. A. Goldberg, Psychology and Social Behavior, University of California, Irvine, CA
- 3:00 **64 110.151** Evaluating a Training Model for the Use of Enhanced Diagnostic Screening Measures within Community Pediatric Practice. E. H. Dohrmann<sup>1</sup>, Q. Humberd<sup>2</sup> and Z. Warren<sup>3</sup>, (1)TRIAD, Vanderbilt University, Nashville, TN, (2)Blanchfield Army Community Hospital, Fort Cambell, KY, United States, (3)2400 Highland Ave, Vanderbilt University, Nashville, TN
- 1:00 **➤ 65 110.152** Aka (Assessment Kit for Autism): Preliminary Development of an Indian Screen for Young Children. N. Singhal<sup>1</sup>, Pocket 7 & 8, Jasola Vihar, Action For Autism, New Delhi, India
- 1:00 **➤ 66 110.153** Early Identification of Autism Spectrum Disorders In Brazilian Day Care Centers. C. de Paula<sup>1</sup>, L. C. Zaquero<sup>2</sup> and M. C. Teixeira<sup>3</sup>, (1)Mackenzie Presbyterian University, São Paulo, Brazil, (2)Mackenzie Presbyterian University, São Paulo, Brazil, (3)São Paulo, Brazil
- 3:00 **67 110.154** Rapid, Feasible Observational Paradigm for Confirmation of Autism Spectrum Disorders. A. Abbacchi<sup>1</sup>, Y. Zhang<sup>2</sup> and J. N. Constantino<sup>2</sup>, (1)Washington University School of Medicine, St. Louis, MO, (2)Washington University School of Medicine, Saint Louis, MO
- 1:00 **68 110.155** Utility of the SCQ In Predicting Clinician Concerns for ASD In An Outpatient Sample. A. B. Ratto<sup>1</sup>, A. J. Freeman<sup>2</sup>, J. Kogos Youngstrom<sup>2</sup>, T. W. Frazier<sup>3</sup>, R. Findling<sup>4</sup> and E. A. Youngstrom<sup>5</sup>, (1)Psychology, University of North Carolina, Chapel Hill, NC, (2)Psychology, UNC-Chapel Hill, Chapel Hill, NC, (3)Cleveland Clinic, Cleveland, OH, United States, (4)University Hospitals Case Medical Center, Cleveland, OH, (5)University of North Carolina at Chapel Hill, Chapel Hill, NC
- 2:00 **69 110.156** Short (10-item) Versions of the Autism Spectrum Quotient (AQ) as 'Red Flags' In Identifying Children, Adolescents, and Adults with Autism Spectrum Conditions. C. Allison<sup>1</sup>, B. Auyeung and S. Baron-Cohen, Autism Research Centre, University of Cambridge, Cambridge, United Kingdom
- 3:00 **70 110.157** Identifying Autism Spectrum Disorders In Adults with Intellectual Disability: The Validity of the Social Communication Questionnaire. W. T. Brooks<sup>1</sup> and B. A. Benson<sup>2</sup>, (1)1581 Dodd Dr., Columbus, OH, (2)1581 Dodd Dr., Columbus, OH

Poster Sessions

110 - Genetics and Genomics

1:00 PM - 5:30 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 1:00 **100 110.034** Disentangling Genetic and Assortative Mating Effects on Autistic Traits: Findings From the First Extended Twin Family Study In Adults. R. A. Hoekstra<sup>1</sup>, A. A. Vinkhuyzen<sup>2,3</sup>, H. H. Maes<sup>4</sup>, S. van der Sluis<sup>3</sup> and D. Posthuma<sup>5,6</sup>, (1)Faculty of Science, Department of Life Sciences, Open University, Milton Keynes, United Kingdom, (2)Queensland Institute of Medical Research, Brisbane, Australia, (3)Functional Genomics, Center for Neurogenomics and Cognitive Research, VU University, Amsterdam, Netherlands, (4)Viginia Commonwealth University, Richmond, VA, (5)Functional Genomics, Center for Neurogenomics and Cognitive Research, VU University, Amsterdam, Netherlands, (6)Medical Genomics, Center for Neurogenomics and Cognitive Research, VU University, Amsterdam, Netherlands
- 2:00 **101 110.035** Mitochondrial DNA and Anti-mitochondrial Antibodies in Serum of Autistic Children. T. Theoharides<sup>1</sup>, Biochemistry, Pharmacology, Tufts University, Boston, MA
- 3:00 **102 110.036** Mitochondrial Dysfunction in Autism Spectrum Disorders: A Systematic Review and Meta-Analysis. D. Rossignol<sup>1</sup> and R. E. Frye<sup>2</sup>, (1)International Child Development Resource Center, Melbourne, FL, United States, (2)University of Texas Houston Health Science Center, Houston, TX
- 1:00 **103 110.037** SFARI Base: An Adaptable Informatics Infrastructure for the Simons Simplex Collection. S. B. Johnson<sup>1</sup>, L. Rozenblit<sup>2</sup> and D. Voccola<sup>3</sup>, (1)Biomedical Informatics, Columbia University, New York, NY, (2)Research Informatics Services, Prometheus Research, LLC, New Haven, CT, (3)Prometheus Research, LLC, New Haven, CT
- 2:00 **104 110.038** IAN Genetics: An Automated Web-Based System for Rapid Phenotyping, Enrollment, and Genetic Sample Collection. A. R. Marvin<sup>1</sup>, H. Lee<sup>2</sup>, J. Nestle<sup>1</sup>, J. N. Constantino<sup>3</sup>, C. Anderson<sup>1</sup>, T. Zandi<sup>1</sup>, E. Yahudah<sup>1</sup>, S. S. Marvin<sup>1</sup>, J. K. Law<sup>1</sup>, P. A. Law<sup>1</sup> and S. F. Nelson<sup>2</sup>, (1)Kennedy Krieger Institute, Baltimore, MD, (2)UCLA, Los Angeles, CA, (3)Washington University School of Medicine, Saint Louis, MO
- 3:00 **105 110.039** Genomics Tool Allowing Data Aggregation Across Projects and Repositories In Autism Spectrum Disorder Research. S. I. Novikova<sup>1</sup>, D. Hall<sup>2</sup>, L. Tatarov<sup>3</sup>, M. McAuliffe<sup>4</sup> and M. F. Huerta<sup>5</sup>, (1)National Institute of Mental Health, Rockville, MD, (2)National Institute of Mental Health (NIMH), Rockville, MD, United States, (3)NIH CIT, NIH Centers for Information Technology, Bethesda, MD, (4)CIT, NIH Center for Information Technology, Bethesda, MD, (5)The Office of Technology Development and Coordination, National Institute of Mental Health, Bethesda, MD
- 1:00 **106 110.040** Building a Modular Database for Autism Research. S. B. Basu<sup>1</sup>, A. Kumar and E. Larsen, MindSpec Inc., McLean, VA
- 2:00 **107 110.041** Developmental Trajectories of Autism Spectrum Features and Sensory Behaviors In Angelman Syndrome. S. U. Peters<sup>1</sup> and R. Hundley<sup>2</sup>, (1)Pediatrics, Vanderbilt University; Kennedy Center for Research on Human Development, Nashville, TN, (2)Pediatrics, Vanderbilt University, Nashville, TN



- 3:00 **108 110.042** Genetic Abnormalities In People with Autism Spectrum Disorder Presenting to Clinical Services. D. M. Robertson<sup>1</sup>, E. Wilson<sup>2</sup>, C. M. Murphy<sup>3</sup>, M. J. Doyle<sup>4</sup>, D. Spain<sup>5</sup>, C. Ecker<sup>6</sup>, E. Daly<sup>7</sup> and D. G. Murphy<sup>6</sup>, (1)Behavioural and Developmental Clinical Academic Group, South London and Maudsley NHS Trust, London, United Kingdom, (2)King's College London, London, United Kingdom, (3)King's College London, Institute of Psychiatry, London, (4)Institute of Psychiatry, London, United Kingdom, (5)south london and maudsley nhs foundation trust, se5 8af, (6)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom, (7)Department of Forensic and Neurodevelopmental Sciences, King's College London, Institute of Psychiatry, London, United Kingdom
- 1:00 **109 110.043** Genetic Analysis of Social Responsiveness and Head Circumference as Endophenotypes for Autism Spectrum Disorders. J. K. Lowe<sup>1</sup>, R. A. Mar-Heyming<sup>1</sup>, S. J. Spence<sup>2</sup>, R. M. Cantor<sup>3</sup> and D. H. Geschwind<sup>1</sup>, (1)Center for Neurobehavioral Genetics, University of California, Los Angeles, Los Angeles, CA, (2)Pediatrics & Developmental Neuroscience Branch, National Institute of Mental Health, Bethesda, MD, (3)Human Genetics, University of California, Los Angeles, CA
- 2:00 **110 110.044** Chromosomal Microarray Analysis In Patients with Confirmed Diagnosis of Autism Spectrum Disorder: Diagnostic Yield and Clinical Characteristics. S. G. McGrew<sup>1</sup>, B. R. Peters<sup>2</sup>, J. A. Crittendon<sup>1</sup> and J. Veenstra-VanderWeele<sup>3</sup>, (1)Pediatrics, Monroe Carell Children's Hospital at Vanderbilt, Nashville, TN, (2)Pediatrics, Monroe Carell Childrens Hospital at Vanderbilt University, Nashville, TN, (3)Psychiatry, Monroe Carell Children's Hospital at Vanderbilt University, Nashville, TN
- 3:00 **111 110.045** Genotype-Phenotype Associations In Response to the Intruder Paradigm for Humans. P. D. Chamberlain<sup>1</sup>, N. K. Jamison<sup>1</sup>, K. Taylor<sup>2</sup>, R. J. Robison<sup>3</sup>, P. Wilson<sup>3</sup>, T. Newton<sup>1</sup>, S. van Tassel<sup>4</sup>, O. Johnston<sup>5</sup>, M. Christensen<sup>4</sup>, J. D. Higley<sup>4</sup> and M. South<sup>1,4</sup>, (1)Neuroscience, Brigham Young University, Provo, UT, (2)Psychiatry, Virginia Commonwealth University, Richmond, VA, (3)Psychiatry Research Clinic, University of Utah School of Medicine, Salt Lake City, UT, (4)Psychology, Brigham Young University, Provo, UT, (5)School of Accountancy, Brigham Young University, Provo, UT
- 1:00 **112 110.046** Language and Neuropsychological Evaluations In Maternal Int Dup (15) Autism Cases. N. Urraca<sup>1</sup>, J. E. Cleary<sup>2</sup>, V. Brewer<sup>3</sup>, K. A. McVicar<sup>4</sup>, E. Pivnick<sup>3</sup> and L. Reiter<sup>5</sup>, (1)Neurology, UTHSC, Memphis, TN, (2)The University of Memphis, The University of Memphis, Memphis, TN, United States, (3)Pediatrics, UTHSC, Memphis, TN, (4)University of Tennessee Health Sciences Center-Memphis, Memphis, TN, United States, (5)University of Tennessee Health Science Center, Memphis, TN, United States
- 2:00 **113 110.047** Identification of Molecular Pathways Associated with Autism by Genome Wide Expression Profiling of Lymphoblasts From Autism Patients. R. Luo<sup>1</sup>, I. Voineagu<sup>2</sup>, R. A. Mar-Heyming<sup>2</sup>, J. Ou<sup>3</sup> and D. H. Geschwind<sup>4</sup>, (1)Human Genetics, University of California, Los Angeles, Los Angeles, CA, (2)Program in Neurogenetics, University of California, Los Angeles, Los Angeles, CA, (3)Neurology, UCLA, Los Angeles, CA, (4)Center for Neurobehavioral Genetics, University of California, Los Angeles, CA
- 3:00 **114 110.048** Characterization of Hotspot Motif Matches In Exons of Autism-Associated Genes In the X-Chromosome. N. Doan<sup>1</sup>, A. Ard<sup>2</sup>, M. LaMadrid<sup>3</sup> and T. A. Deisher<sup>3</sup>, (1)Seattle University, Seattle, WA, (2)Portland, OR, United States, (3)Sound Choice Pharmaceutical Institute, Seattle, WA
- 1:00 **115 110.049** ERP Error Related Negativity as a Specific Phenotype for Candidate Gene Associations In ASD. N. K. Jamison<sup>1</sup>, R. J. Robison<sup>2</sup>, M. J. Larson<sup>1,3</sup>, P. Wilson<sup>2</sup>, O. Johnston<sup>4</sup> and M. South<sup>1,3</sup>, (1)Neuroscience, Brigham Young University, Provo, UT, (2)Psychiatry Research Clinic, University of Utah School of Medicine, Salt Lake City, UT, (3)Psychology, Brigham Young University, Provo, UT, (4)School of Accountancy, Brigham Young University, Provo, UT
- 2:00 **116 110.050** Genome Scan of Serotonin Levels In Utah Families with Autism Spectrum Disorders. D. Bilder<sup>1</sup>, H. Coon<sup>2</sup>, E. H. Cook<sup>3</sup>, D. Cannon<sup>2</sup>, M. Hobbs<sup>4</sup>, D. Wilkins<sup>5</sup>, R. J. Robison<sup>6</sup> and W. M. McMahon<sup>7</sup>, (1)Utah Autism Research Project, University of Utah, Salt Lake City, UT, (2)Utah Autism Research Project, University of Utah, Salt Lake City, UT, (3)University of Illinois at Chicago, Chicago, IL, (4)Division of Infectious Disease, University of Utah, Salt Lake City, UT, (5)Center for Human Toxicology, Salt Lake City, UT, (6)Psychiatry Research Clinic, University of Utah School of Medicine, Salt Lake City, UT, (7)Department of Psychiatry, University of Utah, Salt Lake City, UT
- 3:00 **117 110.051** Family-Based Association Analysis of Genes Involved In Synaptic Plasticity and Autism. R. Sasanfar<sup>1</sup>, R. Siburian<sup>2</sup>, S. Haddad<sup>2</sup>, M. Ghadami<sup>3</sup>, A. Tolouei<sup>4</sup> and S. L. Santangelo<sup>5</sup>, (1)Department of Psychiatry, Harvard Medical School, Boston, MA, (2)Psychiatric and Neurodevelopmental Genetic Unit, Center for Human Genetic Research, Massachusetts General Hospital, Boston, MA, (3)Research Center, Ministry of Education, Tehran, Iran, (4)Diagnosis and Prevention Center, Special Education Organization, Tehran, Iran, (5)Department of Epidemiology, Harvard School of Public Health, Boston, MA
- 1:00 **118 110.052** Deep Sequencing of MECP2 In Autistic Boys. A. H. Joyner<sup>1</sup>, V. Bansal<sup>2</sup>, R. Tewhey<sup>3</sup>, G. Oliveira<sup>2</sup>, C. Ahrens-barbeau<sup>4</sup>, S. Murray<sup>2</sup>, E. Topol<sup>2</sup>, K. Pierce<sup>5</sup>, E. Courchesne<sup>5</sup> and N. Schork<sup>6</sup>, (1)San Diego, CA, (2)Scripps Genomic Medicine, San Diego, CA, (3)Scripps Genomic Medicine, s, CA, (4)San Diego ACE, San Diego, CA, (5)Neurosciences and UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA, (6)Scripps Research Institute, La Jolla, CA
- 2:00 **119 110.053** Linkage and Association Studies Show Evidence of Neurexin and Neuroligin Involvement In Autism. O. J. Veatch<sup>1</sup>, N. Schnetz-Boutaud<sup>2</sup>, B. M. Anderson<sup>1</sup>, K. Brown-Gentry<sup>1</sup>, H. H. Wright<sup>3</sup>, R. K. Abramson<sup>3</sup>, M. L. Cuccaro<sup>4</sup>, J. R. Gilbert<sup>4</sup>, M. A. Pericak-Vance<sup>5</sup> and J. L. Haines<sup>6</sup>, (1)Center for Human Genetics Research, Vanderbilt University, Nashville, TN, (2)Vanderbilt University, Nashville, TN, (3)Department of Neuropsychiatry, University of South Carolina, Columbia, SC, (4)John P Hussman Institute for Human Genomics, Miami, FL, (5)Hussman Institute for Human Genomics, University of Miami, Miami, FL, (6)Center for Human Genetics, Vanderbilt University, Nashville, TN

- 3:00 **120 110.054** The Expanding Role of the Methyl-CpG-Binding Domain Family In Autism Etiology. H. N. Cukier<sup>1</sup>, B. L. Butler<sup>1</sup>, H. H. Wright<sup>2</sup>, R. K. Abramson<sup>2</sup>, J. L. Haines<sup>3</sup>, M. L. Cuccaro<sup>4</sup>, J. R. Gilbert<sup>4</sup> and M. A. Pericak-Vance<sup>1</sup>, (1)Hussman Institute for Human Genomics, University of Miami, Miami, FL, (2)Department of Neuropsychiatry, University of South Carolina, Columbia, SC, (3)Center for Human Genetics, Vanderbilt University, Nashville, TN, (4)John P Hussman Institute for Human Genomics, Miami, FL
- 1:00 **121 110.055** Loss of Heterozygosity Analysis In Saudi Patients with ASD. J. M. Shinwari<sup>1</sup>, M. Aldosari<sup>2</sup>, A. Almuslamani<sup>2</sup>, A. Adi<sup>1</sup>, D. S. Khalil<sup>1</sup>, N. Abu-Doheim<sup>1</sup>, M. Nester<sup>2</sup>, M. Ghannam<sup>1</sup>, B. F. Meyer<sup>1</sup> and N. Al Tassan<sup>1</sup>, (1)Department of Genetics, King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia, (2)Department of Neurosciences, King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia
- 2:00 **122 110.056** Sex Hormones In Autism: Androgens and Estrogens Differentially and Reciprocally Regulate RORA, a Novel Candidate Gene for Autism. T. Sarachana<sup>1</sup>, M. Xu, W. Ray-Chang and V. Hu, Biochemistry and Molecular Biology, The George Washington University Medical Center, Washington, D.C.
- 3:00 **123 110.057** Association Study of Apoe Polymorphisms and Autism In Puerto Rican Children. J. Montalvo<sup>1</sup>, M. Echegaray<sup>2</sup>, R. E. Oliveras-Rentas<sup>3</sup>, L. Deliz-Bauza<sup>4</sup>, S. F. Acevedo<sup>5</sup>, M. S. Collazo<sup>6</sup>, S. Carlo<sup>7</sup>, L. Alvarado<sup>8</sup>, V. Velazquez<sup>9</sup>, X. Negroni<sup>8</sup>, Y. Hernandez<sup>8</sup> and M. Vazquez-Correa<sup>9</sup>, (1)Child Neurology Program, University of Puerto Rico Medical Sciences, San Juan, PR, (2)Biology Department, University of Puerto Rico-Cayey, Cayey, PR, (3)Department of Psychiatry and Human Behavior, Ponce School of Medicine, Ponce, PR, (4)Ponce School of Medicine and Health Sciences, Clinical Psychology Program, Ponce, PR, (5)Physiology Department, Ponce School of Medicine, Ponce, PR, (6)Physiology Department, Ponce School of Medicine, Ponce, PR, (7)Biochemistry Department, Ponce School of Medicine, Ponce, PR, (8)Pediatrics, St. Luke's Memorial Hospital, Ponce, PR, (9)Child Neurology Program, University of Puerto Rico Medical Sciences Campus, San Juan, PR
- 1:00 **124 110.058** Replication of the Association of a MET Variant with Autism In Chinese Han Samples. X. Zhou<sup>1</sup>, J. Wang<sup>1</sup>, X. Liu<sup>1</sup>, Q. Ayub<sup>2</sup>, X. Wang<sup>1</sup>, C. Tyler-Smith<sup>2</sup>, L. Wu<sup>1</sup> and Y. Xue<sup>2</sup>, (1)Harbin Medical University, Harbin, China, (2)The Wellcome Trust Sanger Institute, Cambridge, United Kingdom

Poster Sessions

**110 - Lifespan, Family, and Educational Issues**

1:00 PM - 5:30 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 1:00 **125 110.158** Parental Attitudes on the Transition to Adulthood in Adolescents with Autism Spectrum Disorders and Other Developmental Disabilities. A. W. Duncan<sup>1</sup>, Cincinnati Children's Hospital Medical Center, Cincinnati, OH
- 2:00 **126 110.159** Latino Families' Daily Experiences with Children with ASD. E. Blanche<sup>1</sup> and S. A. Cermak<sup>2</sup>, (1)Occupational Science and Occupational Therapy, University of Southern California, Los Angeles, CA, (2)University of Southern California, Los Angeles, CA
- 3:00 **127 110.160** Observing Social Inclusion of Children with ASD. S. Mahjouri<sup>1</sup>, J. J. Locke<sup>2</sup>, E. Rotheram-Fuller<sup>3</sup> and C. Kasari<sup>2</sup>, (1)University of California, Los Angeles, Los Angeles, CA, (2)University of California, Los Angeles, Los Angeles, CA, (3)Temple University, Philadelphia, PA
- 1:00 **128 110.161** A Virtual Reality Study of Complex Social-Attention In School-Aged Children with Autism. W. L. Jarrold<sup>1</sup>, M. V. Gwaltney<sup>1</sup>, N. V. Hatt<sup>1</sup>, B. E. Seymour<sup>1</sup>, N. McIntyre<sup>1</sup>, M. Solomon<sup>1,2</sup>, S. Ozonoff<sup>1</sup> and P. C. Mundy<sup>1</sup>, (1)MIND Institute, UC Davis, Sacramento, CA, (2)Department of Psychiatry, MIND Institute, Imaging Research Center, Sacramento, CA
- 2:00 **129 110.162** Are Autistic Traits Associated with Compromised Audiovisual Integration of Socially Relevant Information?. J. P. Thomas<sup>1</sup> and M. Shiffar, Psychology Department, Rutgers University, Newark, NJ
- 3:00 **130 110.163** Attention to Social and Nonsocial Events In Children with Autism Spectrum Disorders: The Role of Stimulus Variability. B. M. Sorondo<sup>1</sup>, L. E. Bahrck and J. Vasquez, Florida International University, Miami, FL
- 1:00 **131 110.164** Effects of Manipulating the Coordination of Gesture and Speech In Computer Animations of Storytelling. F. E. Pollick<sup>1</sup>, A. B. de Marchena<sup>2</sup>, J. A. Gillard<sup>1</sup>, A. M. Nardone<sup>1</sup> and I. M. Eigsti<sup>2</sup>, (1)Psychology, University of Glasgow, Glasgow, United Kingdom, (2)University of Connecticut, Storrs, CT
- 2:00 **132 110.165** Eye Gaze Patterns In Children with and without Autism During Social Exclusion. D. R. Sugrue<sup>1</sup>, D. Z. Bolling, A. C. Voos, E. S. MacDonnell, H. Seib and K. A. Pelphrey, Child Study Center, Yale University, New Haven, CT
- 3:00 **▶ 133 110.166** Identifying Children with Characteristics of Asperger Syndrome In the Special Education Units In Schools In Malacca, Malaysia. K. Amat<sup>1</sup>, University of Strachclyde, Glasgow, United Kingdom
- 1:00 **134 110.167** Inner Speech and Self Ordered Pointing Performance In Autism Spectrum Disorder. P. Tok<sup>1</sup> and J. Low, School of Psychology, Victoria University of Wellington, Wellington, New Zealand
- 2:00 **135 110.168** Temperament and Peer Victimization as Predictors of Facial Emotion Recognition Among Adolescents with and without High-Functioning Autism. L. Sperle<sup>1</sup>, A. R. Neal<sup>1</sup> and T. Wells<sup>2</sup>, (1)University of Texas, Austin, TX, (2)Brown University, Providence, RI

- 3:00 **136 110.169** An Exploration of Using Children's Reasoning about Math to Identify Cognitive Profiles In Autism Spectrum Disorders. C. Piatt<sup>1</sup>, J. Volden and J. Bisanz, University of Alberta, Edmonton, AB, Canada
- 1:00 **137 110.170** Imitation of Maternal Social Communication From 6 to 18 Months In Infants at Risk for Autism. M. R. Thompson<sup>1</sup> and H. Tager-Flusberg, Department of Psychology, Boston University, Boston, MA
- 2:00 **138 110.171** Parsing Heterogeneity In Autism Spectrum Disorder Using Blink Inhibition as a Measure of Social Engagement. S. Shultz<sup>1</sup>, W. Jones<sup>2</sup> and A. Klin<sup>2</sup>, (1)Yale University, New Haven, CT, (2)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA
- 3:00 **139 110.172** The Truth, Nothing but the Truth: When Children with Autism Care Less about Reputation Than Honesty. C. Chevallier<sup>1</sup>, C. Molesworth and F. Happe, Institute of Psychiatry, KCL, London, United Kingdom
- 1:00 **140 110.173** Parenting Behavior Among Parents of Children with Autism Spectrum Disorder. G. Lambrechts<sup>1,2</sup>, K. Van Leeuwen<sup>1</sup>, H. Boonen<sup>1,2</sup>, B. Maes<sup>1</sup> and I. Noens<sup>1,2,3</sup>, (1)Parenting and Special Education Research Group, Katholieke Universiteit Leuven, Leuven, Belgium, (2)Leuven Autism Research, Katholieke Universiteit Leuven, Leuven, Belgium, (3)Psychiatric and Neurodevelopmental Genetics Unit, Massachusetts General Hospital, Boston, MA
- 2:00 **141 110.174** Measuring Reciprocity In High Functioning Children and Adolescents with Autism Spectrum Disorders. T. Backer van Ommeren<sup>1</sup>, S. Begeer<sup>2</sup>, A. M. Scheeren<sup>3</sup> and H. M. Koot<sup>3</sup>, (1)Developmental Psychology, VU University, Amsterdam, Netherlands, (2)VU University, Amsterdam, (3)VU University, Amsterdam, Netherlands
- 3:00 **142 110.175** Assessing Illness Communication and Behaviour In Youths with and without Autism Spectrum Disorders. K. Kalousek<sup>1</sup>, K. Strapps<sup>2</sup> and S. A. Johnson<sup>3</sup>, (1)1355 Oxford St, Dalhousie University, Halifax, NS, Canada, (2)Life Sciences Centre, Dalhousie University, Halifax, NS, Canada, (3)Department of Psychology, Dalhousie University, Halifax, NS, Canada
- 1:00 **143 110.176** Attentional Biases towards Nonsocial Objects Vary as a Function of An Observer's Autistic-Like Traits. C. Joseph<sup>1</sup> and M. Shiffrar, Psychology Department, Rutgers University, Newark, NJ
- 2:00 **144 110.177** Face-Expression Expert System: a New Teaching Program Using Equivalent Relations for Children with Autism Spectrum Disorder. S. Matsuda<sup>1</sup> and J. Yamamoto, Department of Psychology, Keio University, Tokyo, Japan
- 3:00 **145 110.178** Do Children with High-Functioning Autism Spectrum Disorder Have More Difficulty Responding to Maternal Wh-Question Across Languages?. M. Oi<sup>1</sup> and S. F. Huang<sup>2</sup>, (1)13-1 Takaramachi, United Graduate School of Child Development, Osaka University, Kanazawa University, and Hamamatsu University School of Medicine, Kanazawa, Japan, (2)Early Childhood Education, Taitung University, Taitung, Taiwan
- 1:00 **146 110.179** Parental Reports on Pain Reactivity and Pain Expression In Children with Autism Spectrum Disorder. E. G. Duerden<sup>1</sup>, P. A. McGrath<sup>2</sup>, A. Oh<sup>2</sup>, M. J. Taylor<sup>3</sup> and W. Roberts<sup>4,5</sup>, (1)Department of Diagnostic Imaging, The Hospital for Sick Children, Toronto, ON, Canada, (2)The Hospital for Sick Children, Toronto, ON, Canada, (3)Department of Diagnostic Imaging, Hospital for Sick Children, Toronto, ON, Canada, (4)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (5)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada
- 2:00 **147 110.180** Belief Attribution Despite Heavy Verbal Interference In Autism. B. Forgeot d'Arc<sup>1</sup>, C. Chevallier<sup>2</sup>, J. Grèzes<sup>3</sup> and F. Ramus<sup>4</sup>, (1)APHP/CNRS, Paris, France, (2)De Crespigny Park, London, (3)INSERM, Paris, France, (4)CNRS, Paris, France
- 3:00 **148 110.181** Cognitive Skills Promoting Social Adaptation In Autism and Asperger. M. R. Marteleto<sup>1</sup> and J. Perissinoto<sup>2</sup>, (1)São Paulo, SP, Brazil, (2)Universidade Federal de São Paulo, São Paulo, Brazil
- 1:00 **▶ 149 110.182** Eye Movement In Reading for Students with Autism Spectrum Disorders. M. Omori<sup>1</sup> and J. Yamamoto, Department of Psychology, Keio University, Tokyo, Japan
- 2:00 **150 110.183** Parenting-Related Stress and Psychological Distress In Mothers of Toddlers with ASD. E. M. Olson<sup>1</sup>, A. M. Estes<sup>2</sup>, J. N. Greenson<sup>3</sup>, J. Munson<sup>3</sup>, J. Winter<sup>4</sup>, S. E. Zebrowski<sup>5</sup> and G. Dawson<sup>6</sup>, (1)Psychology, University of Washington, Seattle, WA, (2)Speech and Hearing Sciences, University of Washington, Seattle, WA, (3)University of Washington, Seattle, WA, United States, (4)University of Washington, (5)University of Washington, Seattle, WA, (6)University of North Carolina, Autism Speaks, UNC Chapel Hill, Chapel Hill, NC, United States
- 3:00 **151 110.184** A Longitudinal Analysis of Maternal Infant Directed Speech to Preverbal, At-Risk for ASD, Infants. J. Quigley<sup>1</sup>, Dublin, Ireland
- 1:00 **152 110.185** Parsing Heterogeneity In Autism Spectrum Disorders: Visual Scanning of Dynamic Social Scenes In School-Age Children with Autism. G. Ramsay<sup>1</sup>, K. A. Rice, J. M. Moriuchi, W. Jones and A. Klin, Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA
- 2:00 **153 110.186** Visual Processing of Social Information In Adults and Children. G. Serlin<sup>1,2</sup>, S. Menon<sup>3</sup>, M. R. Swanson<sup>4,5</sup> and M. J. Siller<sup>6,7</sup>, (1)Psychology, Hunter College at the City University of New York, New York, NY, (2)Biopsychology and Behavioral Neuroscience, Graduate Center at the City University of New York, New York, NY, (3)Psychology Department, Hunter College, City University of New York, New York, NY, (4)Psychology, Hunter College at the City University of New York, New York, NY, (5)Biopsychology and Behavioral Neuroscience, The Graduate Center, New York, NY, (6)Biopsychology and Behavioral Neuroscience, Graduate Center at the City University of New York, New York, NY, (7)Psychology, Hunter College of the City University of New York, New York, NY
- 3:00 **154 110.187** Examining the Role of Empathy on Socialization and Communication Skills In Individuals Diagnosed with Autism Spectrum Disorders (ASD). M. Ivanisevic<sup>1</sup>, D. L. Robins and T. Z. King, Georgia State University, Atlanta, GA

- 1:00 **155 110.188** Similar Behavior, Different Goal: Response to Naturalistic Joint Attention Cues Correlates with Cognitive Function In Typical Toddlers but with Maladaptive Behavior In ASD. K. A. Rice<sup>1</sup>, W. Jones and A. Klin, Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA
- 2:00 **156 110.189** Visual Attention and Cue Evaluation In a Modified Posner Paradigm: Relation to Social Skills and Symptom Severity. J. L. Bean<sup>1</sup> and I. M. Eigsti<sup>2</sup>, (1)University of Connecticut, Storrs, CT, (2)University of Connecticut, Storrs, CT
- 3:00 **157 110.190** A Longitudinal Look at Expressive and Receptive Language Development In Children and Adolescents with Autism. A. Cariello<sup>1</sup>, E. D. Bigler<sup>2</sup>, N. Lange<sup>3</sup>, A. L. Alexander<sup>4</sup>, A. Froehlich<sup>5</sup>, M. B. DuBray<sup>6</sup>, J. R. Cooperrider<sup>7</sup> and J. E. Lainhart<sup>8</sup>, (1)Utah Autism Research Project, Salt Lake City, UT, (2)Psychology and Neuroscience, Brigham Young University, Provo, UT, (3)Psychiatry and Biostatistics, Harvard University, Cambridge, MA, (4)Medical Physics and Psychiatry, University of Wisconsin, Madison, WI, (5)Psychiatry, University of Utah, Salt Lake City, UT, (6)Interdepartmental Program in Neuroscience, University of Utah, Salt Lake City, UT, (7)University of Utah, Salt Lake City, UT, (8)Psychiatry, Interdepartmental Program in Neuroscience, University of Utah, Salt Lake City, UT
- 1:00 **158 110.191** Building Bonds: An Examination of Emotional Closeness Between Mothers and Their Children with ASD. W. J. Hudenko<sup>1</sup>, L. Bradstreet<sup>2</sup>, B. Bookman<sup>3</sup>, D. Beck<sup>4</sup>, K. Yoshida<sup>5</sup> and A. Mayer<sup>1</sup>, (1)Psychology, Ithaca College, Ithaca, NY, (2)Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA, (3)SUNY Delhi, Delhi, NY, (4)La Trobe University, Melbourne, Australia, (5)New England Center for Children, Southborough, ME
- 2:00 **159 110.192** How Accurate Are Teachers at Estimating Cognitive Abilities of Children Who Are on the Autism Spectrum?. J. Hellriegel<sup>1</sup>, M. Murin<sup>1</sup>, W. Mandy<sup>2</sup> and D. H. Skuse<sup>3</sup>, (1)Social Communication Disorders Clinic, Great Ormond Street Hospital for Children, London, United Kingdom, (2)University College London, London, United Kingdom, (3)Institute of Child Health, London, United Kingdom
- 3:00 **160 110.193** Sensitivity to Social Touch In School-Age Children with Autism Spectrum Disorders. M. J. Ackerman<sup>1</sup>, W. Jones<sup>2</sup>, A. Klin<sup>2</sup> and G. Ramsay<sup>2</sup>, (1)Yale University School of Medicine, New Haven, CT, (2)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA
- 1:00 **161 110.194** Longitudinal Study of the Impact of Sensory-Motor Skills on Functional Independence and Adaptive Behaviors of Children with ASD. M. Couture<sup>1</sup>, E. Fombonne<sup>2</sup> and E. Gisel<sup>3</sup>, (1)Laval University, Quebec, QC, Canada, (2)Montreal Children's Hospital, Montreal, QC, Canada, (3)McGill University, Montreal, QC, Canada
- 2:00 **162 110.195** Temporal Coordination of Visual Scanning In School-Age Children with Autism Spectrum Disorders and Typically-Developing Peers. J. M. Moriuchi<sup>1</sup>, A. Klin and W. Jones, Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA

- 3:00 **163 110.196** Not Created Equal: Identifying Subtypes of Toddlers with Autism Based on Their Attentional Patterns. K. Chawarska<sup>1</sup>, D. Campbell<sup>2</sup>, F. Shic<sup>1</sup>, J. Chang<sup>2</sup> and S. Macari<sup>1</sup>, (1)Yale University School of Medicine, New Haven, CT, (2)Department of Statistics, Yale University, New Haven, CT
- 1:00 **164 110.197** Semantic Representations In Asperger Syndrome and Nonverbal LD. M. Stothers<sup>1</sup> and J. Cardy, 1201 Western Rd., London, ON, Canada

Poster Sessions

**110 - Neurophysiology: Cognitive Neuroscience**

1:00 PM - 5:30 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 1:00 **165 110.059** Neural Correlates of Implicit Learning In Young Children with ASD. S. S. Jeste<sup>1</sup>, A. Norona, S. F. Freeman and T. Paparella, Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA
- 2:00 **166 110.060** Transcranial Magnetic Stimulation Modulates P300 Indices of Selective Attention In Autism. J. M. Baruth<sup>1</sup>, E. M. Sokhadze<sup>2</sup>, L. L. Sears<sup>3</sup> and M. F. Casanova<sup>2</sup>, (1)Anatomical Sciences & Neurobiology, University of Louisville, Louisville, KY, (2)Psychiatry & Behavioral Sciences, University of Louisville, Louisville, KY, (3)Pediatrics, University of Louisville, Louisville, KY
- 3:00 **167 110.061** Differences In Electrophysiological Indices of Cognitive Control In the Younger Siblings of Children with Autism. L. Mohapatra<sup>1</sup>, H. A. Henderson<sup>2</sup> and D. S. Messinger<sup>2</sup>, (1)University of Minnesota Medical Center, Minneapolis, MN, (2)University of Miami, Coral Gables, FL
- 1:00 **168 110.062** Frontal Asymmetry and Temperament In Young High Functioning Children with Autism Spectrum Disorders. K. M. Burner<sup>1</sup>, S. Faja<sup>2</sup>, J. Tiwana<sup>3</sup> and M. Murias<sup>3</sup>, (1)University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA, (3)University of Washington, Seattle, WA
- 2:00 **169 110.063** Cortical Inhibition and GABAergic Function In Autism Spectrum Disorders. P. G. Enticott<sup>1</sup>, H. A. Kennedy<sup>1</sup>, N. J. Rinehart<sup>1</sup>, B. J. Tonge<sup>1</sup>, J. L. Bradshaw<sup>1</sup> and P. B. Fitzgerald<sup>2</sup>, (1)Monash University, Victoria, Australia, (2)The Alfred, Victoria, Australia
- 3:00 **170 110.064** Atypical Maturation of Oculomotor and Manual Motor Response Inhibition In ASD. L. M. Schmitt<sup>1</sup>, M. W. Mosconi<sup>2</sup>, M. E. Ragozzino<sup>2</sup>, E. H. Cook<sup>3</sup> and J. A. Sweeney<sup>2</sup>, (1)University of Illinois at Chicago, Center for Cognitive Medicine, Chicago, IL, (2)Center for Cognitive Medicine, University of Illinois at Chicago, Chicago, IL, (3)Institute for Juvenile Research, University of Illinois at Chicago, Chicago, IL
- 1:00 **171 110.065** Functional Connectivity Abnormalities Between Primary Auditory Cortex and Broca's Area In Autistic Children: a High Density ERP Study of Phonemic Processing. K. M. Martien<sup>1</sup>, H. Bharadwaj<sup>2</sup> and M. R. Herbert<sup>3</sup>, (1)MGH - Lurie Center/LADDERS Clinic, Massachusetts General Hospital-Harvard Medical School, Lexington, MA, (2)Neurology, Massachusetts General Hospital, Lexington, MA, (3)Massachusetts General Hospital, Charlestown, MA

- 2:00 **172 110.066** Auditory Processing In Young Children with and without Early Signs of Autism Utilizing Event Related Potentials. K. Harpster<sup>1</sup>, V. Sloutsky<sup>2</sup> and A. E. Lane<sup>3</sup>, (1)453 W. 10th Avenue, The Ohio State University, Columbus, OH, (2)1961 Tuttle Park Place, The Ohio State University, Columbus, OH, (3)The Ohio State University, Columbus, OH
- 3:00 **173 110.067** ERPs to Words In Toddlers with ASD Predict Behavioral Measures at 6 Years of Age. S. Coffey-Corina<sup>1</sup>, D. Padden<sup>2</sup>, P. Kuhl<sup>2</sup> and A. M. Estes<sup>3</sup>, (1)Center for Mind and Brain, UC Davis, Davis, CA, (2)Seattle, WA, United States, (3)Speech and Hearing Sciences, University of Washington, Seattle, WA
- 1:00 **174 110.068** Visual Statistical Learning In Infants at Risk for ASD. A. Norona<sup>1</sup>, L. Hawkins<sup>2</sup>, A. Law<sup>3</sup>, T. Hutman<sup>1</sup>, S. P. Johnson<sup>3</sup> and S. S. Jeste<sup>1</sup>, (1)Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA, (2)Psychology, UCSD, La Jolla, CA, (3)University of California, Los Angeles, CA
- 2:00 **175 110.069** Electrophysiological Indices of Conflict Monitoring In Autism Spectrum Disorders. A. Clawson<sup>1</sup>, P. E. Clayson<sup>1</sup>, M. J. Larson<sup>1,2</sup>, O. Johnston<sup>3</sup> and M. South<sup>1,2</sup>, (1)Psychology, Brigham Young University, Provo, UT, (2)Neuroscience, Brigham Young University, Provo, UT, (3)School of Accountancy, Brigham Young University, Provo, UT
- 3:00 **176 110.070** Neural Mechanisms of Reward Processing In ASD. D. Perszyk<sup>1</sup>, M. J. Crowley, A. Naples, J. Wu, A. Y. Nguyen-Phuc, M. Victorinova, L. Mayes and J. McPartland, Yale Child Study Center, New Haven, CT
- 1:00 **177 110.071** ERP Correlates of Episodic and Semantic Memory Judgements In ASD. E. Massand<sup>1</sup> and D. M. Bowler<sup>2</sup>, (1)City University, London, London, United Kingdom, (2)Autism Research Group, City University London, London, United Kingdom
- 2:00 **178 110.072** IQ Discrepancy Profiles and EEG Alpha Power In Autism Spectrum Disorders. B. Aaronson<sup>1</sup>, K. Sullivan<sup>1</sup>, M. Murias<sup>2</sup> and R. A. Bernier<sup>2</sup>, (1)University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA

- 3:00 **181 110.075** High-Frequency Oscillatory Response to Kanizsa Square in Typically Developing Boys and Boys with Autism Spectrum Disorders. A. O. Prokofyev<sup>1,2</sup>, T. A. Stroganova<sup>1,2</sup>, E. V. Orekhova<sup>3</sup>, M. M. Tsetlin<sup>1,4</sup>, V. V. Gratchev<sup>5</sup>, A. A. Morozov<sup>6</sup> and Y. V. Obukhov<sup>7</sup>, (1)The MEG Centre, Moscow State University of Psychology and Education, Moscow, Russia, (2)Laboratory of Developmental Psychogenetics, Psychological Institute of Russian Academy of Education, Moscow, Russia, (3)Sahlgrenska University Hospital, Gothenburg, (4)Laboratory of developmental psychogenetics, Psychological Institute of Russian Academy of Education, 125009, Moscow, Russia, (5)Department for the Study of Adolescent Psychiatry, Mental Health Research Center of Russian Academy of Medical Sciences, Moscow, Russia, (6)Lab 144, Institute of Radio-Engineering and Electronics, Moscow, Russia, (7)Lab 144, Institute of Radio-Engineering and Electronics, Russian Academy of Sciences, Moscow, Russia
- 1:00 **182 110.076** Low-Frequency Repetitive Transcranial Magnetic Stimulation (rTMS) Modulates Evoked-Gamma Frequency Oscillations In Autism Spectrum Disorder (ASD). M. F. Casanova<sup>1</sup>, J. M. Baruth<sup>2</sup>, A. S. El-Baz<sup>3</sup>, L. L. Sears<sup>4</sup> and E. M. Sokhadze<sup>1</sup>, (1)Psychiatry & Behavioral Sciences, University of Louisville, Louisville, KY, (2)Anatomical Sciences & Neurobiology, University of Louisville, Louisville, KY, (3)Bioengineering, University of Louisville, Louisville, KY, (4)Pediatrics, University of Louisville, Louisville, KY
- 2:00 **183 110.077** Spatial Processing and Contour Integration In Children with Autism 6-16 Years of Age. T. S. Altschuler<sup>1</sup>, S. Molholm<sup>2</sup>, A. C. Snyder<sup>3</sup>, A. B. Brandwein<sup>4</sup>, N. N. Russo<sup>2</sup>, H. Gomes<sup>5</sup> and J. J. Foxe<sup>2</sup>, (1)Dept of Psychology (CCNY) & Dept of Pediatrics (A. Einstein), The Children's Research Unit (CRU), City College of New York & Albert Einstein College of Medicine Children's Evaluation Research Center, Bronx, NY, (2)Dept of Pediatrics & Neuroscience, Albert Einstein College of Medicine, Bronx, NY, (3)The Children's Research Unit (CRU), Program in Cognitive Neuroscience, City College of New York, New York, NY, United States, (4)The Children's Research Unit (CRU), Program in Cognitive Neuroscience, City College of New York, New York, NY, (5)Psychology, City College of New York, New York, NY
- 3:00 **184 110.078** Multisensory Integration of Auditory Somatosensory Inputs In Children with Autism, Their Siblings and Typically Developing Children: a High-Density EEG Study. N. Russo<sup>1</sup>, J. J. Foxe<sup>2</sup>, H. Gomes<sup>3</sup>, A. B. Brandwein<sup>4</sup>, T. S. Altschuler<sup>5,6</sup> and S. Molholm<sup>7</sup>, (1)Pediatrics, Albert Einstein College of Medicine, Bronx, NY, (2)Dept of Pediatrics & Neuroscience, Albert Einstein College of Medicine, Bronx, NY, (3)Psychology, City College of New York, New York, NY, (4)The Children's Research Unit (CRU), Program in Cognitive Neuroscience, City College of New York, New York, NY, (5)The Children's Research Unit (CRU), Program in Cognitive Neuroscience, City College of New York, (6)Dept of Psychology (CCNY) & Dept of Pediatrics (A. Einstein), The Children's Research Unit (CRU), City College of New York & Albert Einstein College of Medicine Children's Evaluation Research Center, Bronx, NY, (7)Albert Einstein College of Medicine, Bronx, NY

**Poster Sessions**

**110 - Neurophysiology: Sensory Processing**

1:00 PM - 5:30 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 1:00 **179 110.073** EEG Photic Driving Interhemispheric Coherence Deficit In Childhood Autism. V. V. Lazarev<sup>1</sup>, A. Pontes and L. C. deAzevedo, Fernandes Figueira Institute, Oswaldo Cruz Foundation, Rio de Janeiro, Brazil
- 2:00 **180 110.074** Simultaneous Measurement of Pupillary Light Reflex and Heart Rate Variability In Children with Autism. C. L. Daluwatte<sup>1</sup>, T. T. Muzorewa<sup>2</sup>, S. E. Christ<sup>3</sup>, D. Q. Beversdorf<sup>4</sup>, T. N. Takahashi<sup>5</sup>, J. H. Miles<sup>6</sup> and G. Yao<sup>2</sup>, (1)University of Missouri, Columbia, Columbia, MO, (2)Department of Biological Engineering, University of Missouri, Columbia, MO, (3)University of Missouri, Columbia, MO, United States, (4)University of Missouri, Columbia, Columbia, MO, United States, (5)Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO, (6)Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO

Poster Sessions

110 - Neurophysiology: Social & Affective Processing

1:00 PM - 5:30 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 1:00 **185 110.079** ERP Measures of Facial Negative Emotional Expression Recognition In Autism and ADHD. G. Sokhadze<sup>1</sup>, A. S. El-Baz<sup>2</sup>, L. L. Sears<sup>3</sup>, J. M. Baruth<sup>4</sup>, E. M. Sokhadze<sup>5</sup> and M. F. Casanova<sup>5</sup>, (1)Psychology Brain Sciences, University of Louisville, Louisville, KY, (2)Bioengineering, University of Louisville, Louisville, KY, (3)Pediatrics, University of Louisville, Louisville, KY, (4)University of Louisville, Louisville, KY, (5)Psychiatry & Behavioral Sciences, University of Louisville, Louisville, KY
- 2:00 **186 110.080** Face Processing in Children with Autism Through Dense-Array EEG Recording. F. Apicella<sup>1</sup>, R. R. Federico, F. Sicca, G. Campatelli and F. Muratori, Developmental Neuroscience, Stella Maris Scientific Institute, Pisa, Italy
- 3:00 **187 110.081** Single-Neuron Correlates of Abnormal Face Processing by the Amygdala In Autism. U. Rutishauser<sup>1,2</sup>, O. Tudusciuc<sup>3</sup>, D. Neumann<sup>3</sup>, A. N. Mamelak<sup>4</sup>, A. C. Heller<sup>5</sup>, I. B. Ross<sup>5</sup> and R. Adolphs<sup>3</sup>, (1)Division of Biology, California Institute of Technology, Pasadena, CA, (2)Neural Systems and Coding, Max Planck Institute for Brain Research, Frankfurt am Main, Germany, (3)Humanities and Social Sciences, Caltech, Pasadena, CA, (4)Department of Neurosurgery, Cedars-Sinai Medical Center, Los Angeles, CA, (5)Epilepsy & Brain Mapping Unit, Huntington Memorial Hospital, Pasadena, CA
- 1:00 **188 110.082** Feature Binding of Social Versus Non-Social Stimuli In Children with ASD. A. Y. Nguyen-Phuc<sup>1</sup>, D. Perszyk, A. Naples and J. McPartland, Yale Child Study Center, New Haven, CT
- 2:00 **189 110.083** Electrophysiological Correlates of Face Processing In Simplex and Multiplex ASD Families. R. T. Lowy<sup>1</sup>, K. M. Venema<sup>1</sup>, K. Ankenman<sup>2</sup>, J. Gerds<sup>1</sup>, R. A. Bernier<sup>3</sup>, E. M. Wijsman<sup>3</sup> and S. J. Webb<sup>1</sup>, (1)University of Washington, Seattle, WA, (2)University of Washington, (3)University of Washington, Seattle, WA
- 3:00 **190 110.084** Temporal Dynamics of Subliminal and Supraliminal Emotional Face Perception In Individuals with Autistic Traits. M. Viktorinova<sup>1</sup>, D. Perszyk, J. Wu, A. Naples, H. Rutherford, L. Mayes and J. McPartland, Yale Child Study Center, New Haven, CT
- 1:00 **191 110.085** Affective Modulation of the Startle Eyeblink Reflex In Autism Spectrum Disorder In Response to Social and Non-Social Stimuli. A. Sabatino<sup>1</sup>, J. W. Bodfish<sup>2</sup>, N. J. Sasson<sup>3,4</sup>, J. Franklin<sup>5</sup>, S. D. Benning<sup>6</sup> and G. S. Dichter<sup>7,8</sup>, (1)University of North Carolina, CB #3367, University of North Carolina, Chapel Hill, NC, United States, (2)University of North Carolina - Chapel Hill, Chapel Hill, NC, United States, (3)University of Texas at Dallas, Richardson, TX, United States, (4)University of Texas at Dallas, Richardson, TX, (5)University of North Carolina-Chapel Hill, Chapel Hill, NC, (6)Psychology, Vanderbilt University, Nashville, TN, (7)University of North Carolina, Chapel Hill, NC, United States, (8)University of North Carolina, Chapel Hill, NC
- 2:00 **192 110.086** EEG, Empathy, and External Monitoring. O. Johnston<sup>1</sup>, T. Newton<sup>2</sup>, A. Clawson<sup>3</sup>, N. K. Jamison<sup>2</sup>, M. J. Larson<sup>2,4</sup> and M. South<sup>2,4</sup>, (1)School of Accountancy, Brigham Young University, Provo, UT, (2)Neuroscience, Brigham Young University, Provo, UT, (3)Brigham Young University-Psychology, Provo, UT, (4)Psychology, Brigham Young University, Provo, UT
- 3:00 **193 110.087** Neural Mechanisms of Empathy for Physical and Social Pain and Their Relation to Autistic Traits. C. E. Mukerji<sup>1</sup>, R. A. Bernier<sup>2</sup>, D. Perszyk<sup>3</sup>, A. Naples<sup>3</sup>, A. Fogel<sup>4</sup> and J. McPartland<sup>3</sup>, (1)Psychology, Yale University, New Haven, CT, (2)University of Washington, Seattle, WA, United States, (3)Yale Child Study Center, New Haven, CT, (4)Psychology, Tufts University, Medford, MA
- 1:00 **194 110.088** Distinguishing Self and Other In High Functioning Autism. M. A. Stokes<sup>1</sup>, T. J. Perkins<sup>2</sup>, J. A. McGillivray<sup>2</sup>, J. A. Manjiviona<sup>3</sup>, R. Bittar<sup>4</sup> and D. Kidgell<sup>5</sup>, (1)Deakin University, Burwood, Australia, (2)Psychology, Deakin University, Burwood, Australia, (3)Private practice, Lower Templestowe, Australia, (4)Precision neurosurgery, Melbourne, Australia, (5)School of Exercise and Nutrition Science, Faculty of Health, Deakin University, Burwood, Australia
- 2:00 **195 110.089** Congruency Effects and Developmental Trajectories In Simultaneously Perceiving and Producing Facial Expressions and Hand Movements - An EMG Study. M. Schulte-Rüther<sup>1</sup>, E. Otte<sup>2</sup>, I. Koch<sup>3</sup>, B. Herpertz-Dahlmann<sup>4</sup> and K. Konrad<sup>5</sup>, (1)Child Neuropsychology Section, University Hospital Aachen, Aachen, Germany, (2)Institute of Psychology, RWTH Aachen University, Aachen, Germany, (3)Institute of Psychology, RWTH Aachen University, Aachen, Germany, (4)Child and Adolescent Psychiatry, University Hospital Aachen, Aachen, Germany, (5)Child Neuropsychology Section, University Hospital Aachen, Aachen, Germany
- 3:00 **196 110.090** EEG Measures of Social and Non-Social Autistic Traits within and Beyond the Autism Spectrum. K. J. Yoder<sup>1</sup> and M. K. Belmonte<sup>2</sup>, (1)Division of Social Sciences, University of Chicago, Chicago, IL, (2)National Brain Research Centre, Manesar, India
- 1:00 **197 110.091** Respiratory Sinus Arrhythmia: A Marker of Positive Functioning In Children with Autism Spectrum Disorders. M. A. Patriquin<sup>1</sup>, A. Scarpa<sup>2</sup>, B. H. Friedman<sup>1</sup> and S. W. Porges<sup>3</sup>, (1)Department of Psychology, Virginia Tech, Blacksburg, VA, (2)Psychology, Virginia Tech, Blacksburg, VA, (3)Department of Psychiatry, University of Illinois at Chicago, Chicago, IL
- 2:00 **197A 134.077** Reduced Representational Momentum for Subtle Dynamic Facial Expressions In Autism Spectrum Disorders. S. Uono<sup>1</sup>, W. Sato<sup>2</sup> and M. Toichi<sup>3</sup>, (1)Graduate School of Education, Kyoto University, Kyoto, Japan, (2)Primate Research Institute, Kyoto University, Inuyama, Japan, (3)Graduate School of Medicine, Kyoto University, Kyoto, Japan

# FRIDAY May 13, 2011 – AM

www.autism-insar.org

6:30-5:00P	Registration (Litrenta Foyer Lvl 2)		
7:00-8:00A	Coffee & Pastries (Elizabeth Ballroom Foyer Lvl 2)		
8:00-5:00P	Exhibits (Elizabeth Foyer Lvl 2)		
8:00-8:15A	Introduction: Autism Speaks (Elizabeth Ballroom A-D Lvl 2)		
8:15-9:15A	Keynote Address: Eric Courchesne – The Developmental Neurobiology of Autism: The First Steps and the Road Ahead (Elizabeth Ballroom A-D Lvl 2)		8:00-1:00P Poster Sessions (Elizabeth Ballroom EF and Litrenta Foyer Lvl 2) Neuropathology of Autism; Services – I, Services – II, Structural and Functional Brain Imaging #1, Structural and Functional Brain Imaging #2
8:00-1:00P	Innovative Technologies Demonstration Session (Litrenta Foyer Lvl 2)		
9:15-9:45A	Break (Elizabeth Ballroom Foyer Lvl 2)		
9:45-11:45A	IES: Adults with Autism Spectrum Disorders: Challenges for Epidemiological and Outcome Research (Elizabeth Ballroom A-C Lvl 2)		
9:45-11:45A	Oral Sessions: Interventions: Psychopharmacology, Predictors, and Other Outcomes and Related Factors (Elizabeth Ballroom D Lvl 2)	Oral Sessions: Genetics, From Syndromes to GWAS (Elizabeth Ballroom G-H Lvl 2)	Oral Sessions: Neurophysiology: Social, Perceptual and Learning Processes (Douglas Pavilion A Lvl 1)
11:45-1:00P	Lunch Break		

## Keynote Address

### 111 - The Developmental Neurobiology of Autism: The First Steps and the Road Ahead

8:15 AM - 9:15 AM - Elizabeth Ballroom A-D

*Speaker:* E. Courchesne; *University of California, San Diego*

Studies that identify early neurobiological defects in autism will open new avenues for iPSC cell, animal model, postmortem and genetic research on autism. Knowledge gained from such developmental research will be essential to developing early biomarkers of risk for autism. Such knowledge will also be essential to developing behavioral and biotherapeutic treatments that ameliorate consequences of brain maldevelopment and enable optimal clinical outcome for each affected individual.

social importance of longitudinal research on trajectories of development from child to adulthood.

- 9:45 **112.002** Recognition, Diagnosis and Screening for ASD In Adulthood. T. S. Brugha<sup>1</sup>, Department of Health Sciences, University of Leicester, Leicester, United Kingdom
- 10:15 **112.003** Autism Trajectories and Outcomes In the Adult Years. M. M. Seltzer<sup>1</sup>, Waisman Center, University of Wisconsin-Madison, Madison, WI
- 10:45 **112.004** Validating ASD Instruments for Use In Screening and Prevalence Studies. F. Scott<sup>1</sup>, Autism Research Centre, Cambridge, United Kingdom
- 11:15 **112.005** Outcomes and Needs In Mid-Later Adulthood. P. Howlin<sup>1</sup>, Psychology, Institute of Psychiatry, King's College London, London, United Kingdom

## Invited Educational Symposium

### 112 - Adults with Autism Spectrum Disorders: Challenges for Epidemiological and Outcome Research

9:45 AM - 11:45 AM - Elizabeth Ballroom A-C

*Session Chair:* P. Howlin; *Institute of Psychiatry, King's College London*

Over recent decades there have been significant advances in diagnostic, epidemiological and intervention research involving children with autism. In contrast, the quality of adult ASD research is far more limited. Instruments that can be used reliably, either in research or clinical practice, to diagnose ASD in adults are few; there are no prevalence studies in adulthood that approach the standards of epidemiological research in children and large randomised control trials of psychological interventions for adults are lacking. Knowledge about trajectories of development from child to adulthood, or of factors related to outcome is also limited. The proposed educational symposium will address issues related to the development of reliable and valid adult diagnostic measures; the need for studies of adult prevalence and the clinical and

## Oral Sessions

### 113 - Interventions: Psychopharmacology, Predictors, and Other Outcomes and Related Factors

9:45 AM - 11:45 AM - Elizabeth Ballroom D

*Session Chair:* C. McDougle; *Indiana University School of Medicine*

- 9:45 **113.001** A Pilot Naturalistic Trial of Acamprosate In Idiopathic and Fragile X-Associated Autism Spectrum Disorders. L. Wink<sup>1</sup>, C. A. Erickson<sup>2</sup>, M. Early<sup>3</sup>, K. A. Stigler<sup>2</sup> and C. McDougle<sup>4</sup>, (1)Indianapolis, IN, (2)Indiana University School of Medicine, Indianapolis, IN, (3)Notre Dame University, Notre Dame, IN, (4)Indiana University School of Medicine, Indianapolis, IN, United States

- 10:00 **113.002** Stimulant Treatment Is Associated with Improvements In ADHD Symptoms — and Not with Increased Irritability or Social Problems — In Children with ASD with Significant ADHD Symptomatology. D. A. Pearson<sup>1</sup>, C. W. Santos<sup>1</sup>, M. G. Aman<sup>2</sup>, L. E. Arnold<sup>2</sup>, C. D. Casat<sup>3</sup>, K. A. Loveland<sup>1</sup>, R. Mansour<sup>1</sup>, D. Lane<sup>4</sup> and S. Ezzell<sup>1</sup>, (1)Psychiatry & Behavioral Sciences, University of Texas Medical School at Houston, Houston, TX, (2)Ohio State University, Columbus, OH, United States, (3)Carolina NeuroSolutions, LLC, Charleston, SC, (4)Psychology, Rice University, Houston, TX
- 10:15 **113.003** Parent and Teacher Perceptions of Important Behaviors for Change. T. Newton<sup>1</sup>, J. Ballard<sup>2</sup>, A. de Bildt<sup>3</sup>, M. Thompson<sup>4</sup>, S. Stephens<sup>5</sup>, C. M. Johnson<sup>6</sup>, J. Palilla<sup>7</sup> and M. South<sup>1,8</sup>, (1)Neuroscience, Brigham Young University, Provo, UT, (2)Center for Change, Orem, UT, (3)University Medical Center Groningen, Groningen, Netherlands, (4)Nebo School District, Springville, UT, (5)Giant Steps Preschool, Orem, UT, (6)Wasatch Mental Health, Provo, UT, (7)Clinical Psychology, Brigham Young University, Provo, UT, (8)Psychology, Brigham Young University, Provo, UT
- 10:30 **113.004** Predicting Improvement In Social/Communication Symptoms of ASD Using Retrospective Treatment Data. M. O. Mazurek<sup>1</sup> and S. M. Kanne<sup>2</sup>, (1)Health Psychology, University of Missouri - Columbia, Columbia, MO, (2)Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO
- 10:45 **113.005** Predictors of Outcome In a Large, Community-Based Intensive Behavioural Intervention Program. A. Perry<sup>1</sup>, A. Cummings<sup>2</sup>, J. Dunn Geier<sup>3</sup>, N. L. Freeman<sup>4</sup>, S. Hughes<sup>5</sup>, T. Managhan<sup>6</sup>, J. A. Reitzel<sup>7</sup> and J. Williams<sup>8</sup>, (1)4700 Keele Street BSB 133B, York University, Toronto, ON, Canada, (2)Kinark, Markham, ON, Canada, (3)Children's Hospital of Eastern Ontario, Ottawa, ON, Canada, (4)Surrey Place Centre, Toronto Partnership for Autism Services, Toronto, ON, Canada, (5)Pathways, Kingston, ON, Canada, (6)Private Practice, Sudbury, ON, Canada, (7)1200 Main St. W., P.O. Box 2000, McMaster Children's Hospital/McMaster University, Hamilton, ON, Canada, (8)ErinokKids, Mississauga, ON, Canada
- 11:00 **113.006** Factors Affecting Treatment Choices by Caregivers of Children with Autism. N. A. Call<sup>1</sup>, C. H. Delfs and A. J. Findley, Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA
- 11:15 **113.007** The Therapeutic Alliance In a Social Skills Intervention for Adolescents with ASDs. M. D. Lerner<sup>1</sup> and M. Anthony, Psychology, University of Virginia, Charlottesville, VA
- 11:30 **113.008** Using Automated Audio Analysis to Assess Daily Vocal Interaction Patterns In Young Children with Autism. J. Gilkerson<sup>1</sup>, J. A. Richards<sup>1</sup> and D. Xu<sup>2,3</sup>, (1)Research, LENA Foundation, Boulder, CO, (2)Boulder, CO, (3)Engineering, LENA Foundation, Boulder, CO

Oral Sessions

**114 - Genetics: From Syndromes to GWAS**

9:45 AM - 11:45 AM - Elizabeth Ballroom G-H

*Session Chair: J. Hallmayer; Stanford University*

- 9:45 **114.001** Neuropathology of Idiopathic Autism and Autism Associated with Chromosome 15 Duplication. J. Wegiel<sup>1</sup>, I. Kuchna<sup>1</sup>, K. Nowicki<sup>1</sup>, S. Y. Ma<sup>1</sup>, J. Wegiel<sup>1</sup>, J. Frackowiak<sup>1</sup>, B. Mazur-Kolecka<sup>1</sup>, E. Marchi<sup>1</sup>, I. L. Cohen<sup>2</sup>, E. London<sup>2</sup>, W. T. Brown<sup>3</sup> and T. Wisniewski<sup>1</sup>, (1)Developmental Neurobiology, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (2)Psychology, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (3) Human Genetics, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY
- 10:00 **114.002** Intergenerational Transmission of Quantitative Autism Traits In the General Population and Autism Families. J. Steyaert<sup>1,2,3</sup>, W. De la Marche<sup>4,5</sup>, I. Noens<sup>3,6,7</sup>, E. M. Scholte<sup>8</sup>, H. Peeters<sup>3,9</sup> and K. Devriendt<sup>3,9</sup>, (1)Clinical Genetics, University Hospital Maastricht, Maastricht, Netherlands, (2)Psychiatry - UPC- KU Leuven, Katholieke Universiteit Leuven, Leuven, Belgium, (3)Leuven Autism Research, Katholieke Universiteit Leuven, Leuven, Belgium, (4)Leuven Autism Research, K.U.Leuven, Leuven, Belgium, (5)Child & Adolescent Psychiatry Dep., UPC-K.U.Leuven, campus Gasthuisberg, Leuven, Belgium, (6)Psychiatric and Neurodevelopmental Genetics Unit, Massachusetts General Hospital, Boston, MA, (7)Parenting and Special Education Research Group, Katholieke Universiteit Leuven, Leuven, Belgium, (8)Leiden University, Social and Behavioral Sciences, Leiden, (9)Centre for Human Genetics, Katholieke Universiteit Leuven, Leuven, Belgium
- 10:15 **114.003** Understanding Clinical Variability In Autism: Results From a California Twin Study. W. Froehlich<sup>1</sup>, S. Cleveland<sup>1</sup>, A. Torres<sup>1</sup>, J. M. Phillips<sup>1</sup>, B. Cohen<sup>2</sup>, A. Fedele<sup>3</sup>, T. Torigoe<sup>2</sup>, J. Collins<sup>4</sup>, K. S. Smith<sup>5</sup>, L. Lotspeich<sup>1,5</sup>, L. A. Croen<sup>4</sup>, S. Ozonoff<sup>6</sup>, C. Lajonchere<sup>7</sup>, J. K. Grether<sup>1</sup>, N. Risch<sup>8</sup> and J. Hallmayer<sup>1</sup>, (1)Stanford University, Stanford, CA, (2)Autism Genetic Resource Exchange, Los Angeles, CA, (3)Autism Speaks, Westmont, NJ, United States, (4)Kaiser Permanente, Division of Research, Oakland, CA, (5)California Department of Public Health, Richmond, CA, (6)UC Davis MIND Institute, Sacramento, CA, (7)Autism Speaks, Los Angeles, CA, United States, (8)University of California San Francisco, San Francisco, CA
- 10:30 **114.004** Reanalysis of Published Genome-Wide Association Data From the Autism Genetics Resource Exchange (AGRE): The Use of Quantitative Traits and Subphenotypes for Association Analyses Reveals Novel Autism Subtype-Dependent Genetic Polymorphisms. V. Hu<sup>1</sup>, A. M. Addington<sup>2</sup> and A. Hyman<sup>1</sup>, (1)The George Washington University Medical Center, Washington, DC, (2)NIMH, NIH, Bethesda, MD



- 10:45 **114.005** Evaluation of Copy Number Variations In Autism Spectrum Disorders. D. Ma<sup>1</sup>, A. J. Griswold<sup>1</sup>, H. N. Cukier<sup>1</sup>, J. Jaworski<sup>1</sup>, L. D. Nations<sup>1</sup>, D. Salyakina<sup>1</sup>, M. A. Schmidt<sup>1</sup>, I. Konidari<sup>1</sup>, P. Whitehead<sup>1</sup>, H. H. Wright<sup>2</sup>, R. K. Abramson<sup>2</sup>, E. R. Martin<sup>1</sup>, J. L. Haines<sup>3</sup>, J. R. Gilbert<sup>1</sup>, M. L. Cuccaro<sup>1</sup> and M. A. Pericak-Vance<sup>1</sup>, (1)John P Hussman Institute for Human Genomics, Miami, FL, (2)Department of Neuropsychiatry, University of South Carolina, Columbia, SC, (3)Center for Human Genetics, Vanderbilt University, Nashville, TN
- 11:00 **114.006** Association Between Autism Spectrum Disorders (ASD) In VCFS Patients and SNPs In PRODH and COMT. P. D. Radoeva<sup>1</sup>, I. L. Coman<sup>1</sup>, F. A. Middleton<sup>1</sup>, K. M. Antshel<sup>1</sup>, W. Fremont<sup>1</sup>, R. J. Shprintzen<sup>1</sup>, B. E. Morrow<sup>2</sup> and W. R. Kates<sup>1</sup>, (1)SUNY Upstate Medical University, Syracuse, NY, (2)Albert Einstein College of Medicine, Bronx, NY
- 11:15 **114.007** Maternally Acting Folate-Related Gene Alleles along with Maternal and Possibly Grandmaternal Folate Status May Contribute to Epigenetic Abnormalities In Autism and Down Syndrome. W. G. Johnson<sup>1</sup>, S. Buyske<sup>2</sup> and E. S. Stenroos<sup>3</sup>, (1)UMDNJ-RWJMS, Short Hills, NJ, (2)Department of Statistics, Rutgers University, Piscataway, NJ, (3)The Staged Research Building, Room 107, Piscataway, NJ
- 11:30 **114.008** The Genetics of Agenesis of the Corpus Callosum and Its Connection to Autism. E. Sherr<sup>1</sup>, S. Sajan<sup>2</sup>, L. Fernandez-Betancourt<sup>3</sup>, J. Glessner<sup>4</sup>, H. Hakonarson<sup>5</sup> and W. B. Dobyns<sup>6</sup>, (1)UCSF, San Francisco, CA, (2)Genetics, Seattle Childrens Hospital, Seattle, WA, (3)Neurology, UCSF, San Francisco, CA, (4)Philadelphia, PA, (5)CHOP, Philadelphia, PA, (6)Seattle Childrens Hospital, Seattle, WA
- 10:30 **115.004** Social and Attention Factors During Infancy and the Later Emergence of Autism Characteristics. M. Elsabbagh<sup>1</sup>, K. Holmboe<sup>2</sup>, E. Mercure<sup>3</sup>, T. Gliga<sup>1</sup>, K. Hudry<sup>4</sup>, T. Charman<sup>5</sup>, S. Baron-Cohen<sup>6</sup>, P. Bolton<sup>7</sup>, M. H. Johnson<sup>8</sup> and The BASIS Team<sup>9</sup>, (1)Centre for Brain and Cognitive Development, Birkbeck, London, United Kingdom, (2)Centre for Brain and Cognitive Development, London, United Kingdom, (3)Birkbeck, University of London, London, (4)School of Psychological Science, Olga Tennison Autism Research Centre, La Trobe University, Bundoora, VIC, Australia, (5)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (6)Autism Research Centre, Department of Psychiatry, University of Cambridge, Cambridge, United Kingdom, (7)Institute of Psychiatry (The), (8)Centre for Brain and Cognitive Development, Birkbeck, University of London, London, United Kingdom, (9)BASIS, London, United Kingdom
- 10:45 **115.005** Superior Temporal Gyrus Spectro-Temporal Abnormalities In Autism Spectrum Disorders. J. C. Edgar<sup>1</sup>, S. Y. Khan<sup>1</sup>, K. Cannon<sup>1</sup>, S. Qasmieh<sup>1</sup>, L. Blaskey<sup>2</sup>, L. A. Cornew<sup>1</sup> and T. P. L. Roberts<sup>1</sup>, (1)Neuroradiology, Children's Hospital of Philadelphia, Philadelphia, PA, (2)Children's Hospital of Philadelphia, Philadelphia, PA
- 11:00 **115.006** Luminance- and Texture-Defined Spatial Information Processing In School-Aged Children with Autism. J. B. Rivest<sup>1</sup>, P. Vannasing<sup>2</sup>, M. McKerra<sup>2</sup>, A. Bertone<sup>3</sup>, M. Lassonde<sup>2</sup> and L. Mottron<sup>1</sup>, (1)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada, (2)Centre de Recherche en Neuropsychologie et cognition de l'Université de Montréal (CERNEC), Montréal, QC, Canada, (3)Perceptual Neuroscience Laboratory for Autism and Development, CETEDUM, Montréal, QC, Canada
- 11:15 **115.007** The Relationship of Epileptiform Discharges to Sleep, Cognition, and Behavior In School-Age Children with Autism Spectrum Disorders. G. Barnes<sup>1</sup>, B. A. Malow<sup>2,3</sup>, J. Paolicchi<sup>4</sup>, K. Adkins<sup>3</sup> and P. Howard<sup>5</sup>, (1)Vanderbilt, Nashville, (2)Neurology/Sleep, Vanderbilt University, Nashville, TN, (3)Neurology/Sleep, Vanderbilt Medical Center, Nashville, TN, (4)Neurology, Vanderbilt University Medical Center, Nashville, TN, (5)Vanderbilt University Medical Center, Nashville, TN
- 11:30 **115.008** Slow-Wave EEG Activity During Sleep In Adults with Autistic Spectrum. A. C. Rochette<sup>1,2</sup>, E. Chevrier<sup>1</sup>, L. Mottron<sup>3,4,5</sup> and R. Godbout<sup>1,6,7</sup>, (1)Sleep Laboratory & Clinic, Hôpital Rivière-des-Prairies, Montréal, QC, Canada, (2)Psychology, Université du Québec à Montréal, Montréal, QC, Canada, (3)Autism Excellence Center, Hôpital Rivière-des-Prairies, Montréal, QC, Canada, (4)Psychiatry, Université de Montréal, Montréal, QC, Canada, (5)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada, (6)Psychiatry, Université de Montréal, Montreal, QC, Canada, (7)7070 Boul. Perras, Sleep Laboratory & Clinic, Montreal, QC, Canada

**Oral Sessions**

**115 - Neurophysiology: Social, Perceptual and Learning Processes**

9:45 AM - 11:45 AM - Douglas Pavilion A

*Session Chair: S. J. Webb; University of Washington*

- 9:45 **115.001** Face Processing Delays In ASD Are Robust to Variations In Visual Attention. A. Naples<sup>1</sup>, D. Perszyk, M. J. Crowley, J. Wu, L. Mayes and J. McPartland, Yale Child Study Center, New Haven, CT
- 10:00 **115.002** Developmental Trajectory of the N170 Marker of Face Processing In Children with ASD. S. J. Webb<sup>1</sup>, E. Jones<sup>2</sup>, K. M. Burner<sup>2</sup>, C. Robertson<sup>1</sup>, R. Edwards<sup>1</sup>, A. Tattersall<sup>1</sup> and G. Dawson<sup>3</sup>, (1)University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA, United States, (3)University of North Carolina, Autism Speaks, UNC Chapel Hill, Chapel Hill, NC
- 10:15 **115.003** Using Event-Related Potentials to Explore Age-Related Changes In Infant Responses to Faces. R. J. Luyster<sup>1</sup>, J. B. Wagner<sup>1</sup>, V. Vogel-Farley<sup>2</sup>, H. Tager-Flusberg<sup>3</sup> and C. A. Nelson<sup>1</sup>, (1)Laboratories of Cognitive Neuroscience, Harvard Medical School/Children's Hospital Boston, Boston, MA, (2)Children's Hospital Boston, Boston, MA, United States, (3)Department of Psychology, Boston University, Boston, MA

Poster Sessions

116 - Innovative Technologies Demonstration Session

8:00 AM - 1:00 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 1 **116.144** Bioinformatics Platform Allowing Data Aggregation Across Projects and Repositories In Autism Spectrum Disorder Research: Interactive Demonstration. D. Hall<sup>1</sup>, M. McAuliffe<sup>2</sup>, M. Dimitrov<sup>3</sup>, S. Novikova<sup>4</sup>, G. Navidi<sup>5</sup>, E. Stanton<sup>4</sup>, M. P. Freund<sup>6</sup> and M. F. Huerta<sup>7</sup>, (1)The Office of Technology Development and Coordination , National Institute of Mental Health (NIMH), Bethesda, MD, (2)CIT, NIH Center for Information Technology, Bethesda, MD, (3)The Office of Technology Development and Coordination , NIMH, Rockville, MD, (4)The Office of Technology Development and Coordination , NIMH, Rockville, MD, (5)The Office of Technology Development and Coordination , National Institute of Mental Health (NIMH), Rockville, MD, (6)National Institute of Mental Health, Bethesda, MD, United States, (7)The Office of Technology Development and Coordination , National Institute of Mental Health, Bethesda, MD
- 2 **116.145** Meta-Search: Automatic Indexing of Meta-Data and Data Can Dramatically Improve Variable Discovery In Very Large Autism Data Sets Like the Simons Simplex Collection (SSC). L. Rozenbliit<sup>1</sup>, A. Voronoy<sup>1</sup>, M. Peddle<sup>1</sup>, D. Voccola<sup>1</sup>, C. C. Evans<sup>1</sup> and S. B. Johnson<sup>2</sup>, (1)Prometheus Research, LLC, New Haven, CT, (2)Biomedical Informatics, Columbia University, New York, NY
- 3 **116.146** Web Application for Genetic and Phenotypic Data From Families with Autism Spectrum Disorders to Support Multidisciplinary Research. S. Wang<sup>1</sup>, R. Sasanfar<sup>2,3</sup>, J. O'Rourke<sup>1</sup>, J. Teraiya<sup>1</sup>, S. Koduru<sup>1</sup> and D. L. Pauls<sup>4</sup>, (1)Psychiatric and Neurodevelopmental Genetics Unit, Massachusetts General Hospital, Boston, MA, (2) Psychiatric and Neurodevelopmental Genetic Unit, Center for Human Genetic Research, Massachusetts General Hospital, Boston, MA, (3)Department of Psychiatry, Harvard Medical School, Boston, MA, (4)Massachusetts General Hospital, Boston, MA
- 4 **116.147** Improving the Quality of Diagnostic Procedures of Autism Spectrum Disorders by Telemedicine. T. Maffre<sup>1</sup>, F. Le Deist<sup>2</sup> and J. P. Raynaud<sup>3</sup>, (1)CRA Midi-Pyrénées, CHU de Toulouse, Toulouse, France, (2)Toulouse Business School, Toulouse, France, (3)SUPEA, CHU de Toulouse, Toulouse, France
- 5 **116.148** Treating Autism In Toddlers and Adolescents Remotely with Behavior Imaging-TM. T. T. Whitney<sup>1</sup> and R. Oberleitner<sup>2</sup>, (1)Suite 120, Intermountain Center For Autism and Child Development, Meridian, ID, (2)Behavior Imaging Solutions, Boise, ID
- 6 **116.149** Increasing Accessibility to Behavioral Evaluation and Treatment Through Telehealth. T. Kopelman<sup>1</sup>, K. E. Pelzel<sup>2</sup>, D. P. Wacker<sup>3</sup>, S. D. Lindgren<sup>3</sup>, Y. Padilla<sup>4</sup>, J. F. Lee<sup>5</sup> and D. B. Waldron<sup>3</sup>, (1)Iowa City, IA, (2)Center for Disabilities and Development, University of Iowa Hospitals and Clinics, Iowa City, IA, (3)Pediatrics, University of Iowa Hospitals and Clinics, Iowa City, IA, (4)Pediatrics, University of Iowa Children's Hospital, Iowa City, IA, (5)University of Iowa, Iowa City, IA
- 7 **116.150** Family Centered Occupational Therapy and Telerehabilitation for Children with Autism Spectrum Disorders. V. D. Gibbs<sup>1</sup> and S. Toth-Cohen<sup>2</sup>, (1)Clifton, NJ, (2)Philadelphia, PA
- 8 **116.151** Using An Internet-Based Training Program to Introduce Naturalistic Behavioral Techniques to Individuals Working with Young Children with Autism. A. L. Wainer<sup>1</sup> and B. Ingersoll<sup>2</sup>, (1)Michigan State University, East Lansing, MI, (2)Michigan State University, East Lansing, MI
- 9 **116.152** Web-Based Training In Early Autism Screening with the STAT: Results From a Pilot Study. A. Swanson<sup>1</sup>, W. L. Stone<sup>2</sup>, O. Ousley<sup>3</sup> and K. A. Kobak<sup>4</sup>, (1)Vanderbilt University, Nashville, TN, (2)University of Washington, Seattle, WA, (3)Department of Psychiatry and Behavioral Sciences , Emory University School of Medicine , Atlanta, GA, (4)Center for Psychological Consultation, Madison, WI
- 10 **116.153** Randomized Study of Web-Based Teacher Coaching: Promising Practice and Lessons Learned. L. A. Ruble<sup>1</sup>, J. H. McGrew<sup>2</sup> and R. Johnson<sup>1</sup>, (1)University of Kentucky, Lexington, KY, (2)Indiana University - Purdue University Indianapolis, Indianapolis, IN
- 11 **116.154** Evaluation of An Elearning Training Program for Behavioral Therapists. A. Najdowski<sup>1</sup>, D. R. Dixon<sup>2</sup> and J. Tarbox<sup>2</sup>, (1)Tarzana, CA, (2)Center for Autism and Related Disorders, Tarzana, CA
- 12 **116.155** Discovering Behavioral Intervention: A Parent's Interactive Guide to ABA. R. K. Fleming<sup>1</sup>, Waltham, MA
- 13 **116.156** Collaboration and Perspective-Taking In Collaborative Virtual Environments by Young People with Autism Spectrum Conditions: A Pilot Study. S. Garib-Penna<sup>1,2</sup> and S. Parsons<sup>1,2</sup>, (1)School of Education, University of Birmingham, Birmingham , United Kingdom, (2)School of Education, University of Southampton, Southampton, United Kingdom
- 14 **116.157** Virtual Reality Methods for the Study of Talking and Looking Behavior In People with High Functioning Autism (HFA). N. V. Hatt<sup>1</sup>, W. Jarrold, M. V. Gwaltney, N. McIntyre, M. Solomon, S. Ozonoff, K. Kim, B. E. Seymour and P. C. Mundy, MIND Institute, UC Davis, Sacramento, CA
- 15 **116.158** A Pilot Investigation Of Visual Exploration During Face-To-Face Social Interaction In Virtual Reality. O. Grynszpan<sup>1</sup>, J. Constant<sup>2</sup>, J. C. Martin<sup>3</sup>, J. Simonin<sup>4</sup> and J. Nadel<sup>5</sup>, (1)CNRS USR 3246, Université Pierre et Marie Curie, Paris, France, (2)Hôpitaux de Chartres, Chartres, France, (3)LIMSI-CNRS, Université Paris Sud, Orsay, France, (4)Holo3 Inc., Schiltigheim, France, (5)CNRS USR 3246, Paris, France
- 16 **116.159** Virtual Reality Based Gaze Sensitive System for Children with Autism Spectrum Disorder: Implications on Behavioral Viewing Patterns. U. Lahiri<sup>1</sup>, Z. Warren<sup>2</sup> and N. Sarkar<sup>1</sup>, (1)Mechanical Engineering, Vanderbilt University, Nashville, TN, (2)Pediatrics, Vanderbilt University, Nashville, TN

- 17 116.160** Exploring Responses of Children with ASD to a Virtual Character In the ECHOES Technology Enhanced Learning Environment. G. Rajendran<sup>1</sup>, A. Alcorn<sup>2</sup>, H. Pain<sup>2</sup>, T. Smith<sup>3</sup>, O. Lemon<sup>4</sup>, K. Porayska-Pomsta<sup>5</sup>, M. E. Foster<sup>4</sup> and C. Frauenberger<sup>6</sup>, (1)40 George Street, University of Strathclyde, Glasgow, United Kingdom, (2)University of Edinburgh, Edinburgh, United Kingdom, (3)Birkbeck, University of London, London, United Kingdom, (4)Heriot Watt University, Edinburgh, United Kingdom, (5)London Knowledge Lab, Institute of Education, London, United Kingdom, (6)University of Sussex, Sussex, United Kingdom
- 18 116.161** Integrating Authorable Virtual Peers Into Social Groups. A. Tartaro<sup>1</sup>, Schenectady, NY
- 19 116.162** Results of An RCT of FaceSay In Public Elementary Schools. C. Wimsatt<sup>1</sup>, Symbionica, LLC, San Jose, CA
- 20 116.163** Rachel: A Data Collection Paradigm for the Quantitative Assessment of Children's Speech Patterns. E. Mower<sup>1</sup>, M. P. Black<sup>2</sup>, M. E. Williams<sup>3</sup> and S. S. Narayanan<sup>4</sup>, (1)University of Southern California, Los Angeles, CA, (2)University of Southern California, Los Angeles, CA, (3)University Center for Excellence in Developmental Disabilities at Children's Hospital Los Angeles, University of Southern California Keck School of Medicine, Los Angeles, CA, (4)Signal Analysis and Interpretation Laboratory (SAIL), University of Southern California, Los Angeles, CA
- 21 116.164** FaceStation: Computer Games That Train Face Perception and Reward Circuitries In Autism. G. Kohls<sup>1</sup>, S. Faja<sup>2</sup>, E. N. Madva<sup>1</sup>, S. J. Cayless<sup>1</sup>, S. Zayat<sup>1</sup>, W. C. Longmire<sup>1</sup>, J. S. Miller<sup>1</sup> and R. T. Schultz<sup>1</sup>, (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)University of Washington, Seattle
- 22 116.165** Using Robots to Facilitate Child-Child Interaction to Promote Social-Cognitive Behaviors. K. Boser<sup>1</sup>, C. Lathan<sup>2</sup>, C. Samango-Sprouse<sup>3</sup> and M. Michalowski<sup>4</sup>, (1), Ellicott City, MD, (2)AnthroTronix, Silver Spring, MD, (3)Department of Pediatrics, George Washington University, Washington, D.C., Crofton, MD, (4)Beatbots, Pittsburgh, PA
- 23 116.166** Detection and Classification of Positive Vs. Negative Robot Interactions with Children with Autism Using An Automated System. D. Feil-Seifer<sup>1</sup> and M. J. Mataric, University of Southern California, Los Angeles, CA
- 24 116.167** Robot-Mediated Joint Attention Tasks for Children at Risk with ASD: A Step towards Robot-Assisted Intervention. E. T. Bekele<sup>1,2</sup>, U. Lahiri<sup>2,3</sup>, J. A. Davidson<sup>2,4</sup>, Z. Warren<sup>2,4</sup> and N. Sarkar<sup>2,3</sup>, (1)Electrical Engineering, Vanderbilt University, Nashville, TN, (2)Autos Lab, Vanderbilt University, Nashville, TN, (3)Mechanical Engineering, Vanderbilt University, Nashville, TN, (4)Pediatrics, Vanderbilt University, Nashville, TN
- 25 116.168** Computer-Assisted Literacy Training for Nonverbal Children with Autism: A Pilot Study. M. B. Cull<sup>1</sup>, A. Whitaker<sup>1</sup>, J. F. Feldman<sup>2</sup>, K. J. Hoyte<sup>2</sup>, M. Algermissen<sup>2</sup>, M. McSwiggan-Hardin<sup>1</sup>, S. Goh<sup>3</sup> and B. Peterson<sup>4</sup>, (1)Columbia University Medical Center, New York, NY, (2)Columbia University, NYS Psychiatric Institute, New York, NY, (3)Columbia University, (4)Columbia University, NYS Psychiatric Institute, New York, NY
- 26 116.169** Media-Based TeachTown Interventions for Teaching Early Developmental Skills. C. Whalen<sup>1</sup>, L. Lara-Brady<sup>2</sup>, M. Rearick<sup>3</sup> and K. MacDonald<sup>1</sup>, (1)TeachTown, Seattle, WA, (2)Research, TeachTown, Burlingame, CA, (3)Curriculum, TeachTown, Van Nuys, CA
- 27 116.170** Computer-Mediated Exposure Therapy for Auditory Sensitivity In Autism Spectrum Disorder. R. R. Morris<sup>1</sup> and R. W. Picard<sup>2</sup>, (1)Massachusetts Institute of Technology, Cambridge, MA, (2)Massachusetts Institute of Technology, The Media Laboratory, Cambridge, MA
- 28 116.171** An Investigation of Video-Based Social Skills Training for Children and Adolescents with Autism Spectrum Disorders. K. Johnston<sup>1</sup> and G. Iarocci<sup>2</sup>, (1)Burnaby, BC, Canada, (2)Psychology, Simon Fraser University, Burnaby, BC, Canada
- 29 116.172** Teaching Persistence In Social Initiations to High-Functioning Children with Autism: A Portable Video Modeling Technology. D. Grosberg<sup>1</sup> and M. H. Charlop<sup>2</sup>, (1)Claremont Graduate University, Claremont, CA, (2)Claremont McKenna College, Claremont, CA
- 30 116.173** Animated Visual Supports for Social Skills. J. Ehrlich<sup>1</sup> and S. Smith<sup>2</sup>, (1)1 University Circle, Macomb, IL, (2)Special Education, University of Kansas, Lawrence, KS
- 31 116.174** Anxiety and Asperger's Syndrome: Experience of Everyday Anxiety and An Investigation Into A Novel Real-Time Stress Management Approach. C. Gracey<sup>1</sup>, Brunswick Street, Manchester, UK, United Kingdom
- 32 116.175** Externalization and Interpretation of Autonomic Arousal In Teenagers Diagnosed with Autism In a Relaxation Experiment. J. C. Lee<sup>1</sup>, M. S. Goodwin<sup>2</sup> and R. W. Picard<sup>3</sup>, (1)The Media Laboratory, Massachusetts Institute of Technology, Cambridge, MA, (2)Media Lab, Massachusetts Institute of Technology, Cambridge, MA, (3)Massachusetts Institute of Technology, The Media Laboratory, Cambridge, MA
- 33 116.176** Autonomic Sleep Patterns In Children with Autism Spectrum Disorders. A. Sano<sup>1</sup>, R. W. Picard<sup>1</sup>, R. E. Kaliouby<sup>1</sup>, B. A. Malow<sup>2</sup> and S. E. Goldman<sup>2</sup>, (1)Massachusetts Institute of Technology, The Media Laboratory, Cambridge, MA, (2)Neurology/Sleep, Vanderbilt University, Nashville, TN
- 34 116.177** Comparing Stereotypical Motor Movement Pattern Recognition Performance Using Mobile Phone Annotations From Experts and Non-Experts. M. S. Goodwin<sup>1</sup>, F. Albinali<sup>1</sup>, D. Aube<sup>2</sup> and S. S. Intille<sup>1</sup>, (1)Media Lab, Massachusetts Institute of Technology, Cambridge, MA, (2)The Groden Center, Inc., Providence, RI
- 35 116.178** Perceived Acceptance of the Mobile Social Compass. M. Tentori<sup>1</sup>, L. E. Boyd<sup>2</sup>, W. Roxas<sup>3</sup>, D. H. Nguyen<sup>4</sup> and G. R. Hayes<sup>4</sup>, (1)Ensenda, Baja California, Mexico, (2)NOC SELPA, Fullerton, CA, United States, (3)Arthur F. Corey Elementary School, Buena Park, CA, (4)University of California, Irvine, Irvine, CA
- 36 116.179** Naturalistic Daylong Audio Recording: A New Way for Child Behavior and Environment Monitoring. D. Xu<sup>1</sup>, J. Gilkerson<sup>2</sup> and J. A. Richards<sup>3</sup>, (1)Boulder, CO, (2)LENA Foundation, Boulder, (3)Research, LENA Foundation, Boulder, CO
- 37 116.180** PinPoint: Computer-Assisted Digital Video Coding. W. V. Dube<sup>1</sup>, N. Dorn<sup>2</sup> and L. Hebert<sup>3</sup>, (1)University of Massachusetts Medical School, Shrewsbury, MA, (2)Advantage Learning Group Inc., Seattle, WA, (3)Praxis, Inc., Waltham, MA

**38 116.181** Signal Processing Tools for the Automatic Analysis of Child-Psychologist Interactions. M. P. Black<sup>1</sup>, D. Bone<sup>1</sup>, T. Chaspari<sup>1</sup>, A. Tsiartas<sup>1</sup>, P. Gorrindo<sup>2</sup>, M. E. Williams<sup>3</sup>, P. Levitt<sup>3</sup> and S. S. Narayanan<sup>1</sup>, (1)Signal Analysis and Interpretation Laboratory (SAIL), University of Southern California, Los Angeles, CA, (2)Zilkha Neurogenetic Institute, Keck School of Medicine, University of Southern California, Los Angeles, CA, (3)University Center for Excellence in Developmental Disabilities at Children's Hospital Los Angeles, University of Southern California Keck School of Medicine, Los Angeles, CA

**39 116.182** The USE of Eye-Tracking Technology to Assess Pupillary Responses in Autism Spectrum Disorder. C. J. Anderson<sup>1</sup>, J. Colombo<sup>2</sup> and N. Brady<sup>3</sup>, (1)Lawrence, KS, (2)Life Span Institute, The University of Kansas, Lawrence, KS, (3)The University of Kansas, Lawrence, KS

**40 116.183** Using Thermal Infrared Imaging to Assess Pathologically-Related Thermal Dysfunction in Patients with Pervasive Developmental Disorders and Mental Retardation (PDD/MR): A Feasibility Study. C. L. Herry<sup>1</sup>, M. Rolland and A. Masse, Neurodevelopmental Program, Riviere des Prairies Hospital, Montreal, QC, Canada

9:00 **44 116.004** Defects of Cholinergic Neurons Development In Autism. K. Nowicki<sup>1</sup>, I. Kuchna<sup>1</sup>, S. Y. Ma<sup>1</sup>, J. Wegiel<sup>1</sup>, H. Imaki<sup>1</sup>, I. L. Cohen<sup>2</sup>, E. London<sup>2</sup>, M. J. Flory<sup>3</sup>, W. T. Brown<sup>4</sup>, T. Wisniewski<sup>1</sup> and J. Wegiel<sup>1</sup>, (1)Developmental Neurobiology, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (2)Psychology, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (3)Research Design and Analysis, NYS Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (4) Human Genetics, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY

10:00 **45 116.005** Hypothalamic Neurons Developmental Delay In Autistic Subjects. S. Y. Ma<sup>1</sup>, I. Kuchna<sup>1</sup>, K. Nowicki<sup>1</sup>, J. Wegiel<sup>1</sup>, H. Imaki<sup>1</sup>, I. L. Cohen<sup>2</sup>, E. London<sup>2</sup>, M. J. Flory<sup>3</sup>, W. T. Brown<sup>4</sup>, T. Wisniewski<sup>1</sup> and J. Wegiel<sup>1</sup>, (1)Developmental Neurobiology, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (2)Psychology, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (3)Research Design and Analysis, NYS Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (4) Human Genetics, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY

11:00 **46 116.006** Increased NMDAR1 Subunit mRNA Levels In Purkinje Cells In the Crus II Cerebellar Hemisphere Region In Autism: An In Situ Hybridization Study. A. P. Piras<sup>1</sup>, A. C. Lanoue, J. J. Soghomonian and G. J. Blatt, Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA

9:00 **47 116.007** The Olivo-Floccular Circuitry Developmental Defects In Autism. I. Kuchna<sup>1</sup>, H. Imaki<sup>1</sup>, K. Nowicki<sup>1</sup>, S. Y. Ma<sup>1</sup>, J. Wegiel<sup>1</sup>, I. L. Cohen<sup>2</sup>, E. London<sup>2</sup>, M. J. Flory<sup>3</sup>, W. T. Brown<sup>4</sup>, T. Wisniewski<sup>1</sup> and J. Wegiel<sup>1</sup>, (1)Developmental Neurobiology, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (2)Psychology, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (3)Research Design and Analysis, NYS Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (4) Human Genetics, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY

**Poster Sessions**

**116 - Neuropathology of Autism**

8:00 AM - 1:00 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

9:00 **41 116.001** Serotonin Axonal Pathways and Cortical Terminals In Autism; Evidence for Increased Fibers In Early Childhood and Dystrophic Fibers In Adolescence. E. C. Azmitia<sup>1</sup>, R. Xu<sup>2</sup>, X. P. Hou<sup>3</sup>, J. Wegiel<sup>4</sup> and P. Whitaker-Azmitia<sup>5</sup>, (1)New York University, New York, NY, (2)New York University, New York, NY, (3)New York University, New York, NY, (4)Developmental Neurobiology, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (5)State University of New York, Stony Brook, NY

10:00 **42 116.002** Three-Dimensional Reconstruction and Analysis of Laminar Microstructure In Young Autistic Males. R. Stoner<sup>1</sup> and E. Courchesne, Neurosciences and UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA

11:00 **43 116.003** Accumulation of Amyloid-Beta Peptide Species In Four Brain Structures In Children with Autism. J. Frackowiak<sup>1</sup>, B. Mazur-Kolecka<sup>1</sup>, I. Kuchna<sup>1,2</sup>, K. Nowicki<sup>1</sup>, W. T. Brown<sup>3</sup> and J. Wegiel<sup>1</sup>, (1)Developmental Neurobiology, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (2)Developmental Neurobiology, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (3) Human Genetics, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY

Poster Sessions

116 - Services - I

8:00 AM - 1:00 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 9:00 **48 116.079** The Educational Placement of Children with ASD In Middle Childhood: The Contribution of Child Attachment and Maternal Insightfulness. S. Dolev<sup>1</sup>, D. Oppenheim<sup>2</sup>, N. Koren-Karie<sup>3</sup> and N. Yirmiya<sup>4</sup>, (1)Oranim Academic College of Education, Tivon, Israel, (2)Haifa University, Haifa, Israel, (3)Haifa University, Haifa, Israel, (4)Psychology, Hebrew University Jerusalem, Jerusalem, Israel
- 10:00 **49 116.080** Use of Services and Cost of Autism in Adulthood. M. Farley<sup>1</sup>, D. Bilder<sup>2</sup>, H. Coon<sup>3</sup>, W. M. McMahon<sup>4</sup> and R. Nelson<sup>5</sup>, (1)University of Utah, Salt Lake City, UT, United States, (2)Psychiatry, University of Utah School of Medicine, Salt Lake City, UT, (3)University of Utah School of Medicine, Salt Lake City, UT, (4)Department of Psychiatry, University of Utah, Salt Lake City, UT, (5)Division of Epidemiology, University of Utah, Salt Lake, UT
- 11:00 **50 116.081** Should Medication for Children with Autism Spectrum Disorders Be Prescribed Using Measurable and Observable Data? Preliminary Findings From a Teacher Questionnaire. A. M. Krasno<sup>1</sup>, L. K. Koegel<sup>1</sup>, H. Taras<sup>2</sup>, R. L. Koegel<sup>3</sup> and W. Frea<sup>4</sup>, (1)Counseling, Clinical, and School Psychology, University of California, Santa Barbara, Santa Barbara, CA, (2)Pediatrics, University of California, San Diego, La Jolla, CA, (3)University of California, Santa Barbara, Santa Barbara, CA, United States, (4)Autism Spectrum Therapies, Culver City, CA
- 9:00 **51 116.082** The Effect of Childhood Autism on Parental Employment. Z. Cidav<sup>1</sup>, S. C. Marcus<sup>2</sup> and D. S. Mandell<sup>3</sup>, (1)University of Pennsylvania School of Medicine, Philadelphia, PA, (2)University of Pennsylvania, Philadelphia, PA, (3)University of Pennsylvania School of Medicine, Philadelphia, PA
- 10:00 **52 116.083** Living with Autism: Parents of Adults with Autism Who Live In a Residential Home Tell Their Life Narratives. E. Mishori<sup>1</sup> and N. Yirmiya<sup>2</sup>, (1)Psychology and Education, The Hebrew university Jerusalem, Jerusalem, Israel, (2)Psychology, Hebrew University Jerusalem, Jerusalem, Israel
- 11:00 **53 116.084** Autism Screening In Under-Served Populations. Y. M. Janvier<sup>1</sup>, J. Harris<sup>2</sup> and G. Cable<sup>3</sup>, (1)Children's Specialized Hospital, Toms River, NJ, (2)Children's Specialized Hospital, Mountainside, NJ, (3)Children's Specialized Hospital, New Brunswick, NJ
- 9:00 **54 116.085** Evaluation of the Factors Associated with At-Risk for Autism Designation During Developmental Screening, and Agreement Between At-Risk Designation and Subsequent Clinical Diagnosis In Young Children: A Retrospective, Observational Study. J. Harris<sup>1</sup>, Y. M. Janvier<sup>2</sup> and G. Cable<sup>3</sup>, (1)Children's Specialized Hospital, Mountainside, NJ, (2)Children's Specialized Hospital, Toms River, NJ, (3)Children's Specialized Hospital, New Brunswick, NJ
- 10:00 **55 116.086** Characteristics of Children Referred for Evaluation of Autism Spectrum Disorders In a Community-Based Mental Health Setting. N. Stadnick<sup>1</sup>, N. Akshoomoff<sup>2</sup>, K. Nguyen Williams<sup>2</sup>, G. Cerda<sup>2</sup> and L. I. Brookman-Frazee<sup>2</sup>, (1)San Diego State University/University of California, San Diego Joint Doctoral Program in Clinical Psychology, San Diego, CA, (2)University of California, San Diego, La Jolla, CA
- 11:00 **56 116.087** Screening for Autism at 12 Months: Physician and Parent Perceptions. E. R. Crais<sup>1,2</sup>, B. P. Humphreys<sup>3</sup>, C. McComish<sup>4</sup>, L. R. Watson<sup>2</sup>, G. T. Baranek<sup>2</sup>, J. S. Reznick<sup>5</sup>, R. Christian<sup>6</sup> and M. Earls<sup>7</sup>, (1)Division of Speech & Hearing Sciences, University of North Carolina at Chapel Hill, Chapel Hill, NC, (2)University of North Carolina at Chapel Hill, Chapel Hill, NC, (3)University of New Hampshire, Durham, NH, (4)Division of Speech & Hearing Sciences, University of North Carolina, Chapel Hill, NC, (5)University of North Carolina - Chapel Hill, Chapel Hill, NC, (6)Carolina Institute for Developmental Disabilities, University of North Carolina, Chapel Hill, NC, (7)Guildford Child Health, Greensboro, NC
- 9:00 **57 116.088** State Differences and Comprehensive Treatment Model Characteristics Affecting the Receipt of Educational and Therapeutic Services for School-Aged Children with Autism Spectrum Disorder. D. Irvin<sup>1</sup>, B. Boyd<sup>1</sup>, M. McBee<sup>1</sup>, K. Hume<sup>2</sup> and S. Odom<sup>3</sup>, (1)University of North Carolina at Chapel Hill, Chapel Hill, NC, (2)Frank Porter Graham Child Development Institute, University of North Carolina, Chapel Hill, Chapel Hill, (3)University of North Carolina, Chapel Hill, NC
- 10:00 **58 116.089** Emergency Department Utilization by Adolescents and Adults with Autism Spectrum Disorders Living with Minimal Support, with Family and In Supported Group Homes. A. Tint<sup>1</sup>, S. Robinson<sup>2</sup>, J. A. Weiss<sup>1</sup> and Y. Lunsby<sup>2</sup>, (1)York University, Toronto, ON, Canada, (2)Centre for Addiction and Mental Health, Toronto, ON, Canada
- 11:00 **59 116.090** Participation In Main Stream Schools – A Reality for Students with ASC?. M. Falkmer<sup>1</sup> and T. S. Falkmer<sup>2</sup>, (1)HLK, Jonkoping University, Jonkoping, Sweden, (2)School of Occupational Therapy and Social Work, Curtin University, Perth, Australia
- 9:00 **60 116.091** Developing the Japanese Version of the VABS-II (2): Examining the Validity by Confirmatory Factor Analyses. F. Someki<sup>1,2</sup>, M. Tsujii<sup>3</sup>, I. Tani<sup>2</sup> and H. Ito<sup>4</sup>, (1)Department of Educational Psychology, University of Minnesota, Minneapolis, MN, (2)Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (3)Department of Contemporary Sociology, Chukyo University, Nagoya, Japan, (4)Nagoya University, Nagoya, Japan
- 10:00 **61 116.092** Levels of ASD Recognition and Attitudes Towards Treatments and Interventions In the Chinese General Population. X. Zhou<sup>1</sup>, J. Wang, W. Xia, C. Sun, X. Wang and L. Wu, Harbin Medical University, Harbin, China
- 11:00 **62 116.093** Development of Children with Autism Spectrum Disorders In Special Education. R. Stoutjesdijk<sup>1</sup>, E. M. Scholte and H. Swaab, Clinical Child and Adolescent Studies, Leiden University, Leiden, Netherlands
- 9:00 **63 116.094** Parent-Reported Status and Expectations for Their Autistic Student Children: An Analysis of the 2007 National Household Education Survey. M. J. Carey<sup>1</sup>, Self, San Jose, CA

- 10:00 **64 116.095** Cross-Cultural Comparisons of Social Expectations of Individuals with Autism. F. A. Boujarwah<sup>1</sup>, N. Nazneen<sup>2</sup>, H. Hong<sup>3</sup>, G. D. Abowd<sup>4</sup> and R. Arriaga<sup>4</sup>, (1)Georgia Institute of Technology, HSI, Atlanta, GA, (2)Georgia Institute of Technology, Atlanta, GA, (3)Georgia Institute of Technology, Atlanta, GA, (4)Georgia Institute of Technology, Atlanta, GA
- 11:00 **65 116.096** Expanding Medicaid Access for Children with ASD Through Home-and-Community-Based Waivers and the TEFRA Medicaid Eligibility Option: A National Study. R. M. Semansky<sup>1</sup>, Penn/CHOP Center for Autism Research, University of Pennsylvania School of Medicine, Philadelphia, PA
- 9:00 **66 116.097** A Snapshot of Autism In Qatar From the Eyes of Parents/Caregivers. O. M. Ghoneim<sup>1</sup>, N. Kheir<sup>2</sup>, S. A. Hayder<sup>3</sup>, M. S. Al Ismail<sup>3</sup>, A. L. Sandridge<sup>4</sup>, I. Shafeullah<sup>5</sup> and F. T. Al-Rawi<sup>6</sup>, (1)P.O box 2713, College of Pharmacy, Qatar University, Doha, Qatar, (2)College of Pharmacy, Qatar University, Doha, Qatar, (3)Qatar University, Doha, Qatar, (4)Shafallah Centre for Children with Special Needs, Doha, Qatar, (5)Shafallah Centre for Children with Special Needs, Doha, Qatar, (6)Children Rehabilitation Section, Hamad Medical Corporation, Doha, Qatar
- 10:00 **67 116.098** Parent-Reported Health Care Expenditure Associated with Autism Spectrum Disorders In Heilongjiang Province, P.R. China. L. Wu<sup>1</sup>, J. Wang<sup>2</sup>, X. Zhou<sup>2</sup>, W. Xia<sup>2</sup>, C. Sun<sup>2</sup> and J. Wang<sup>3</sup>, (1)157 BaoJian Rd, NanGang District, Harbin, China, (2)Harbin Medical University, Harbin, China, (3)University of Calgary, Calgary, QC, Canada
- 11:00 **68 116.099** Occupational Therapy for People with Autism: Current Australian Practices and CPD Needs. S. Rodger<sup>1</sup> and J. Ashburner<sup>2</sup>, (1)Therapies Building 84A, Therapies Road, Brisbane, Australia, (2)Autism Queensland, Brisbane, Australia
- 9:00 **69 116.100** Identifying Barriers Faced by Parents When Accessing ASD Services: Analyses From the 2009 Pennsylvania Autism Needs Assessment. P. J. Doehring<sup>1</sup>, D. R. Langer, L. J. Lawer, E. Brusilovskiy, M. A. McCarthy, C. B. Zimmerman and D. S. Mandell, Children's Hospital of Philadelphia, Center for Autism Research, Philadelphia, PA
- 10:00 **70 116.101** The Influence of Workplace Factors on Evidence-Based Speech Pathology Practice for Children with Autism Spectrum Disorder. G. Cheung<sup>1</sup>, D. Trembath<sup>2</sup>, J. Arciuli<sup>3</sup> and L. Togher<sup>1</sup>, (1)Discipline of Speech Pathology, The University of Sydney, Lidcombe, Australia, (2)Olga Tennison Autism Research Centre, La Trobe University, Bundoora, Australia
- 11:00 **71 116.102** PARS-Short Version Screening System for Recognizing ASD Children's Early Support Needs on the Public Health Checkup Service for 3-Year-Old Children In Japan. S. Nakajima<sup>1</sup>, N. Mochizuki<sup>2</sup>, I. Tani<sup>3</sup>, F. Someki<sup>3</sup> and M. Tsujii<sup>4</sup>, (1)Osaka-Hamamatsu Joint center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (2)Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (3)Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (4)Department of Contemporary Sociology, Chukyo University, Nagoya, Japan
- 9:00 **72 116.103** The Japanese Version of the Modified Checklist for Autism In Toddlers (M-CHAT) Screening System for Recognizing ASD Children's Early Support Needs on the Public Health Checkup for 18 Months-Old-Children. N. Mochizuki<sup>1</sup>, S. Nakajima<sup>2</sup>, I. Tani<sup>3</sup>, F. Someki<sup>3</sup> and M. Tsujii<sup>4</sup>, (1)Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (2)Osaka-Hamamatsu Joint center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (3)Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (4)Department of Contemporary Sociology, Chukyo University, Nagoya, Japan
- 10:00 **73 116.104** Developing the Japanese Version of the VABS-II (1): Developmental Changes of the Normally Developing Sample. M. Tsujii<sup>1</sup>, I. Tani<sup>2</sup>, H. Ito<sup>3</sup> and F. Someki<sup>2,4</sup>, (1)Chukyo University, Toyota, Aichi, Japan, (2)Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (3)Nagoya University, Nagoya City, Japan, (4)Department of Educational Psychology, University of Minnesota, Minneapolis, MN
- 11:00 **74 116.105** South Carolina Autism Treatment Network: Using Telepsychiatry to Increase Early Identification and Screening In Pediatric Practices. A. V. Hall<sup>1</sup>, R. K. Abramson<sup>1</sup>, E. E. Wilkinson<sup>1</sup>, A. Kinsman<sup>2</sup>, D. P. Kelly<sup>3</sup> and H. H. Wright<sup>1</sup>, (1)Department of Neuropsychiatry, University of South Carolina, Columbia, SC, (2)Greenville Hospital System, Greenville, SC, United States, (3)Greenville, SC
- 9:00 **75 116.106** Screening Based on Information Communication Technology for Detection of Autism Spectrum Disorders In Paediatric Outpatient Clinics of Primary Care of Castilla y León. R. Canal-Bedia<sup>1</sup>, V. Martin-Cilleros<sup>2</sup>, L. Herraiz<sup>2</sup>, Z. Guisuraga<sup>2</sup>, M. Herraiz<sup>2</sup>, J. Santos<sup>3</sup>, P. Garcia-Primo<sup>3</sup> and M. Posada<sup>4</sup>, (1)Salamanca, Spain, (2)Universidad de Salamanca, Salamanca, Spain, (3)Instituto de Salud Carlos III, Madrid, Spain, (4)Carlos III Health Institute, Madrid, Spain
- 10:00 **76 116.107** Unmet Healthcare Needs of Children with ASD and Their Families. J. E. Farmer<sup>1</sup>, M. J. Clark<sup>1</sup>, W. A. Mayfield<sup>2</sup>, A. R. Marvin<sup>3</sup> and J. K. Law<sup>3</sup>, (1)Thompson Center for Autism & Neurodevelopmental Disorders, University of Missouri, Columbia, MO, (2)Center for Family Policy & Research, University of Missouri, Columbia, MO, (3)Kennedy Krieger Institute, Baltimore, MD
- 11:00 **77 116.108** Provision of Transition Services for Children with Autism Spectrum Disorders. N. C. Cheak-Zamora<sup>1</sup>, J. E. Farmer<sup>2</sup>, W. A. Mayfield<sup>3</sup>, J. K. Law<sup>4</sup> and A. R. Marvin<sup>5</sup>, (1)Columbia, MO, (2)Thompson Center for Autism & Neurodevelopmental Disorders, University of Missouri, Columbia, MO, (3)Center for Family Policy & Research, University of Missouri, Columbia, MO, (4)Kennedy Krieger Institute, Baltimore, MD, United States, (5)3825 Greenspring Avenue/Painter Building 1st Floor, Kennedy Krieger Institute, Baltimore, MD
- 9:00 **78 116.109** Progress and Challenge of Community-Based Rehabilitation Programs In the Palestinian Territories. J. Odeh<sup>1</sup>, J. H. Awad<sup>1</sup>, D. T. Isawi<sup>1</sup> and M. Elsabbagh<sup>2</sup>, (1)Palestinian Happy Child Center, Ramallah, Palestine, (2)Centre for Brain and Cognitive Development, Birkbeck, London, United Kingdom

Poster Sessions

116 - Services - II

8:00 AM - 1:00 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 9:00 **79 116.110** Development and Evaluation of a Transition Intervention for Youth and Young Adults with ASD. L. Ghali<sup>1</sup>, D. B. Nicholas<sup>2</sup>, M. Clarke<sup>1</sup>, B. Beingessner<sup>1</sup> and W. Roberts<sup>3</sup>, (1)Sinneave Family Foundation, Calgary, AB, Canada, (2)University of Calgary, Edmonton, AB, Canada, (3)University of Toronto, Toronto, ON, Canada
- 10:00 **80 116.111** Validation of Parent Collected Observational Data In the Natural Environment. A. J. Findley<sup>1</sup>, R. Arriaga<sup>2</sup>, D. M. Swartzwelder<sup>1</sup>, N. Nazneen<sup>3</sup>, G. D. Abowd<sup>2</sup> and N. A. Call<sup>1</sup>, (1)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA, (2)Georgia Institute of Technology, Atlanta, GA, United States, (3)Georgia Institute of Technology, Atlanta, GA
- 11:00 **81 116.112** Efficacy of a Public School Intensive Parent Training Program for Difficult Behavior of Children with the Autisms. E. Delpizzo-Cheng<sup>1</sup>, Department of Special Education - Autism Programs, Newport-Mesa Unified School District, Costa Mesa, CA
- 9:00 **82 116.113** Relationship Between Ethnic and Socioeconomic Classification and Parents' Perception of Autism Symptoms In Their Toddlers. S. Tek<sup>1</sup>, A. Faherty<sup>1</sup> and R. J. Landa<sup>2</sup>, (1)Kennedy Krieger Institute for Autism and Related Disorders, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD
- 10:00 **83 116.114** Transition to Community by Adolescents with Asperger Syndrome. E. Giarelli<sup>1</sup>, J. Ruttenberg<sup>2</sup>, A. Hanlon<sup>1</sup> and A. Segal<sup>1</sup>, (1)School of Nursing, University of Pennsylvania, Philadelphia, PA, (2)The Center for Autism
- 11:00 **84 116.115** Practitioner Feedback on An Evolving Classroom-Based Intervention for Preschoolers with Autism. K. P. Wilson<sup>1</sup>, J. Dykstra<sup>1</sup>, L. R. Watson<sup>1</sup>, B. Boyd<sup>1</sup>, E. R. Crais<sup>1</sup>, G. T. Baranek<sup>1</sup>, T. W. Lenhardt<sup>1</sup> and S. Flagler<sup>2</sup>, (1)University of North Carolina at Chapel Hill, Chapel Hill, NC, (2)Wake County Public School System, Raleigh, NC
- 9:00 **85 116.116** Parents' Advice for Professionals Working with Children with Autism Spectrum Disorders and Their Families. B. E. Drouillard<sup>1</sup>, M. N. Gragg<sup>1</sup>, R. T. Miceli<sup>2</sup>, A. M. Mullins<sup>1</sup>, A. J. Beneteau<sup>1</sup> and A. L. Tiede<sup>1</sup>, (1)University of Windsor, Windsor, ON, Canada, (2)St. Clair College, Windsor, ON, Canada
- 10:00 **86 116.117** Who Participates In Support Groups for Parents of Children with Autism Spectrum Disorders? the Role of Beliefs and Coping Style. T. Clifford<sup>1</sup> and P. Minnes, Department of Psychology, Queen's University, Kingston, ON, Canada
- 11:00 **87 116.118** SSC@IAN - A Model for Long-Term Follow-up. T. Zandi<sup>1</sup>, S. B. Johnson<sup>2</sup>, J. K. Law<sup>3</sup>, L. Green Snyder<sup>4</sup>, L. C. White<sup>4</sup>, D. Voccola<sup>5</sup>, C. Anderson<sup>3</sup>, C. W. Atwell<sup>6</sup> and P. A. Law<sup>3</sup>, (1)Medical Informatics, Baltimore, MD, (2)New York, (3)Kennedy Krieger Institute, Baltimore, MD, (4)Autism & Communication Disorders Center, University of Michigan, Ann Arbor, MI, (5)Prometheus Research, LLC, New Haven, CT, (6)Simons Foundation, New York, NY
- 9:00 **88 116.119** Access to Diagnosis and Care Among Latino Children with ASDs. K. Lopez<sup>1</sup> and S. Magana<sup>2</sup>, (1)University of Michigan Autism and Communication Disorders Center, Ann Arbor, MI, (2)University of Wisconsin-Madison, Madison, WI
- 10:00 **89 116.120** Classroom Climate, Program Fidelity, & Outcomes for Students with Autism. H. E. Dingfelder<sup>1</sup>, D. S. Mandell<sup>2</sup> and S. C. Marcus<sup>3</sup>, (1)University of Pennsylvania, Philadelphia, PA, (2)University of Pennsylvania School of Medicine, Philadelphia, PA, (3)University of Pennsylvania, Philadelphia, PA
- 11:00 **90 116.121** Early Diagnosis of ASD In a Community Sample: Who Refers and Why?. L. H. Shulman<sup>1</sup>, K. Hottinger<sup>1</sup>, R. M. Seijo<sup>1</sup> and M. D. Valicenti-McDermott<sup>2</sup>, (1)CERC, Albert Einstein College of Medicine, Bronx, NY, (2)Albert Einstein College of Medicine, Bronx, NY
- 9:00 **91 116.122** Implementing Evidence-Based Strategies In Community Mental Health Clinics: An Individualized Mental Health Intervention for School-Age Children with Autism Spectrum Disorders. L. I. Brookman-Frazee<sup>1</sup>, University of California, San Diego, San Diego, CA
- 10:00 **92 116.123** Multi-Media Social Skills Intervention for Adolescents. M. Murray<sup>1</sup>, A. Pearl and L. A. Smith, Department of Psychiatry, Penn State Hershey, Hershey, PA
- 11:00 **93 116.124** A Web-Based Parenting Tutorial for Young Children with Autism: Improving Everyday Skills and Behaviors. Z. Warren<sup>1</sup>, W. L. Stone<sup>2</sup>, L. Wallace<sup>3</sup>, A. Swanson<sup>3</sup>, K. Robson<sup>4</sup> and K. A. Kobak<sup>4</sup>, (1)2400 Highland Ave, Vanderbilt University, Nashville, TN, (2)University of Washington, Seattle, WA, (3)Vanderbilt University, Nashville, TN, (4)Center for Psychological Consultation, Madison, WI
- 9:00 **94 116.125** Grandparents of Children with ASD. C. Anderson<sup>1</sup>, C. A. Cohen<sup>1</sup>, J. K. Law<sup>2</sup> and P. A. Law<sup>2</sup>, (1)Kennedy Krieger Institute, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD
- 10:00 **95 116.126** Crisis Psychiatric Hospital Program and Its Outcome for Pediatric Patients with Autism Spectrum Disorders and Intellectual Disabilities: A Retrospective Study. R. L. Gabriels<sup>1</sup>, J. A. Agnew<sup>1</sup>, C. Beresford<sup>1</sup>, M. A. Morrow<sup>2</sup>, J. Miller<sup>2</sup> and M. Z. Wamboldt<sup>1</sup>, (1)The Children's Hospital / The University of Colorado at Denver and Health Sciences Center, Aurora, CO, (2)The Children's Hospital, Aurora, CO
- 11:00 **96 116.127** Support Needs, Service Gaps and Perceived Solutions From the Perspectives of Young Persons with ASD and Their Family. I. E. Drmic<sup>1</sup>, W. Roberts<sup>2</sup>, D. B. Nicholas<sup>3</sup>, B. Muskat<sup>1</sup>, C. Roncadin<sup>4</sup>, J. Levine<sup>1</sup>, S. Mitchell<sup>1</sup>, J. Lake<sup>1</sup>, J. Mulligan<sup>1</sup>, K. Gionfriddo<sup>1</sup>, E. Ko<sup>1</sup>, K. Johnson<sup>5</sup> and L. Zwaigenbaum<sup>6</sup>, (1)Hospital for Sick Children, Toronto, ON, Canada, (2)University of Toronto, Toronto, ON, Canada, (3)University of Calgary, Edmonton, AB, Canada, (4)Peel Children's Centre, Mississauga, ON, Canada, (5)Surrey Place Centre, Toronto, ON, Canada, (6)Pediatrics, University of Alberta, Edmonton, AB, Canada
- 9:00 **97 116.128** Documenting Service Use and Satisfaction Across Time In Families. N. Akshoomoff<sup>1</sup>, A. C. Stahmer<sup>2</sup> and G. Piccolini<sup>2</sup>, (1)Department of Psychiatry, University of California, San Diego, La Jolla, CA, (2)Rady Children's Hospital, San Diego, San Diego, CA
- 10:00 **98 116.129** Family Empowerment, Acceptance, and Crisis In Families of Children with ASD. J. A. MacMullin<sup>1</sup>, J. A. Weiss<sup>1</sup> and Y. Lunsky<sup>2</sup>, (1)Department of Psychology, York University, Toronto, ON, Canada, (2)Centre for Addiction and Mental Health, Toronto, ON, Canada

- 11:00 **99 116.130** Age-Related Differences In Treatment Utilization for Children with Autism Spectrum Disorders. S. S. Mire<sup>1,2</sup>, C. M. Brewton<sup>1</sup> and R. P. Goin-Kochel<sup>3</sup>, (1)Baylor College of Medicine, Houston, TX, (2)University of Houston, Houston, TX, (3)Baylor College of Medicine, Houston, TX
- 9:00 **100 116.131** Contrasting Language Environments of Four Children with Autism: Home and Preschool. E. Sliwkanich<sup>1</sup>, V. Smith<sup>2</sup> and S. Patterson<sup>2</sup>, (1)Sherwood Park, AB, Canada, (2)University of Alberta, Edmonton, AB, Canada
- 10:00 **101 116.132** Examination of a Structured Swim Program on Social Interaction, Communication, and Stereotypical Behaviors In Children with Autism Spectrum Disorders (ASD). A. Cross<sup>1</sup> and M. Schneider, Kinesiology, Wilfrid Laurier University, Waterloo, ON, Canada
- 11:00 **102 116.133** Increasing Executive Functioning Skills for College Students Diagnosed with Autism Spectrum Disorders. M. Boman<sup>1</sup>, Kelly Autism Program at Western Kentucky University, Bowling Green, KY
- 9:00 **103 116.134** Psychological Well-Being In Fathers of Adolescents and Young Adults with Autism Spectrum Disorders, Down Syndrome, and Fragile X Syndrome. S. L. Hartley<sup>1</sup>, M. M. Seltzer<sup>2</sup>, L. Abbeduto<sup>3</sup> and L. Head<sup>1</sup>, (1)Waisman Center, Madison, WI, (2)Waisman Center, University of Wisconsin-Madison, Madison, WI, (3)Waisman Center, Madison, WI
- 10:00 **104 116.135** Autism Rapid Diagnosis Clinic: a New Model for Efficient Early Diagnosis and Referral. R. Choueiri<sup>1</sup>, S. Mangan<sup>2</sup> and E. Perrin<sup>3</sup>, (1)Floating Hospital for Children, Boston, MA, (2)Floating Hospital for Children, Boston, MA, (3)Boston, MA
- 11:00 **105 116.136** New Questionnaire for Fathers of Children with Developmental Challenges: Supports and Challenges of Childrearing (SCC). A. R. Ly<sup>1</sup> and W. A. Goldberg, Psychology and Social Behavior, University of California, Irvine, CA
- 9:00 **106 116.137** An Investigation of Parental Perception of Their Child's Autism Spectrum Disorder Diagnostic Evaluation. A. Keefer<sup>1</sup>, L. Kalb<sup>1</sup>, C. Foster<sup>2</sup> and A. M. L. Wilms Floet<sup>3</sup>, (1)Kennedy Krieger Institute, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD, (3)Kennedy Krieger Institute, Baltimore, MD
- 10:00 **107 116.138** Adaptation of the Psychosocial Assessment Tool for Families of Children with Autism Spectrum Disorders. K. K. Deidrick<sup>1</sup> and J. E. Farmer<sup>2</sup>, (1)Health Psychology, Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri-Columbia, Columbia, MO, (2)Thompson Center for Autism & Neurodevelopmental Disorders, Columbia, MO
- 11:00 **108 116.139** The Impact of Teachers' Attitudes Towards Evidence-Based Practices on Experienced Levels of Burnout: Do Comprehensive Treatment Models for Children with Autism Positively Effect Teachers, Too?. C. S. Ghilain<sup>1</sup>, D. C. Coman<sup>2</sup>, A. Gutierrez<sup>2</sup>, K. Hume<sup>3</sup>, B. Boyd<sup>4</sup>, S. Odom<sup>5</sup> and M. Alessandri<sup>2</sup>, (1)University of Miami, Coral Gables, FL, (2)University of Miami, Coral Gables, FL, (3)Frank Porter Graham Child Development Institute, University of North Carolina, Chapel Hill, Chapel Hill, (4)University of North Carolina at Chapel Hill, Chapel Hill, NC, (5)University of North Carolina, Chapel Hill, NC
- 9:00 **109 116.140** Neurodiversity and the Internet: A Survey of Individuals with Autism, Family Members, and Others. K. Gillespie-Lynch<sup>1</sup>, S. K. Kapp<sup>2</sup>, D. S. Smith<sup>3</sup>, P. M. Greenfield<sup>3</sup>, J. Atkinson<sup>3</sup>, A. Navab<sup>4</sup> and T. Hutman<sup>5</sup>, (1)Los Angeles, CA, (2)Moore Hall, Box 951521, University of California, Los Angeles, Los Angeles, CA, (3)UCLA, Los Angeles, CA, (4)University of California, Los Angeles, Los Angeles, CA, (5)Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA
- 10:00 **110 116.141** Building a Knowledge Base to Support the Authoring of Social Skills Instructional Modules. F. A. Boujarwah<sup>1</sup>, J. G. Kim<sup>2</sup>, M. O. Riedl<sup>2</sup>, R. Arriaga<sup>3</sup> and G. D. Abowd<sup>3</sup>, (1)Georgia Institute of Technology, HSI, Atlanta, GA, United States, (2)Georgia Institute of Technology, Atlanta, GA, (3)Georgia Institute of Technology, Atlanta, GA
- 11:00 **111 116.142** Fathers — the Forgotten Man: Psychological Experiences of Parents of Children with Autism. M. Elfert<sup>1</sup> and P. Mirenda<sup>2</sup>, (1)North Vancouver, BC, Canada, (2)University of British Columbia, Vancouver, BC, Canada
- 9:00 **112 116.143** Group Parent Education for Toilet Training Children with Autism: Pilot Data. K. A. Kroeger<sup>1</sup>, Kelly O'Leary Center for Autism Spectrum Disorders, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

**Poster Sessions**

**116 - Structural and Functional Brain Imaging**

8:00 AM - 1:00 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 9:00 **113 116.008** Anatomical Connectivity-Based Analysis of Autism Using Diffusion Tensor Imaging. Z. Xue<sup>1</sup>, H. Li<sup>1</sup>, T. M. Ellmore<sup>2</sup>, B. Malmberg<sup>2</sup>, R. E. Frye<sup>2</sup> and S. T. Wong<sup>1</sup>, (1)Bioengineering and Bioinformatics Program, The Methodist Hospital Research Institute, Weill Cornell Medical College, Houston, TX, (2)University of Texas Houston Health Science Center, Houston, TX
- 10:00 **114 116.009** Brain Activation Changes In Autism During Learning In a Spatial Working Memory Task. S. E. Schipul<sup>1</sup>, D. L. Williams<sup>2</sup> and M. A. Just<sup>1</sup>, (1)Center for Cognitive Brain Imaging, Carnegie Mellon University, Pittsburgh, PA, (2)Duquesne University, Pittsburgh, PA
- 11:00 **115 116.010** The Costs and Benefits of a Larger Brain: The Relationship Between Head Circumference and Autism-Related Traits In Typically Developing Children 12-65 Months Old. J. C. Sullivan<sup>1</sup>, S. Baron-Cohen<sup>2</sup> and A. Humphrey<sup>3</sup>, (1)Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (2)Autism Research Centre, Department of Psychiatry, University of Cambridge, Cambridge, United Kingdom, (3)Department of Psychiatry, University of Cambridge, Cambridge, United Kingdom
- 9:00 **116 116.011** False Beliefs and Intentions: Can the Brain Tell the Difference?. S. Carrington<sup>1,2</sup> and A. J. Bailey<sup>2,3</sup>, (1)Wales Autism Research Centre, School of Psychology, Cardiff University, Cardiff, United Kingdom, (2)Department of Psychiatry, University of Oxford, Headington, Oxford, United Kingdom, (3)UBC Institute of Mental Health, University of British Columbia, Vancouver, BC, Canada



- 10:00 **117 116.012** Low Sensory Reliability In Autism. I. Dinstei<sup>1</sup>, R. Malach<sup>1</sup>, L. Lorenzi<sup>2</sup>, D. J. Heeger<sup>3</sup> and M. Behrmann<sup>2</sup>, (1)Weizmann Institute of Science, Rehovot, Israel, (2)Carnegie Mellon University, Pittsburgh, PA, (3)New York University, New York, NY
- 11:00 **118 116.013** Neural Activation In Response to Sensory Stimuli In Adolescents and Children with and without ASD. S. A. Green<sup>1</sup>, D. Shirinyan<sup>2</sup>, N. L. Colich<sup>2</sup>, J. D. Rudie<sup>2</sup>, M. Dapretto<sup>3</sup> and S. Y. Bookheimer<sup>3</sup>, (1)Psychology, University of California, Los Angeles, Los Angeles, CA, (2)Brain Mapping Center, University of California, Los Angeles, Los Angeles, CA, (3)Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, Los Angeles, CA
- 9:00 **119 116.014** Reward System Response to Highly Salient Social Rewards In Autism. D. Shirinyan<sup>1</sup>, J. Hopkins<sup>2</sup>, J. D. Rudie<sup>3,4</sup>, M. Dapretto<sup>3,5</sup> and S. Y. Bookheimer<sup>5</sup>, (1)UCLA, Center for Autism Research and Treatment, Los Angeles, CA, (2)Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA, (3)Brain Mapping Center, University of California, Los Angeles, Los Angeles, CA, (4)UCLA, Los Angeles, CA, (5)Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, Los Angeles, CA
- 10:00 **120 116.015** Social and Non-Social Memory In Autism: Delineating the Role of the Hippocampus and Amygdala. R. S. Brezis<sup>1</sup>, D. Pham<sup>2</sup>, O. L. T. Wong<sup>3</sup> and J. Piggot<sup>4</sup>, (1)Comparative Human Development, University of Chicago, Chicago, IL, (2)UCLA, Los Angeles, CA, (3)UCLA, Los Angeles, CA, (4)University of California, Los Angeles, CA
- 11:00 **121 116.016** Brain Mechanisms for Processing Social Approach: Relationships to Autistic Traits. M. B. Farmer<sup>1</sup>, M. Shiffrat<sup>2</sup>, K. A. Pelphrey<sup>1</sup> and M. D. Kaiser<sup>1</sup>, (1)Child Study Center, Yale University, New Haven, CT, (2)Psychology Department, Rutgers University, Newark, NJ
- 9:00 **122 116.017** Neural Network Associated with Social Cognition and Communication In Adults with ASD: A Structural MRI Connectivity Study. E. Anagnostou<sup>1</sup>, E. G. Duerden<sup>2</sup>, K. A. R. Doyle-Thomas<sup>1</sup>, M. J. Taylor<sup>3</sup>, L. V. Soorya<sup>4</sup>, A. T. Wang<sup>4</sup> and J. Fan<sup>5</sup>, (1)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (2)Department of Diagnostic Imaging, The Hospital for Sick Children, Toronto, ON, Canada, (3)Department of Diagnostic Imaging, Hospital for Sick Children, Toronto, ON, Canada, (4)Psychiatry, Mount Sinai School of Medicine, New York, NY, (5)Psychiatry, Mount Sinai School of Medicine, New York City, NY
- 10:00 **123 116.018** Object-Based Attention Modulation to Social and Nonsocial Stimuli In Children with Autism Spectrum Disorders. J. A. Eilbott<sup>1</sup>, D. Z. Bolling, S. M. Lee, K. A. Pelphrey and B. C. Vander Wyk, Child Study Center, Yale University, New Haven, CT
- 11:00 **124 116.019** Patterns of Brain Activation Among Children with ASD When Observing Joint Vs. Parallel Play. J. Letzen<sup>1</sup>, R. T. Schultz, E. T. Hunyadi, M. Riley, J. M. Taylor and J. D. Herrington, Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA
- 9:00 **125 116.020** Self-Other Correspondence In Joint Attention and Autism. J. H. G. Williams<sup>1</sup>, M. McWhirr<sup>1</sup> and G. D. Waiter<sup>2</sup>, (1)Mental Health, University of Aberdeen, Aberdeen, United Kingdom, (2)Aberdeen Biomedical Imaging Centre, University of Aberdeen, Aberdeen, United Kingdom
- 10:00 **126 116.021** Self-Other Differentiation In Cortical Midline Structures Is Atypical In Children and Adolescents with High-Functioning ASD. J. H. Pfeifer<sup>1</sup>, J. S. Merchant<sup>1</sup>, N. L. Colich<sup>2</sup>, J. D. Rudie<sup>2</sup> and M. Dapretto<sup>2</sup>, (1)Psychology, University of Oregon, Eugene, OR, (2)Brain Mapping Center, University of California, Los Angeles, CA
- 11:00 **127 116.022** Serotonergic Modulation of Go/No-Go Executive Function Task In People with Asperger: An fMRI and Acute Tryptophan Depletion Study. E. Daly<sup>1</sup>, Q. Deeley<sup>2</sup>, C. Ecker<sup>3</sup>, N. Gillian<sup>4</sup>, D. Spain<sup>5</sup>, K. Rubia<sup>6</sup>, C. M. Murphy<sup>7</sup>, P. Johnston<sup>3</sup> and D. G. Murphy<sup>3</sup>, (1)Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, Kings College London, London, United Kingdom, (2)Institute of Psychiatry, King's College London, London, United Kingdom, (3)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom, (4)Institute of Psychiatry, Kings College London, London, United Kingdom, (5)South London and Maudsley NHS Foundation Trust, se5 8af, (6)King's College London, Institute of Psychiatry, London, (7)Department of Forensic and Neurodevelopmental Sciences, King's College London, Institute of Psychiatry, London, United Kingdom
- 9:00 **128 116.023** The Effect of Object Goals and Visibility on the Mirror Neuron System In Autism and Typical Development. J. J. Pokorny<sup>1,2</sup>, N. V. Hatt<sup>3</sup>, C. Colombi<sup>4</sup>, G. Vivanti<sup>1</sup>, S. J. Rogers<sup>5</sup> and S. Rivera<sup>6</sup>, (1)The M.I.N.D. Institute, University of California at Davis Medical Center, Sacramento, CA, (2)Psychiatry and Behavioral Sciences, University of California Davis, Sacramento, CA, (3)University of California, Davis, Davis, CA, United States, (4)University of Michigan, Ann Arbor, MI, United States, (5)Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA, (6)University of California, Davis, CA
- 10:00 **129 116.024** The Mirror Neuron System In Siblings of Children with An Autism Spectrum Disorder : An EEG Study. L. Ruyschaert<sup>1</sup>, P. Warreyn, J. R. Wiersema and H. Roeyers, Department of Experimental - Clinical and Health Psychology, Ghent University, Ghent, Belgium
- 11:00 **130 116.025** Title: Brain Responses to Fearful Faces Differentiate Childhood Disintegrative Disorder From Other Autism Spectrum Disorders. A. Westphal<sup>1</sup>, A. C. Voos<sup>2</sup>, M. D. Kaiser<sup>3</sup>, B. C. Vander Wyk<sup>2</sup>, N. B. Pitskel<sup>4</sup>, F. R. Volkmar<sup>2</sup> and K. A. Pelphrey<sup>2</sup>, (1)Yale Child Study Center, Hamden, CT, (2)Child Study Center, Yale University, New Haven, CT, (3)Child Study Center, Yale University, New Haven, CT, (4)University of Pittsburgh School of Medicine, Pittsburgh, PA
- 9:00 **131 116.026** When Is a Face a Boat?: An fMRI Study In Category Perception In ASD. R. I. Pillai<sup>1</sup>, E. S. MacDonnell<sup>2</sup>, H. Seib<sup>2</sup>, K. A. Pelphrey<sup>2</sup> and B. C. Vander Wyk<sup>2</sup>, (1)New Haven, CT, (2)Child Study Center, Yale University, New Haven, CT
- 10:00 **132 116.027** fMRI of Implicit Phonological Processing In Autism. L. B. Wilson<sup>1</sup>, J. R. Tregellas, E. Slason, B. E. Pasko, S. Hepburn and D. C. Rojas, University of Colorado Denver, Anschutz Medical Campus, Aurora, CO
- 11:00 **133 116.028** "Resting Brain" In Autism: Functional Deactivation and Connectivity of the Default Mode Network. D. L. Murdaugh<sup>1</sup>, M. R. Pennick and R. K. Kana, University of Alabama at Birmingham, Birmingham, AL

- 9:00 **134 116.029** Microstructural White Matter Properties In Autism Spectrum Conditions: Correlations with Empathy. A. N. Ruigrok<sup>1</sup>, H. Howells<sup>2</sup>, M. V. Lombardo<sup>1</sup>, S. A. Sadek<sup>1</sup>, G. Pasco<sup>1</sup>, F. dell'Acqua<sup>2</sup>, M. C. Lai<sup>1</sup>, M. Catani<sup>2</sup>, D. G. Murphy<sup>3</sup>, U. K. MRC AIMS Consortium<sup>4</sup> and S. Baron-Cohen<sup>1</sup>, (1)Autism Research Centre, Department of Psychiatry, University of Cambridge, Cambridge, United Kingdom, (2)Section of Brain Maturation, Department of Psychological Medicine and Psychiatry, Institute of Psychiatry, King's College London, London, United Kingdom, (3)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom, (4)Institute of Psychiatry, King's College London; University of Cambridge; University of Oxford, London, United Kingdom
- 10:00 **135 116.030** Relationship Between Handedness and Language Lateralization In Autism. A. Froehlich<sup>1</sup>, J. S. Anderson<sup>2</sup>, N. Lange<sup>3</sup>, B. A. Zielinski<sup>4</sup>, M. B. DuBray<sup>5</sup>, J. A. Nielsen<sup>5</sup>, A. Cariello<sup>1</sup>, J. R. Cooperrider<sup>5</sup>, E. D. Bigler<sup>6</sup>, A. L. Alexander<sup>7</sup>, P. T. Fletcher<sup>8</sup> and J. E. Lainhart<sup>9</sup>, (1)Psychiatry, University of Utah, SLC, UT, (2)Radiology, University of Utah, SLC, UT, (3)Psychiatry and Biostatistics, Harvard University, Cambridge, MA, (4)Pediatric Neurology, University of Utah, Salt Lake City, UT, (5)Neuroscience, University of Utah, SLC, UT, (6)Psychology and Neuroscience, Brigham Young University, Provo, UT, (7)Medical Physics and Psychiatry, University of Wisconsin, Madison, WI, (8)School of Computing, University of Utah, SLC, UT, (9)Psychiatry and Neuroscience, University of Utah, SLC, UT
- 11:00 **136 116.031** Aberrant Interregional Correlations of Cortical Thickness In Autism Spectrum Disorders. G. Wallace<sup>1</sup>, S. J. Gotts<sup>2</sup>, N. A. Dankner<sup>3</sup>, B. L. Robustelli<sup>2</sup>, L. Kenworthy<sup>4</sup>, J. Giedd<sup>5</sup> and A. Martin<sup>3</sup>, (1)Bethesda, MD, (2)Laboratory of Brain & Cognition, NIMH/NIH, Bethesda, MD, (3)NIMH, Bethesda, MD, United States, (4)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (5)NIH, Bethesda, MD
- 9:00 **137 116.032** Brain Mechanisms for Emotion Regulation In Children and Adolescents with Autism. N. B. Pitskel<sup>1</sup>, D. Z. Bolling, M. D. Kaiser, M. J. Crowley and K. A. Pelphrey, Child Study Center, Yale University, New Haven, CT
- 10:00 **138 116.033** Absence of Age-Related Cortical Thinning In Autism Spanning Into Adulthood. N. Mateljevic<sup>1</sup>, R. J. Jou<sup>2</sup>, F. R. Volkmar<sup>3</sup> and K. A. Pelphrey<sup>3</sup>, (1)Diagnostic Radiology, Yale University, New Haven, CT, (2)Child Study Center/Investigative Medicine Program, Yale University, New Haven, CT, (3)Child Study Center, Yale University, New Haven, CT
- 11:00 **139 116.034** MRI Analysis of Gyral Window In Normal Brain Development and Its Implications for Studies In Autism. B. A. Dombroski<sup>1</sup>, A. E. Switala<sup>2</sup>, A. S. El-Baz<sup>3</sup> and M. F. Casanova<sup>4</sup>, (1)Department of Anatomical Sciences & Neurobiology, University of Louisville, Louisville, KY, (2)Department of Psychiatry & Behavioral Sciences, University of Louisville, Louisville, KY, (3)Bioengineering, University of Louisville, Louisville, KY, (4)Psychiatry & Behavioral Sciences, University of Louisville, Louisville, KY
- 9:00 **140 116.035** Amygdala Dysfunction In Children and Adolescents with Fragile X Syndrome. S. Y. Kim<sup>1</sup>, J. Burris<sup>1</sup>, F. C. Bassal<sup>1</sup>, F. Tassone<sup>2</sup> and S. Rivera<sup>1</sup>, (1)University of California, Davis, Davis, CA, (2)Department of Biochemistry and Molecular Medicine, University of California Davis School of Medicine, Davis, CA
- 10:00 **141 116.036** Anterior and Posterior Cortical Folding In Autism. G. Fung<sup>1</sup>, C. Cheung<sup>2</sup>, M. E. King<sup>3</sup>, L. Ling<sup>3</sup>, V. Cheung<sup>4</sup>, K. S. Tai<sup>5</sup>, P. Leung<sup>6</sup>, S. F. Hung<sup>7</sup>, T. P. Ho<sup>1</sup>, C. C. Lee<sup>7</sup>, C. P. Tang<sup>7</sup>, S. E. Chua<sup>8,9</sup> and G. M. McAlonan<sup>1,9</sup>, (1)Psychiatry, University of Hong Kong, Hong Kong, Hong Kong, (2)Psychiatry, The University of Hong Kong, Pokfulam, Hong Kong, (3)Education, University of Hong Kong, Hong Kong, Hong Kong, (4)Rehabilitation Sciences, Polytechnic University, Hong Kong, Hong Kong, (5)Hospital Authority, Hong Kong, Hong Kong, (6)Psychology, Chinese University of Hong Kong, Hong Kong, Hong Kong, (7)Psychiatry, Kwai Chung Hospital, Hong Kong, Hong Kong, (8)Psychiatry, University of Hong Kong, Pokfulam, Hong Kong, (9)State Key Laboratory for Brain and Cognitive Sciences, Hong Kong, Hong Kong
- 11:00 **142 116.037** Reduced Acetylcholinesterase Activity In the Fusiform Gyrus In Adults with Autism Spectrum Disorders. K. Nakamura<sup>1</sup>, K. Suzuki<sup>2</sup>, G. Sugihara<sup>2</sup>, Y. Ouchi<sup>3</sup>, M. Tsujii<sup>4</sup>, Y. Iwata<sup>1</sup>, K. Matsumoto<sup>2</sup>, K. Takebayashi<sup>2</sup>, T. Wakuda<sup>1</sup>, Y. Yoshihara<sup>1</sup>, S. Suda<sup>2</sup>, M. Kikuchi<sup>5</sup>, N. Takei<sup>2</sup>, T. Sugiyama<sup>6</sup> and N. Mori<sup>1</sup>, (1)Psychiatry and Neurology, Hamamatsu University School of Medicine, Hamamatsu, Japan, (2)Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (3)Molecular Imaging Frontier Research Center, Hamamatsu University School of Medicine, Hamamatsu, Japan, (4)Department of Contemporary Sociology, Chukyo University, Nagoya, Japan, (5)Psychiatry and Neurobiology, Graduate School of Medical Science, Kanazawa University, Kanazawa, Japan, (6)Child and Adolescent Psychiatry, Hamamatsu University School of Medicine, Hamamatsu, Japan
- 9:00 **143 116.038** Subcortical Contributions to Effective and Anatomical Connectivity In Brain Networks Supporting Imitation. A. Jack<sup>1</sup>, Z. A. Englander and J. P. Morris, Psychology, University of Virginia, Charlottesville, VA
- 10:00 **144 116.039** Caudate Volume In Preschool Age Children with Autism. S. Subramanian<sup>1</sup>, A. Lee, C. W. Nordahl, M. D. Shen, T. J. Simon, S. J. Rogers, S. Ozonoff and D. G. Amaral, Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA
- 11:00 **145 116.040** Functional Connectivity of Attention Networks In Children and Adolescents with ASD: A Resting State fMRI Study. K. M. Leyden<sup>1</sup>, P. Shih<sup>1</sup>, J. K. Oram<sup>1</sup>, J. Spradling<sup>1</sup>, B. Keehn<sup>2</sup> and R. A. Müller<sup>1</sup>, (1)Psychology, Brain Development Imaging Laboratory, San Diego State University, San Diego, CA, (2)San Diego State University / University of California, San Diego, San Diego, CA
- 9:00 **146 116.041** Detailed Spatiotemporal Profiles of Somatosensory Information Processing In Autism Spectrum Disorders as Revealed by MEG. S. Kato<sup>1</sup>, A. Nakamura<sup>2</sup>, K. Yoshiyama<sup>3</sup>, K. Ono<sup>3</sup>, T. Kato<sup>3</sup>, K. Ito<sup>3</sup>, N. Iwata<sup>4</sup> and T. Sugiyama<sup>5</sup>, (1)Department of Child Psychiatry, Aichi Children's Health and Medical Center, Oobu-City, Japan, (2)Department of Clinical and Experimental Neuroimaging, National Center for Geriatrics and Gerontology, Oobu, Japan, (3)2. Department of Clinical and Experimental Neuroimaging, National Center for Geriatrics and Gerontology, Oobu, Japan, (4)3. Department of Psychiatry, Fujita Health University School of Medicine, Toyoake, Japan, (5)Child and Adolescent Psychiatry, Hamamatsu University School of Medicine, Hamamatsu, Japan

- 10:00 **147 116.042** Neural Signatures Predict Autism Diagnosis. M. D. Kaiser<sup>1</sup>, J. A. Eilbott, R. H. Bennett, D. R. Sugrue and K. A. Pelphrey, Child Study Center, Yale University, New Haven, CT
- 11:00 **147A 120.006** Altered Myelination of the Corpus Callosum In Autism. M. Gozzi<sup>1</sup>, A. Hanley<sup>2</sup>, M. Stockman<sup>2</sup>, B. Wade<sup>2</sup>, R. Lenroot<sup>2</sup>, S. J. Spence<sup>1</sup>, A. Thurm<sup>1</sup>, S. Swedo<sup>1</sup> and J. Giedd<sup>2</sup>, (1)Pediatrics & Developmental Neuroscience Branch, National Institute of Mental Health, Bethesda, MD, (2)Child Psychiatry Lab, National Institute of Mental Health, Bethesda, MD

**Poster Sessions**

**116 - Structural and Functional Brain Imaging**

8:00 AM - 1:00 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 9:00 **148 116.043** A Distinct Face-Processing Style In the Broad Autism Phenotype Revealed with fMRI. G. Yucel<sup>1</sup>, M. C. Parlier<sup>1</sup>, R. Adolphs<sup>2,3</sup>, A. Belger<sup>1,4</sup> and J. Piven<sup>1,5</sup>, (1)Psychiatry, University of North Carolina, Chapel Hill (UNC-CH), Chapel Hill, NC, (2)Division of Biology, California Institute of Technology, Pasadena, CA, (3)Division of Humanities and Social Sciences, California Institute of Technology, Pasadena, CA, (4)Brain imaging and Analysis Center, Duke university Medical Center, Durham, NC, (5)The Carolina Institute for Developmental Disabilities, University of North Carolina, Chapel Hill (UNC-CH), Chapel Hill, NC
- 10:00 **149 116.044** Granger Causality Reveals Abnormal Network Structure in the Right Hemisphere in Children with High-Functioning Autism. M. H. Wu<sup>1</sup>, B. Malmberg<sup>1</sup>, T. M. Ellmore<sup>1</sup>, H. Li<sup>2</sup>, Z. Xue<sup>2</sup>, S. T. Wong<sup>2</sup> and R. E. Frye<sup>1</sup>, (1)University of Texas Houston Health Science Center, Houston, TX, (2)Bioengineering and Bioinformatics Program, The Methodist Hospital Research Institute, Weill Cornell Medical College, Houston, TX
- 11:00 **150 116.045** Does Intact Mentalizing Task Performance Equate to Intact Mentalizing?. S. J. White<sup>1</sup>, J. Rellecke<sup>2</sup>, Z. Al-Noor<sup>1</sup> and S. J. Gilbert<sup>1</sup>, (1)University College London, London, United Kingdom, (2)Humboldt-Universität zu Berlin, Berlin, Germany
- 9:00 **151 116.046** White Matter Integrity and Non-verbal Intelligence in Autism. T. M. Ellmore<sup>1</sup>, H. Li<sup>2</sup>, Z. Xue<sup>2</sup>, B. Malmberg<sup>1</sup>, S. T. Wong<sup>2</sup> and R. E. Frye<sup>1</sup>, (1)University of Texas Houston Health Science Center, Houston, TX, (2)Bioengineering and Bioinformatics Program, The Methodist Hospital Research Institute, Weill Cornell Medical College, Houston, TX
- 10:00 **152 116.047** Abnormalities In Neuronal Gamma-Band Synchronization and M100 Latency Delays In First-Degree Relatives of Children with Autism Spectrum Disorders (ASD). K. L. McFadden<sup>1</sup>, D. C. Rojas and S. Hepburn, University of Colorado Denver, Anschutz Medical Campus, Aurora, CO
- 11:00 **153 116.048** Total Cerebral Volume Is Associated with Onset Status In Preschool Age Children with Autism. C. W. Nordahl<sup>1</sup>, A. Lee<sup>1</sup>, M. D. Shen<sup>1</sup>, T. J. Simon<sup>1</sup>, S. J. Rogers<sup>1</sup>, S. Ozonoff<sup>2</sup> and D. G. Amaral<sup>1</sup>, (1)Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA, (2)Psychiatry and Behavioral Sciences, M.I.N.D. Institute, UC Davis, Sacramento, CA

- 9:00 **154 116.049** Action Perception In Children with and without Autism Spectrum Disorders. B. C. Vander Wyk<sup>1</sup>, R. I. Pillai<sup>1</sup>, H. Seib<sup>1</sup>, E. S. MacDonnell<sup>1</sup> and K. A. Pelphrey<sup>2</sup>, (1)Child Study Center, Yale University, New Haven, CT, (2)Yale University Child Study Center, New Haven, CT
- 10:00 **155 116.050** Age-Related Brain Changes Associated with Social Impairments In Children, Adolescents and Adults with Autism Spectrum Disorders. K. A. Doyle-Thomas<sup>1</sup>, E. G. Duerden<sup>2</sup>, M. J. Taylor<sup>3</sup>, L. V. Soorya<sup>4</sup>, A. T. Wang<sup>4</sup>, J. Fan<sup>5</sup> and E. Anagnostou<sup>6</sup>, (1)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (2)The Hospital for Sick Children; Autism Research Unit, Toronto, ON, Canada, (3)Department of Diagnostic Imaging, Hospital for Sick Children, Toronto, ON, Canada, (4)Psychiatry, Mount Sinai School of Medicine, New York, NY, (5)Psychiatry, Mount Sinai School of Medicine, New York City, NY, (6)Bloorview Research Institute, University of Toronto, Toronto, ON, Canada
- 11:00 **156 116.051** An Event-Related Potential Study of Familiar Face Processing In Autism Spectrum Conditions. O. Churches<sup>1,2</sup>, S. Baron-Cohen<sup>3</sup> and H. Ring<sup>4</sup>, (1)Autism Research Centre, Department of Psychiatry, University of Cambridge, Cambridge, United Kingdom, (2)School of Psychology, Social Work and Social Policy, University of South Australia, Adelaide, Australia, (3)Department of Psychiatry, Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (4)University of Cambridge, Cambridge, United Kingdom
- 9:00 **157 116.052** Attentional Capture In ASD: A Combined fMRI-EEG Study. B. Keehn<sup>1</sup>, P. Shih<sup>2</sup>, A. Nair<sup>1</sup>, A. Khan<sup>2</sup>, M. Westerfield<sup>3</sup>, A. J. Lincoln<sup>4</sup>, J. Townsend<sup>3</sup> and R. A. Müller<sup>2</sup>, (1)San Diego State University / University of California, San Diego, San Diego, CA, (2)Psychology, Brain Development Imaging Laboratory, San Diego State University, San Diego, CA, (3)University of California, San Diego, San Diego, CA, (4)Alliant International University; Center for Autism Research, Evaluation and Service, San Diego, CA
- 10:00 **158 116.053** Atypical Brain Response to Simultaneous Touch and Sound In Children with Sensory Processing Differences: A Multisensory Integration Functional Imaging Study. E. J. Marco<sup>1</sup>, L. Hinkley<sup>2</sup>, S. S. Hill<sup>3</sup>, A. Bernard<sup>4</sup>, A. M. Findlay<sup>5</sup>, P. Mukherjee<sup>6</sup> and S. Nagarajan<sup>5</sup>, (1)Larkspur, CA, (2)513 Parnassus Avenue, S362, San Francisco, CA, (3)Box 0114, Child Neurology, UCSF, San Francisco, CA, (4)Denver, CO, (5)San Francisco, CA, (6)Room 308, San Francisco, CA
- 11:00 **159 116.054** Atypical Hemispheric Asymmetry of the Corticospinal Tract In Autism Spectrum Disorder. J. M. Treiber<sup>1</sup>, D. K. Shukla<sup>2</sup>, B. Keehn<sup>3</sup> and R. A. Muller<sup>2</sup>, (1)Psychology, San Diego State University, Encinitas, CA, (2)San Diego State University, San Diego, CA, (3)San Diego State University / University of California, San Diego, San Diego, CA
- 9:00 **160 116.055** Atypical Language Lateralization Mediated by Development of the Corpus Callosum. L. B. Hinkley<sup>1</sup>, E. J. Marco<sup>2,3</sup>, J. Gold<sup>2</sup>, A. M. Findlay<sup>1</sup>, M. Wakahiro<sup>2</sup>, A. J. Barkovich<sup>1,2,3</sup>, P. Mukherjee<sup>1</sup>, S. Nagarajan<sup>1</sup> and E. Sherr<sup>2,3</sup>, (1)Radiology and Biomedical Imaging, University of California, San Francisco, CA, (2)Neurology, University of California, San Francisco, CA, (3)Pediatrics, University of California, San Francisco, CA

- 10:00 **161 116.056** Atypical Neural Networks for Social Orienting In Autism Spectrum Disorders. D. J. Greene<sup>1</sup>, N. L. Colich<sup>2</sup>, E. Zaidel<sup>3</sup>, M. Iacoboni<sup>4</sup>, S. Y. Bookheimer<sup>5</sup> and M. Dapretto<sup>2,5</sup>, (1)Washington University in St. Louis, St. Louis, MO, (2)Brain Mapping Center, University of California, Los Angeles, Los Angeles, CA, (3)UCLA, Los Angeles, CA, (4)UCLA, Los Angeles, CA, (5)Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, CA
- 11:00 **162 116.057** Atypical Premotor, Parietal, and Cerebellar Functioning Underlies Sensorimotor Impairment In Autism. M. W. Mosconi<sup>1</sup>, S. A. Coombes<sup>2</sup>, A. M. D'Cruz<sup>1</sup>, L. Schmitt<sup>1</sup>, S. Shrestha<sup>1</sup>, D. E. Vaillancourt<sup>1,2</sup> and J. A. Sweeney<sup>1</sup>, (1)Center for Cognitive Medicine, University of Illinois at Chicago, Chicago, IL, (2)Department of Kinesiology, University of Illinois at Chicago, Chicago, IL
- 9:00 **163 116.058** Autism Symptom Severity Modulates Responsivity In the Mirror Neuron System: A Replication and Extension of Prior Research Findings. M. Dapretto<sup>1,2</sup>, N. L. Colich<sup>1</sup>, L. M. Hernandez<sup>1</sup>, J. D. Rudie<sup>1</sup>, S. Y. Bookheimer<sup>2</sup> and M. Iacoboni<sup>3</sup>, (1)Brain Mapping Center, University of California, Los Angeles, CA, (2)Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, CA, (3)UCLA, Los Angeles, CA
- 10:00 **164 116.059** Brain Activation During Inferential and Theory of Mind Processing In Children with Autism. D. L. Williams<sup>1</sup>, E. J. Carter<sup>2</sup>, J. F. Lehman<sup>3</sup> and N. J. J. Minshew<sup>4</sup>, (1)Speech-Language Pathology, Duquesne University, Pittsburgh, PA, (2)Robotics Institute, Carnegie Mellon University, Pittsburgh, PA, (3)Computer Science, Carnegie Mellon University, Pittsburgh, PA, (4)Psychiatry & Neurology, University of Pittsburgh, Pittsburgh, PA
- 11:00 **165 116.060** Corpus Callosum Volume In Autism and Its Extended Phenotype. L. R. Chura<sup>1</sup>, R. J. Holt, S. Baron-Cohen and M. D. Spencer, Department of Psychiatry, Autism Research Centre, University of Cambridge, Cambridge, United Kingdom
- 9:00 **166 116.061** Differences In Global and Local Level Information Processing In Autism: An fMRI Investigation. M. Gadgil<sup>1</sup>, E. Peterson<sup>2</sup>, J. R. Tregellas<sup>1</sup>, S. Hepburn<sup>1</sup> and D. C. Rojas<sup>1</sup>, (1)University of Colorado Denver, Anschutz Medical Campus, Aurora, CO, (2)University of Northern Colorado, Greeley, CO
- 10:00 **167 116.062** Disrupted Brain Mechanisms for Processing Affectionate Touch In Children with ASD. I. Gordon<sup>1</sup>, M. D. Kaiser<sup>2</sup>, R. Bennett<sup>1</sup>, A. C. Voos<sup>1</sup> and K. A. Pelphrey<sup>1</sup>, (1)Child Study Center, Yale University, New Haven, CT, (2)Child Study Center, Yale University, New Haven, CT
- 11:00 **168 116.063** Dissociating Individuals with Asperger Syndrome from High Functioning Autism Using a Probabilistic Pattern Recognition Approach. C. Ecker<sup>1</sup>, A. Marquand<sup>2</sup>, M. C. Lai<sup>3</sup>, M. V. Lombardo<sup>4</sup>, P. Johnston<sup>5</sup>, B. Chakrabarti<sup>4,6</sup>, E. Daly<sup>7</sup>, C. M. Murphy<sup>8</sup>, M. Aims<sup>9</sup>, S. Baron-Cohen<sup>10</sup> and D. G. Murphy<sup>11</sup>, (1)Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, London, United Kingdom, (2)London, (3)Autism Research Centre, Department of Psychiatry, University of Cambridge, Cambridge, United Kingdom, (4)Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (5)Institute of Psychiatry, King's College London, London, (6)Centre for Integrative Neuroscience and Neurodynamics, University of Reading, Reading, United Kingdom, (7)Department of Forensic and Neurodevelopmental Sciences, King's College London, Institute of Psychiatry, London, United Kingdom, (8)Department of Forensic and Neurodevelopmental Sciences, King's College London, Institute of Psychiatry, London, United Kingdom, (9)Institute of Psychiatry, London; University of Oxford; University of Cambridge, United Kingdom, London, United Kingdom, (10)Department of Psychiatry, Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (11)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom
- 9:00 **169 116.064** Do Autism Spectrum Disorders and Obsessive Compulsive Disorders Share a Neuroanatomical Phenotype?. K. Yu<sup>1</sup>, E. Pun<sup>1</sup>, P. Wong<sup>1</sup>, S. E. Chua<sup>2,3</sup>, C. Cheung<sup>1</sup> and G. M. McAlonan<sup>3,4</sup>, (1)Psychiatry, The University of Hong Kong, Pokfulam, Hong Kong, (2)Psychiatry, University of Hong Kong, Pokfulam, Hong Kong, (3)State Key Laboratory for Brain and Cognitive Sciences, Hong Kong, Hong Kong, (4)Psychiatry, University of Hong Kong, Hong Kong, Hong Kong
- 10:00 **170 116.065** Dr. Temple Grandin: A Neuroimaging Case Study. J. R. Cooperrider<sup>1</sup>, T. Grandin<sup>2</sup>, E. D. Bigler<sup>3,4</sup>, J. S. Anderson<sup>1,5</sup>, N. Lange<sup>6</sup>, A. L. Alexander<sup>7</sup>, M. B. DuBray<sup>1</sup>, A. Froehlich<sup>4</sup>, B. A. Zielinski<sup>8</sup> and J. E. Lainhart<sup>9</sup>, (1)Interdepartmental Program in Neuroscience, University of Utah, Salt Lake City, UT, (2)Animal Sciences, Colorado State University, Fort Collins, CO, (3)Psychology and Neuroscience, Brigham Young University, Provo, UT, (4)Psychiatry, University of Utah, Salt Lake City, UT, (5)Radiology, University of Utah, SLC, UT, (6)Psychiatry and Biostatistics, Harvard University, Cambridge, MA, (7)Medical Physics and Psychiatry, University of Wisconsin, Madison, WI, (8)Pediatric Neurology, University of Utah, Salt Lake City, UT, (9)Psychiatry, Interdepartmental Program in Neuroscience, University of Utah, Salt Lake City, UT
- 11:00 **171 116.066** Emotion Attribution to Self and Other In Children and Adolescents with and without Autism: An fMRI Study. F. Hoffmann<sup>1</sup>, K. A. Pelphrey<sup>1</sup>, R. I. Pillai<sup>1</sup>, H. Seib<sup>1</sup>, E. S. MacDonnell<sup>1</sup> and B. C. vander Wyk<sup>2</sup>, (1)Child Study Center, Yale University, New Haven, CT, (2)Yale Child Study Center, New Haven, CT

- 9:00 **172 116.067** Frontal White Matter Tract Impairment In Autism Spectrum Disorders: A Diffusion Tensor Imaging Study Using Tract Based Spatial Statistics. S. H. Ameis<sup>1</sup>, J. Fan<sup>2</sup>, C. Rockel<sup>3</sup>, A. Voineskos<sup>4</sup>, N. Lobaugh<sup>5</sup>, L. V. Soorya<sup>6</sup>, A. T. Wang<sup>6</sup>, E. Hollander<sup>7</sup> and E. Anagnostou<sup>8</sup>, (1)Psychiatry, The Hospital for Sick Children, University of Toronto, Toronto, ON, Canada, (2)Psychiatry, Mount Sinai School of Medicine, New York City, NY, (3)Haematology/Oncology, The Hospital for Sick Children, Toronto, ON, Canada, (4)Psychiatry, Centre for Addiction and Mental Health, University of Toronto, Toronto, ON, Canada, (5)Medicine, Sunnybrook Research Institute, Sunnybrook Health Sciences Centre, University of Toronto, Toronto, ON, Canada, (6)Psychiatry, Mount Sinai School of Medicine, New York, NY, (7)Psychiatry and Behavioral Sciences, Montefiore Medical Center University Hospital, Albert Einstein College of Medicine, Bronx, NY, (8)Bloorview Research Institute, University of Toronto, Toronto, ON, Canada
- 10:00 **173 116.068** Functional Brain Imaging of Aberrant Social Motivation In Children with Autism Spectrum Disorders. G. Kohls<sup>1</sup>, S. Faja<sup>2</sup>, J. M. Taylor<sup>1</sup>, E. N. Madva<sup>1</sup>, S. J. Cayless<sup>1</sup> and R. T. Schultz<sup>1</sup>, (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)Box 357920, University of Washington, Seattle, WA
- 11:00 **174 116.069** Functional Connectivity Across Cerebral Hemispheres Is Decreased In Autism. D. Neumann<sup>1</sup>, L. K. Paul, J. M. Tyszka, R. Adolphs and D. P. Kennedy, California Institute of Technology, Pasadena, CA
- 9:00 **175 116.070** Functional Connectivity of the Ventromedial Prefrontal Cortex In Children with Autism Spectrum Disorders. B. Deen<sup>1</sup> and K. A. Pelphrey<sup>2</sup>, (1)Department of Brain and Cognitive Sciences, MIT, Cambridge, MA, (2)Child Study Center, Yale University, New Haven, CT
- 10:00 **176 116.071** History of Mental Illness Does Not Predict Gamma Band Deficits In First-Degree Relatives of Children with Autism. D. C. Rojas<sup>1</sup>, L. B. Wilson, P. Teale, E. Kronberg, K. Youngpeter and S. Hepburn, University of Colorado Denver, Anschutz Medical Campus, Aurora, CO
- 11:00 **177 116.072** Incidental MRI Findings In Infants at Risk for Autism. M. D. Shen<sup>1</sup>, C. W. Nordahl<sup>1</sup>, S. E. Liston<sup>1</sup>, M. DiNino<sup>1</sup>, S. L. Wootton-Gorges<sup>2</sup>, G. S. Young<sup>1</sup>, S. Ozonoff<sup>3</sup> and D. G. Amaral<sup>1</sup>, (1)Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA, (2)Clinical Radiology, University of California, Davis Medical Center and U.C. Davis Children's Hospital, Sacramento, CA, (3)Psychiatry and Behavioral Sciences, M.I.N.D. Institute, UC Davis, Sacramento, CA
- 9:00 **178 116.073** Is He Being Bad?: Brain Activation During Social Judgment In Children with Autism. E. J. Carter<sup>1</sup>, D. L. Williams<sup>2</sup>, J. F. Lehman<sup>3</sup> and N. J. J. Minshew<sup>4</sup>, (1)Robotics Institute, Carnegie Mellon University, Pittsburgh, PA, (2)Speech-Language Pathology, Duquesne University, Pittsburgh, PA, (3)Computer Science, Carnegie Mellon University, Pittsburgh, PA, (4)Psychiatry & Neurology, University of Pittsburgh, Pittsburgh, PA
- 10:00 **179 116.074** Meta-Analysis of Neuroanatomical Overlap In Autism Spectrum Disorders and Bipolar Disorder. C. Wong<sup>1</sup>, K. Yu<sup>1</sup>, S. E. Chua<sup>2,3,4</sup>, C. Cheung<sup>1</sup> and G. M. McAlonan<sup>3,4,5</sup>, (1)Psychiatry, The University of Hong Kong, Pokfulam, Hong Kong, (2)Psychiatry, University of Hong Kong, Pokfulam, Hong Kong, (3)State Key Laboratory for Brain and Cognitive Sciences, Hong Kong, Hong Kong, (4)Centre for Reproduction, Development and Growth, The University of Hong Kong, Pokfulam, Hong Kong, (5)Psychiatry, University of Hong Kong, Hong Kong
- 11:00 **180 116.075** Mirror Neuron Dysfunction In High Functioning Autism. T. J. Perkins<sup>1</sup>, J. A. Manjiviona<sup>2</sup>, K. Saunders<sup>3</sup>, J. A. McGillivray<sup>1</sup>, R. Bittar<sup>4</sup>, A. Connelly<sup>5</sup> and M. A. Stokes<sup>6</sup>, (1)Psychology, Deakin University, Burwood, Australia, (2)Private practice, Lower Templestowe, Australia, (3)Private practitioner, Melbourne, Australia, (4)Precision neurosurgery, Melbourne, Australia, (5)Austin Health, Brain Research Institute, Heidelberg West, Australia, (6)Deakin University, Burwood, Australia
- 9:00 **181 116.076** Multivariate MEG Pattern Classifiers for Language Impairment In Autism. W. A. Parker<sup>1</sup>, M. Ingalhalikar<sup>1</sup>, R. Verma<sup>1</sup> and T. P. L. Roberts<sup>2</sup>, (1)Radiology, University of Pennsylvania, Section for Biomedical Image Analysis, Philadelphia, PA, (2)Radiology, Children's Hospital of Philadelphia, Lurie Family Foundations MEG Imaging Center, Philadelphia, PA
- 10:00 **182 116.077** Network Model of Face Processing In Autism Based on Diffusion Tensor Tracking (DTT) and Behavioral Data. T. E. Conturo<sup>1</sup>, D. L. Williams<sup>2</sup>, C. D. Smith<sup>3</sup>, A. R. McMichael<sup>1</sup>, K. W. Chua<sup>4</sup>, S. C. Green<sup>4</sup>, M. S. Strauss<sup>4</sup> and N. J. J. Minshew<sup>4</sup>, (1)Washington University School of Medicine, St. Louis, MO, (2)Duquesne University, Pittsburgh, PA, (3)University of Kentucky, Lexington, KY, (4)University of Pittsburgh, Pittsburgh, PA
- 11:00 **183 116.078** Reduced Cortical Response to Adjacent Finger Stimulation: Evidence for Local Underconnectivity In the Autistic Brain?. B. R. Sheth<sup>1</sup>, M. A. Coskun<sup>1</sup>, K. A. Loveland<sup>2</sup>, D. A. Pearson<sup>3</sup> and A. C. Papanicolaou<sup>4</sup>, (1)Electrical and Computer Engineering, University of Houston, Houston, TX, (2)Dept. of Psychiatry & Behavioral Sciences, University of Texas Medical School, Houston, Houston, TX, (3)Psychiatry & Behavioral Sciences, University of Texas Medical School at Houston, Houston, TX, (4)Pediatrics, Univ. of Texas Medical School, Houston, Houston, TX

1:15-3:15P	IES: Translation of Intervention Research to Practice (Elizabeth Ballroom A-C Lvl 2)			1:00-5:30P Poster Sessions (Elizabeth E-G and Litrenta Foyer Lvl 2)
1:15-3:15P	Oral Sessions: Epidemiology: ASD Prevalence, Trends, and Adults with ASD (Elizabeth Ballroom D Lvl 2)	Oral Sessions: Sex Differences and Females with Autism Spectrum Disorders (Elizabeth Ballroom G-H Lvl 2)	Oral Sessions: Early Functional and Structural Development and Age-Related Changes in ASD (Douglas Pavilion A Lvl 1)	Clinical Phenotype I; Clinical Phenotype II; Clinical Phenotype III; Core Deficits and Symptoms; Medical Comorbidities
3:15-3:45P	Break (Elizabeth Foyer Lvl 2)			
3:45-5:45P	Oral Sessions: Genomics and Gene Expression In ASD (Elizabeth Ballroom D Lvl 2)			
3:45-4:45P	Scientific Panel Intervening In Autism In Infancy: Causal Models, Research Approaches, Ethics Barriers (Elizabeth A-C Lvl 2)	Scientific Panel: Multinational Registry-Based Analysis of Autism Risk Factors and Trends: The International Collaboration for Autism Registry Epidemiology (iCARE) (Elizabeth Ballroom G-H Lvl 2)	Scientific Panel Reward Processing in Autism (Douglas Pavilion A Lvl 1)	
4:45P-5:45P	Scientific Panel Infants At High-Risk for Autism: Findings From the Infant Brain Imaging Study (IBIS) (Elizabeth A-C Lvl 2)	Scientific Panel: International Applications of the Modified Checklist for Autism in Toddlers (M-CHAT) In Level 1 Screening (Elizabeth Ballroom G-H Lvl 2)	Scientific Panel Shank Synaptic Genes In Autism: Human Genetics to Mouse Models and Therapeutics (Douglas Pavilion A Lvl 1)	
6:00-8:00P	SIG: Motor Action Development (MAD) (Elizabeth Ballroom G-H Lvl 2)	SIG: Sensory Features in Autism (Elizabeth Ballroom D Lvl 2)	SIG: Postmortem Brain Tissue Research in Autism (Elizabeth Ballroom A-C Lvl 2)	SIG: EEG / MEG (Douglas Pavilion A Lvl 1)
	SIG: Sleep (Betsy Room Lvl 2)	SIG: Contextually-Valid Interventions for School-Aged Children (Madeleine A-D Lvl 3)		

**Invited Educational Symposium  
117 - Translation of Intervention Research to Practice**  
1:15 PM - 3:15 PM - Elizabeth Ballroom A-C

*Session Chair: S. Odom; University of North Carolina*

The behavioral intervention literature focusing on individuals with Autism Spectrum Disorders (ASD) is among the most active in the social and clinical sciences. Yet, a gap exists between scientific knowledge about efficacy of intervention practices and their use by practitioners who work with individuals with ASD. A set of procedures has been established to systematically identify intervention practices that have strong scientific support. Similarly, rigorous tools and procedures are being established for assessing quality in intervention settings, determining implementation of practices, establishing support for implementation through coaching, and documenting student outcomes. In this symposium, presenters will describe methodology and outcomes related to each of these areas. In the first paper the authors will examine two methodologies for reviewing the research literature, identifying evidence-based practices, and summarizing practices identified. In the second paper, an assessment instrument for determining quality in program environments for students with ASD, from age 3 – 22 will be presented and data on reliability and validity will be described. In the third paper, the author will describe a methodology for operationalizing individual goals for individuals with ASD, called Goal Attainment Scaling, and illustrate the ways it has been used in their research on coaching and implementation. In the fourth paper, a systems approach developed by the National Professional Development Center on ASD for supporting the implementation of evidence-based intervention practices will be presented, and outcomes (at the program practice and child level) will be described.

- 1:15 **117.001** Identification of Evidence-Based Intervention Practices for Students with ASD. S. Wilczynski, National Autism Center, Randolph, MA
- 1:45 **117.002** Assessment of Quality in Programs for Students with ASD. Ann Cox, FPG Child Development Institute, University of North Carolina at Chapel Hill
- 2:15 **117.003** Assessing Performance on Individualized Goals for Students with ASD. L. A. Ruble, University of Kentucky, Lexington, KY
- 2:45 **117.004** A Systems Approach to Supporting Use of Evidence-Based Practices for Students with ASD. S. J. Rogers, UC Davis MIND Institute, Sacramento, CA

**Oral Sessions  
118 - Epidemiology: ASD Prevalence, Trends, and Adults with ASD**  
1:15 PM - 3:15 PM - Elizabeth Ballroom D

*Session Chair: M. Yeargin-Allsopp; CDC*

- 1:15 **118.001** Variation In the Prevalence of the Pervasive Developmental Disorders by Diagnostic Criteria. C. E. Rice<sup>1</sup>, L. D. Wiggins<sup>2</sup>, L. A. Carpenter<sup>3</sup>, L. A. Schieve<sup>4</sup>, R. T. Fitzgerald<sup>5</sup>, A. Pedersen y Arbona<sup>6</sup> and L. C. Lee<sup>7</sup>, (1)Mailstop E-86, National Center on Birth Defects and Developmental Disabilities, Atlanta, GA, (2)Centers for Disease Control and Prevention, Atlanta, GA, (3)Medical University of South Carolina, Charleston, SC, (4)National Center on Birth Defects and Developmental Disabilities, Atlanta, GA, (5)Washington University School of Medicine, St. Louis, MO, (6)University of Arizona - Tucson, Tucson, AZ, (7)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 1:30 **118.002** Heterogeneity In Longitudinal Trajectories of Children with Autism. C. Fountain and P. S. Bearman, Columbia University, New York, NY

- 1:45 **118.003** More Documented Diagnoses of Autism Likely Responsible for Increased Identification of the Autism Spectrum Disorders. L. D. Wiggins<sup>1</sup>, O. Devine, J. Baio, C. E. Rice, K. Van Naarden Braun and M. Yeargin-Allsopp, Centers for Disease Control and Prevention, Atlanta, GA
- 2:00 **118.004** Epidemiology, Screening and Diagnosis of ASD In Adulthood. T. S. Brugha<sup>1</sup>, J. Bankart<sup>2</sup> and S. McManus<sup>3</sup>, (1)Department of Health Sciences, University of Leicester, Leicester, United Kingdom, (2)University of Leicester, Leicester, United Kingdom, (3)NATCEN, London, United Kingdom
- 2:15 **118.005** Outcomes and Needs In Mid-Later Adulthood. P. Howlin<sup>1</sup>, Psychology, Institute of Psychiatry, King's College London, London, United Kingdom
- 2:30 **118.006** Increasing Socioeconomic Disparity In the Prevalence of Autism Spectrum Disorder In Wisconsin. M. S. Durkin<sup>1</sup>, M. J. Maenner<sup>2</sup> and C. L. Arneson<sup>3</sup>, (1)University of Wisconsin-Madison, Madison, WI, (2)University of Wisconsin-Madison, Madison, WI, United States, (3)Madison, WI
- 2:45 **118.007** Risk Factors for Autism Among California Births 1992-2002: A Within-Family Framework. K. Cheslack-Postava<sup>1</sup> and P. S. Bearman, Columbia University, New York, NY
- 3:00 **118.008** Autism Spectrum Disorders & Comorbid Disorders: Findings From New Jersey Autism Study. J. Shenouda<sup>1</sup>, P. Khandge<sup>2</sup>, H. Patel<sup>3</sup>, N. Scotto-Rosato<sup>3</sup>, S. Howell<sup>3</sup> and W. Zahorodny<sup>4</sup>, (1)Pediatrics, New Jersey Medical School, Newark, NJ, (2)Pediatrics, UMDNJ, Newark, NJ, (3)NJ State Health Department, Trenton, NJ, (4)New Jersey Medical School, Newark, NJ
- 1:45 **119.003** Females with Autism Spectrum Disorder: An Analysis of the Simons Simplex Collection. M. Huerta<sup>1</sup>, S. L. Bishop<sup>2</sup>, K. Gotham<sup>3</sup>, V. Hus<sup>1</sup>, S. Lund<sup>1</sup>, A. Buja<sup>4</sup> and C. Lord<sup>5</sup>, (1)University of Michigan, Ann Arbor, MI, (2)Cincinnati Children's Hospital Medical Center, Cincinnati, OH, (3)University of Michigan Autism and Communication Disorders Center, Ann Arbor, MI, United States, (4)Statistics, The Wharton School University of Pennsylvania, Philadelphia, PA, (5)University of Michigan, Ann Arbor, MI
- 2:00 **119.004** Is Being Female Protective Against Autism Spectrum Disorders? Oxytocin and Vasopressin Levels In Children and Adolescents. M. Miller<sup>1,2</sup>, K. Bales<sup>3</sup>, S. Taylor<sup>4</sup>, J. H. Yoon<sup>5</sup>, M. Minzenberg<sup>5</sup>, C. S. Carter<sup>5</sup> and M. Solomon<sup>6</sup>, (1)UC Davis MIND Institute, Sacramento, CA, (2)Department of Psychology, UC Berkeley, Berkeley, CA, (3)Psychology, UC Davis, Davis, CA, (4)UC Davis School of Medicine Clinical and Translational Science Center, Sacramento, CA, (5)UC Davis Imaging Research Center, Sacramento, CA, (6)Department of Psychiatry, MIND Institute, Imaging Research Center, Sacramento, CA
- 2:15 **119.005** Mass-Univariate and Pattern Classification Analysis on Structural MRI In Children with Autism Spectrum Disorders: a Focus on Females. S. Calderoni<sup>1</sup>, A. Retico<sup>2</sup>, L. Biagi<sup>3</sup>, R. Tancredi<sup>4</sup>, F. Muratori<sup>5,6</sup> and M. Tosetti<sup>7</sup>, (1)Magnetic Resonance Laboratory, Division of Child Neurology and Psychiatry University of Pisa: Stella Maris Scientific Institute, Pisa, Italy, (2)National Institute of Nuclear Physics, Division of Pisa, Italy, Pisa, Italy, (3)Magnetic Resonance Laboratory, Division of Child Neurology and Psychiatry University of Pisa: Stella Maris Scientific Institute, Pisa, Italy, (4)University of Pisa - Stella Maris Scientific Institute, Pisa, (5)Division of Child Neurology and Psychiatry, University of Pisa - Stella Maris Scientific Institute, Calambrone (Pisa), Italy, (6)Developmental Neuroscience, Stella Maris Scientific Institute, Pisa, Italy, (7)Magnetic Resonance Laboratory, Division of Child Neurology and Psychiatry University of Pisa: Stella Maris Scientific Institute, Pisa, Italy,

**Oral Sessions**  
**119 - Sex Differences and Females with Autism Spectrum Disorders**

1:15 PM - 3:15 PM - Elizabeth Ballroom G-H

*Session Chair: C. Lord; University of Michigan*

- 1:15 **119.001** Sex Differences In the Early Screening of Autism Spectrum Disorders. N. N. Ludwig<sup>1</sup>, D. L. Robins<sup>1</sup> and D. A. Fein<sup>2</sup>, (1)Georgia State University, Atlanta, GA, (2)University of Connecticut, Storrs, CT
- 1:30 **119.002** Sex Differences In the Identification and Diagnosis of Autism, Asperger's Syndrome and PDDNOS. S. Begeer<sup>1</sup>, D. S. Mandell<sup>2</sup>, B. Wijnker-Holmes<sup>3</sup>, F. Stekelenburg<sup>4</sup> and H. M. Koot<sup>5</sup>, (1)VU University, Amsterdam, (2)University of Pennsylvania School of Medicine, Philadelphia, PA, United States, (3)Dutch Autism Association (NVA), Bilthoven, Netherlands, (4)Dutch Autism Association (NVA), Bilthoven, Netherlands, (5)VU University, Amsterdam, Netherlands
- 2:30 **119.006** Sex Differences In Behavior In Adults with High Functioning Autism Spectrum Conditions. M. C. Lai<sup>1</sup>, M. V. Lombardo<sup>2</sup>, G. Pasco<sup>3</sup>, A. Ruigrok<sup>1</sup>, S. J. Wheelwright<sup>4</sup>, S. A. Sadek<sup>1</sup>, B. Chakrabarti<sup>2,5</sup> and S. Baron-Cohen<sup>2</sup>, (1)Autism Research Centre, Department of Psychiatry, University of Cambridge, Cambridge, United Kingdom, (2)Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (3)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (4)Autism Research Centre, University of Cambridge, Cambridge, (5)Centre for Integrative Neuroscience and Neurodynamics, University of Reading, Reading, United Kingdom
- 2:45 **119.007** Determining Sex Differences In Social Cognition of the Individuals with and without Autism Spectrum Disorders Using Advanced Mind-Reading Tasks. **Moved to Poster Session 134, pg. 88**

3:00 **119.008** The Female Profile of Asperger Syndrome and High Functioning Autism. I. C. G. Campbell<sup>1</sup>, J. A. Perkins<sup>1</sup>, J. A. McGillivray<sup>1</sup>, J. A. Maynard<sup>1</sup> and M. A. Stokes<sup>1</sup>, (1)Psychology, Deakin University, Burwood, Australia, (2)Private practice, Lower Templestowe, Australia

**Oral Sessions**

**120 - Early Functional and Structural Development and Age-Related Changes In ASD**

1:15 PM - 3:15 PM - Douglas Pavilion A

*Session Chair:* K. Pierce; *University of California, San Diego*

1:15 **120.001** Failure of STS Activation May Underlie Early Emerging Social Orienting Defects In Autism. K. Pierce<sup>1</sup>, L. T. Eyler<sup>2</sup>, S. Solso<sup>3</sup>, K. Campbell<sup>4</sup> and E. Courchesne<sup>1</sup>, (1)Neurosciences and UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA, (2)Psychiatry and UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA, (3)UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA, (4)UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA

1:30 **120.002** Abnormal Functional Connectivity at Rest Among Sleeping Infants and Toddlers with ASD. L. T. Eyler<sup>1</sup>, K. Pierce<sup>2</sup>, S. Solso<sup>3</sup> and E. Courchesne<sup>2</sup>, (1)Psychiatry and UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA, (2)Neurosciences and UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA, (3)UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA

1:45 **120.003** Abnormally Accelerated Development of Higher-Order Long-Distance Cerebral Tracts In ASD Infants and Toddlers. S. Solso<sup>1</sup>, W. Thompson<sup>2</sup>, K. Campbell<sup>3</sup>, C. Ahrens-Barbeau<sup>4</sup>, R. Stoner<sup>5</sup>, C. Carter<sup>6</sup>, M. Weinfeld<sup>7</sup>, S. Spendlove<sup>4</sup>, J. Young<sup>8</sup>, M. Mayo<sup>9</sup>, J. Kuperman<sup>9</sup>, D. Hagler<sup>9</sup>, R. J. Theilmann<sup>10</sup>, L. T. Eyler<sup>11</sup>, K. Pierce<sup>12</sup>, E. Courchesne<sup>12</sup> and A. Dale<sup>9</sup>, (1)Neurosciences, University of California San Diego, UCSD Autism Center of Excellence, San Diego, CA, (2)Psychiatry, University of California San Diego, San Diego, CA, (3)UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA, (4)Neurosciences, University of California, San Diego, UCSD Autism Center of Excellence, San Diego, CA, (5)Neurosciences and UCSD Autism Center of Excellence, La Jolla, CA, (6)Neurosciences, University of California, San Diego, UCSD Autism Center of Excellence, La Jolla, CA, (7)Neurosciences, University of California, San Diego, UCSD Autism Center of Excellence, La Jolla, CA, (8)Neurosciences, University of California, San Diego, UCSD Autism Center of Excellence, San Diego, CA, (9)Radiology, University of California, San Diego, San Diego, CA, (10)University of California, San Diego, La Jolla, CA, United States, (11)Psychiatry and UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA, (12)Neurosciences and UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA

2:00 **120.004** Increased Local Connectivity and Decreased Long-Range Connectivity In Autism Is Consistent with Immaturity of Cortical Networks. L. M. Hernandez<sup>1</sup>, J. D. Rudie<sup>1</sup>, E. M. Kilroy<sup>1</sup>, N. L. Colich<sup>1</sup>, S. Y. Bookheimer<sup>2</sup>, M. Iacoboni<sup>3</sup> and M. Dapretto<sup>1,2</sup>, (1)Brain Mapping Center, University of California, Los Angeles, Los Angeles, CA, (2)Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, Los Angeles, CA, (3)UCLA, Los Angeles, CA

2:15 **120.005** Longitudinal Analysis of the White Matter Microstructure of the Arcuate Fasciculus In Autism. P. T. Fletcher<sup>1</sup>, X. Hao<sup>1</sup>, K. Zygumt<sup>1</sup>, M. B. DuBray<sup>1</sup>, A. Froehlich<sup>1</sup>, N. Lange<sup>2</sup> and J. E. Lainhart<sup>3</sup>, (1)University of Utah, Salt Lake City, UT, (2)Harvard University, Cambridge, MA, (3)Psychiatry and Neuroscience, University of Utah, SLC, UT

2:30 **120.006** Altered Myelination of the Corpus Callosum In Autism. **Moved to Poster Session 116, pg. 57**

2:45 **120.007** Longitudinal Relationships Between Autism Severity and Brain Tissue Volumetry: Individual Change Over Time In Autism Spectrum Disorders. N. Lange<sup>1</sup>, E. D. Bigler<sup>2</sup>, T. Abildskov<sup>3</sup>, A. Froehlich<sup>4</sup>, M. B. DuBray<sup>5</sup>, A. L. Alexander<sup>6</sup> and J. E. Lainhart<sup>7</sup>, (1)Psychiatry and Biostatistics, Harvard University, Cambridge, MA, (2)Psychology and Neuroscience, Brigham Young University, Provo, UT, (3)BYU, Provo, UT, (4)Psychiatry, University of Utah, Salt Lake City, UT, (5)Interdepartmental Program in Neuroscience, University of Utah, Salt Lake City, UT, (6)Medical Physics and Psychiatry, University of Wisconsin, Madison, WI, (7)Psychiatry, Interdepartmental Program in Neuroscience, University of Utah, Salt Lake City, UT

3:00 **120.008** A Longitudinal Study of the Amygdala and Hippocampus In Autism. G. Y. Lee<sup>1</sup>, T. W. Frazier<sup>2</sup>, N. J. J. Minshew<sup>3</sup>, L. Piacenza<sup>4</sup>, A. Reiss<sup>4</sup> and A. Y. Hardan<sup>1</sup>, (1)Department of Psychiatry and Behavioral Sciences, Stanford University, Stanford, CA, (2)Center for Autism and Center for Pediatric Behavioral Health, Cleveland Clinic, Cleveland, OH, (3)Western Psychiatric Institute and Clinic, University of Pittsburgh, Pittsburgh, PA, (4)Center for Interdisciplinary Brain Sciences Research, Stanford University, Stanford, CA



Oral Sessions

124 - Genomics and Gene Expression In ASD

3:45 PM - 5:45 PM - Elizabeth Ballroom D

Session Chair: M. Bucan; *University of Pennsylvania*

- 3:45 **124.001** Blood-Based Gene Expression In Infants and Toddlers with ASD. M. E. Winn<sup>1</sup>, N. Schork<sup>2</sup>, K. Pierce<sup>3</sup> and E. Courchesne<sup>3</sup>, (1)Graduate Program in Biomedical Sciences, Department of Medicine, University of California San Diego, La Jolla, CA, (2)Scripps Research Institute, La Jolla, CA, United States, (3)Neurosciences and UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA
- 4:00 **124.002** Allelic mRNA Expression of Cellular Adhesion Molecules, Glutamate and GABAergic Genes, and RNA Splicing Modulators In Typically-Developed and ASD Frontopolar Cortex. R. M. Smith<sup>1</sup>, A. C. Papp<sup>1</sup>, G. E. Herman<sup>2</sup> and W. Sadee<sup>1</sup>, (1)Department of Pharmacology, The Ohio State University, Columbus, OH, (2)Wexner 4th Floor, Columbus, OH, United States
- 4:15 **124.003** Identification of Shared Molecular Pathway Involved In Autism by Transcriptional Profiling. Y. Tian<sup>1</sup>, I. Voineagu<sup>2</sup>, R. Luo<sup>3</sup>, R. A. Mar-Heyming<sup>2</sup> and D. H. Geschwind<sup>4</sup>, (1)Bioinformatics IDP, University of California, Los Angeles, CA, (2)Program in Neurogenetics, University of California, Los Angeles, CA, (3)Human Genetics, University of California, Los Angeles, CA, (4)Center for Neurobehavioral Genetics, University of California, Los Angeles, CA
- 4:30 **124.004** Monoallelic Expression In the Human Brain May Be Associated with Autism Risk. S. Shifman<sup>1</sup>, E. Granot-Hershkovitz and E. Ben-David, The Hebrew University of Jerusalem, Jerusalem, Israel
- 4:45 **124.005** Blood-Based Transcriptomic Biomarker Profiles of Autistic Spectrum and Other Developmental Disorders. S. J. Glatt<sup>1</sup>, M. E. Winn<sup>2</sup>, C. Roe<sup>3</sup>, T. Wong<sup>3</sup>, C. Ahrens-Barbeau<sup>4</sup>, S. Chandler<sup>5</sup>, M. Collins<sup>5</sup>, L. Lopez<sup>4</sup>, M. Tsuang<sup>5</sup>, K. Pierce<sup>4</sup>, N. Schork<sup>6</sup> and E. Courchesne<sup>4</sup>, (1)Psychiatry and Behavioral Sciences & Neuroscience and Physiology, SUNY Upstate Medical University, Syracuse, NY, (2)Graduate Program in Biomedical Sciences, Department of Medicine, University of California San Diego, La Jolla, CA, (3)SUNY Upstate Medical University, Syracuse, NY, (4)Neurosciences and UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA, (5)Center for Behavioral Genomics, Department of Psychiatry, University of California, San Diego, La Jolla, CA, (6)Scripps Research Institute, La Jolla, CA
- 5:00 **124.006** Aberrant Proliferative and Organizational Pathways with Disrupted Cortical Lamination In Young Autistic Males. M. L. Chow<sup>1</sup>, T. Pramparo<sup>2</sup>, M. E. Winn<sup>3,4</sup>, R. Stoner<sup>5</sup>, M. P. Boyle<sup>6</sup>, E. Lein<sup>7</sup>, S. Roy<sup>8</sup>, H. R. Li<sup>9</sup>, J. B. Fan<sup>10</sup>, C. April<sup>10</sup>, X. D. Fu<sup>11</sup>, S. Colamarino<sup>12</sup>, P. Mouton<sup>13</sup>, L. Weiss<sup>14</sup>, N. Schork<sup>15</sup>, A. Wynshaw-Boris<sup>16</sup> and E. Courchesne<sup>5</sup>, (1)University of California San Diego Neuroscience, La Jolla, CA, (2)Department of Pediatrics and Institute of Human Genetics, UCSF School of Medicine, San Francisco, CA, (3)Graduate Program in Biomedical Sciences, Department of Medicine, University of California San Diego, La Jolla, CA, (4)Scripps Translational Science Institute, La Jolla, CA, (5)Neurosciences and UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA, (6)Neuroscience, UC San Diego, La Jolla, CA, (7)Allen Institute for Brain Science, Seattle, WA, (8)Psychiatry, UC San Diego, La Jolla, CA, (9)9500 Gilman Drive # 0651, La Jolla, CA, (10)San Diego, CA, (11)La Jolla, CA, (12)Autism Speaks, Los Angeles, CA, (13)University of South Florida School of Medicine, Tampa, FL, (14)UCSF Department of Psychiatry, Institute for Human Genetics, San Francisco, CA, (15)Scripps Research Institute, La Jolla, CA, (16)513 Parnassus Ave. HSE-901F, San Francisco, CA
- 5:15 **124.007** X Chromosome Inactivation and Alternative Splicing In Autism: An Integrated Approach to Cross Link Gene Regulatory Processes. Z. Talebizadeh<sup>1</sup> and R. Aldenderfer, Children's Mercy Hospital and University of Missouri-Kansas City, Kansas City, MO
- 5:30 **124.008** Co-Expression Network Analysis of Activity-Dependent Gene Expression In Human Neurons Identifies Expression Changes Associated with the Timothy Syndrome CACNA1C Mutation. I. Voineagu<sup>1</sup>, D. H. Geschwind<sup>2</sup>, S. P. Pasca<sup>3</sup>, M. Yazawa<sup>4</sup>, A. M. Pasca<sup>3</sup>, T. Portmann<sup>3</sup> and J. Hallmayer<sup>5</sup>, (1)Neurology, UCLA, Los Angeles, CA, (2)Center for Neurobehavioral Genetics, University of California, Los Angeles, Los Angeles, CA, (3)Department of Neurobiology, School of Medicine, Stanford University, Stanford, CA, (4)Department of Neurobiology, School of Medicine, Stanford University, Stanford, CT, (5)Department of Psychiatry & Behavioral Science, Stanford Univ School of Medicine, Stanford University, Stanford, CA

**Scientific Panels**

**121 - Intervening In Autism In Infancy: Causal Models, Research Approaches, Ethics Barriers**

3:45 PM - 4:45 PM - Elizabeth Ballroom A-C

*Session Chair:* S. J. Rogers; UC Davis MIND Institute

This symposium will focus on the emerging science of preventative intervention for infants at risk of ASD in the first and second year of life. A number of new studies focused on this age period are currently in progress across the world. The approaches used in these infant intervention studies differ markedly from those with older children, and the theories behind them differ as well. The symposium will focus on the application of knowledge from developmental psychology based on studies of normal developmental patterns in infancy, the ethics, the barriers, and the multi-disciplinary and multi-level science that needs to underlie efficacy research in infant intervention. Learning goals: 1. Participants will understand the transactional causal model of ASD at the core of infant intervention studies; 2. Participants will understand the potential multi-level effects (behavior, information processing, brain function, brain structure) of infant interventions and research methods that can test for them; 3. Participants will understand some of the design issues, ethical issues and social emotional barriers that are part of infant preventative interventions.

- 3:45 **121.001** Transactional Models of ASD and Infant Interventions. S. J. Rogers<sup>1</sup>, UC Davis MIND Institute, Sacramento, CA
- 4:00 **121.002** A Prodromal Intervention Programme for Infant Siblings. J. Green<sup>1</sup>, University of Manchester, Manchester, United Kingdom
- 4:15 **121.003** The Importance of Early Intervention and the Challenge of Early Detection. A. M. Wetherby<sup>1</sup>, Florida State University Autism Institute, Tallahassee, FL
- 4:30 **121.004** Research Design and Analysis: Challenges that Arise in Infant ASD Prevention Studies. A. S. Carter<sup>1</sup>, University of Massachusetts Boston, Boston, MA

**Scientific Panels**

**122 - Multinational Registry-Based Analysis of Autism Risk Factors and Trends: The International Collaboration for Autism Registry Epidemiology (iCARE)**

3:45 PM - 4:45 PM - Elizabeth Ballroom G-H

*Session Chair:* D. E. Schendel; Centers for Disease Control and Prevention

Population-based disease registry systems are invaluable research resources due to their prospective data collection, large size, and length of followup. Due to the relatively low prevalence of autism and many risk factors, integration of multiple population-based registry systems provides enhanced statistical power for epidemiologic analyses on pooled data. Further, multi-registry integration has the capability of applying data harmonization and uniform analytic methodologies — either on pooled data or for cross-registry comparisons — thereby facilitating data interpretation. The International Collaboration for Autism Registry Epidemiology (iCARE) was established among collaborators in Scandinavia (Denmark, Sweden, Finland and Norway), Australia, Israel and the U.S. with the initial goals to: 1) establish the infrastructure for multi-national registry autism research, including establishing a multi-registry virtual data set approach to analysis, and 2) demonstrate the capabilities of the multi-national registry approach to investigate candidate perinatal factors and autism, autism trends and geographic variation. The panel presentations will describe the: 1) iCARE concept, goals and site characteristics data; 2) cross-registry data harmonization methods and results; 3) virtual pooled data set approach to multi-site analysis and results of implementation; and 4) results of an analysis of parental age and autism based on the multi-national virtual pooled dataset.

- 3:45 **▶ 122.001** The International Collaboration for Autism Registry Epidemiology: Concept, Goals, and Consortium Characteristics. D. E. Schendel<sup>1</sup>, M. Bresnahan<sup>2</sup>, K. W. Carter<sup>3</sup>, R. W. Francis<sup>3</sup>, M. Gissler<sup>4</sup>, T. Grønberg<sup>5</sup>, R. Gross<sup>6</sup>, M. Hornig<sup>2</sup>, C. Hultman<sup>7</sup>, A. Langridge<sup>8</sup>, H. Leonard<sup>8</sup>, A. Nyman<sup>9</sup>, E. T. Parner<sup>10</sup>, M. Posada<sup>11</sup>, A. Reichenberg<sup>12</sup>, S. Sandin<sup>7</sup>, A. Sourander<sup>13</sup>, C. Stoltenberg<sup>14</sup>, P. Surén<sup>14</sup> and E. Susser<sup>2</sup>, (1)Centers for Disease Control and Prevention, Atlanta, GA, (2)Columbia University, New York, NY, (3)UWA Centre for Child Health Research, Subiaco, Australia, (4)THL National Institute for Health and Welfare, Helsinki, Finland, (5)University of Aarhus, Aarhus, Denmark, (6)Columbia University, New York, NY, (7)Karolinska Institutet, Stockholm, Sweden, (8)Telethon Institute for Child Health Research, West Perth, Australia, (9)Karolinska Institutet, Stockholm, Sweden, (10)Department of Biostatistics, School of Public Health, University of Aarhus, Aarhus, Denmark, (11)Carlos III Health Institute, Madrid, (12)Kings College, London, England, (13)Dept. of Child Psychiatry, University of Turku, Turku, Finland, (14)Norwegian Institute of Public Health, Oslo, Norway

- 4:00 ➤ **122.002** The International Collaboration for Autism Registry Epidemiology: Data Harmonization. M. Bresnahan<sup>1</sup>, K. W. Carter<sup>2</sup>, R. W. Francis<sup>2</sup>, M. Gissler<sup>3</sup>, T. Grönborg<sup>4</sup>, R. Gross<sup>5</sup>, M. Hornig<sup>6</sup>, C. Hultman<sup>6</sup>, A. Langridge<sup>7</sup>, H. Leonard<sup>7</sup>, A. Nyman<sup>8</sup>, E. T. Parner<sup>9</sup>, M. Posada<sup>10</sup>, A. Reichenberg<sup>11</sup>, S. Sandin<sup>6</sup>, D. E. Schendel<sup>12</sup>, A. Sourander<sup>13</sup>, C. Stoltenberg<sup>14</sup>, P. Surén<sup>14</sup> and E. Susser<sup>1</sup>, (1)Columbia University, New York, NY, United States, (2)UWA Centre for Child Health Research, Subiaco, Australia, (3)THL National Institute for Health and Welfare, Helsinki, Finland, (4)University of Aarhus, Aarhus, Denmark, (5)Columbia University, New York, NY, (6)Karolinska Institutet, Stockholm, Sweden, (7)Telethon Institute for Child Health Research, West Perth, Australia, (8)Karolinska Institutet, Stockholm, Sweden, (9)Department of Biostatistics, School of Public Health, University of Aarhus, Aarhus, Denmark, (10)Carlos III Health Institute, Madrid, (11)Kings College, London, England, (12)National Center on Birth Defects and Developmental Disabilities, Centers for Disease Control and Prevention, Atlanta, GA, (13)Dept. of Child Psychiatry, University of Turku, Turku, Finland, (14)Norwegian Institute of Public Health, Oslo, Norway
- 4:15 ➤ **122.003** Building the iCARE Web-Based Analysis Portal. R. W. Francis<sup>1</sup>, K. W. Carter<sup>1</sup>, M. Bresnahan<sup>2</sup>, M. Gissler<sup>3</sup>, T. Grönborg<sup>4</sup>, R. Gross<sup>5</sup>, M. Hornig<sup>6</sup>, C. Hultman<sup>6</sup>, A. Langridge<sup>7</sup>, H. Leonard<sup>7</sup>, A. Nyman<sup>8</sup>, E. T. Parner<sup>9</sup>, M. Posada<sup>10</sup>, A. Reichenberg<sup>11</sup>, S. Sandin<sup>6</sup>, D. E. Schendel<sup>12,13</sup>, A. Sourander<sup>14</sup>, C. Stoltenberg<sup>15</sup>, P. Surén<sup>15</sup> and E. Susser<sup>2</sup>, (1)UWA Centre for Child Health Research, Subiaco, Australia, (2)Columbia University, New York, NY, (3)THL National Institute for Health and Welfare, Helsinki, Finland, (4)University of Aarhus, Aarhus, Denmark, (5)Columbia University, New York, NY, (6)Karolinska Institutet, Stockholm, Sweden, (7)Telethon Institute for Child Health Research, West Perth, Australia, (8)Karolinska Institutet, Stockholm, Sweden, (9)Department of Biostatistics, School of Public Health, University of Aarhus, Aarhus, Denmark, (10)Carlos III Health Institute, Madrid, (11)Kings College, London, England, (12)National Center on Birth Defects and Developmental Disabilities, Centers for Disease Control and Prevention, Atlanta, GA, (13)Centers for Disease Control and Prevention, Atlanta, GA, (14)Dept. of Child Psychiatry, University of Turku, Turku, Finland, (15)Norwegian Institute of Public Health, Oslo, Norway
- 4:30 ➤ **122.004** Advancing Paternal Age, Advancing Maternal Age and Autism. A. Reichenberg<sup>1</sup>, S. Sandin<sup>2</sup>, C. Hultman<sup>2</sup>, M. Bresnahan<sup>3</sup>, K. W. Carter<sup>4</sup>, R. W. Francis<sup>4</sup>, M. Gissler<sup>5</sup>, T. Grönborg<sup>6</sup>, R. Gross<sup>7</sup>, M. Hornig<sup>3</sup>, A. Langridge<sup>8</sup>, H. Leonard<sup>8</sup>, A. Nyman<sup>9</sup>, E. T. Parner<sup>10</sup>, M. Posada<sup>11</sup>, D. E. Schendel<sup>12</sup>, A. Sourander<sup>13</sup>, C. Stoltenberg<sup>14</sup>, P. Surén<sup>14</sup> and E. Susser<sup>3</sup>, (1)Kings College, London, England, (2)Karolinska Institutet, Stockholm, Sweden, (3)Columbia University, New York, NY, (4)UWA Centre for Child Health Research, Subiaco, Australia, (5)THL National Institute for Health and Welfare, Helsinki, Finland, (6)University of Aarhus, Aarhus, Denmark, (7)Columbia University, New York, NY, (8)Telethon Institute for Child Health Research, West Perth, Australia, (9)Karolinska Institutet, Stockholm, Sweden, (10)Department of Biostatistics, School of Public Health, University of Aarhus, Aarhus, Denmark, (11)Carlos III Health Institute, Madrid, (12)National Center on Birth Defects and Developmental Disabilities, Centers for Disease Control and Prevention, Atlanta, GA, (13)Dept. of Child Psychiatry, University of Turku, Turku, Finland, (14)Norwegian Institute of Public Health, Oslo, Norway

Scientific Panels

**123 - Reward Processing In Autism**

3:45 PM - 4:45 PM - Douglas Pavilion A

*Session Chair:* G. S. Dichter; *University of North Carolina*

A novel conceptualization of core autism deficits is that they may reflect dysfunction of brain systems that process rewards. Specifically, it may be that decreased responsivity to social stimuli in autism reflects a failure to assign reward value to social interactions. Similarly, it may be the case that restricted repetitive and stereotyped patterns of behavior, interests and activities reflect hyper-reactive brain reward circuitry responses to certain classes of stimuli, a model that could help to explain symptoms of circumscribed interests that are highly prevalent in ASDs. The brain's reward system, composed of dense dopaminergic projections from the striatum to the prefrontal cortex, has been the focus of systematic study in other neuropsychiatric disorders, resulting in first-line psychopharmacologic treatments that target this system. However, reward system integrity has received relatively little research attention to date in autism. The purpose of this scientific panel is to present new brain imaging, eye-tracking, psychophysiological, behavioral, and animal model data that addresses reward system function in autism. We hope that this panel will encourage increased research into reward system function in autism.

- 3:45 **123.001** Reward Processing In Autism Depends on What and When. G. S. Dichter<sup>1</sup>, J. A. Richey<sup>2</sup>, A. Rittenberg<sup>2</sup>, N. J. Sasson<sup>3</sup> and J. W. Bodfish<sup>4</sup>, (1)University of North Carolina, Chapel Hill, NC, (2)University of North Carolina at Chapel Hill, Chapel Hill, NC, (3)University of Texas at Dallas, Richardson, TX, United States, (4)University of North Carolina - Chapel Hill, Chapel Hill, NC
- 4:00 **123.002** Testing deficits in processing social rewards in high functioning people with autism. R. Adolphs<sup>1</sup>, A. Lin<sup>2</sup> and A. Rangel<sup>2</sup>, (1)Division of Humanities and Social Sciences, California Institute of Technology, Pasadena, CA, (2)California Institute of Technology, Pasadena, CA
- 4:15 **123.003** Functional MRI of Reward Circuitry in Autism: The Effects of Different Reward Types. S. Y. Bookheimer<sup>1</sup>, D. Shirinyan<sup>2</sup>, A. A. Scott-Van Zeeland<sup>3</sup> and M. Dapretto<sup>1</sup>, (1)Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, CA, (2)UCLA, Center for Autism Research and Treatment, Los Angeles, CA, (3)University of California, Los Angeles, CA
- 4:30 **123.004** Translational Research on Interests and Reward in Autism: Identifying Novel Treatment Targets. J. W. Bodfish<sup>1</sup>, J. J. Nadler<sup>2</sup> and S. S. Moy<sup>3</sup>, (1)University of North Carolina - Chapel Hill, NC, United States, (2)University of North Carolina at Chapel Hill, NC, (3)Psychiatry, University of North Carolina at Chapel Hill, NC

**Scientific Panels**

**125 - Infants At High-Risk for Autism: Findings From the Infant Brain Imaging Study (IBIS)**

4:45 PM - 5:45 PM - Elizabeth Ballroom A-C

*Session Chairs:* J. Piven; *University of North Carolina, Chapel Hill (UNC-CH);* H. C. Hazlett; *University of North Carolina at Chapel Hill*

The IBIS (Infant Brain Imaging Study) Network is an NIH-funded Autism Center of Excellence. The study involves longitudinal assessment of infants at high-risk for autism and a low-risk comparison group at 6, 12, and 24 months. Developmental, behavioral, and brain imaging data are collected at each time point. The study is midway through data collection and has seen over 200 six-month-olds and almost 100 12-month-olds. This represents the largest prospective sample of high-risk infants reported to date. This panel will present new developmental, behavioral, and neuroimaging data from the study and early characteristics of high-risk infants.

- 4:45 **125.001** Prospective Characterization of Behavioral Development in High-Risk Infants From 6 to 12 Months of Age. A. M. Estes<sup>1</sup>, S. Paterson<sup>2</sup>, H. Gu<sup>3</sup>, L. Zwaigenbaum<sup>4</sup>, J. Piven<sup>5</sup> and I. B. I. S. Network<sup>6</sup>, (1)Speech and Hearing Sciences, University of Washington, Seattle, WA, (2)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (3)University of North Carolina, Chapel Hill, NC, (4)Pediatrics, University of Alberta, Edmonton, AB, Canada, (5)The Carolina Institute for Developmental Disabilities, University of North Carolina, Chapel Hill (UNC-CH), Chapel Hill, NC, (6)Autism Center of Excellence at UNC, Chapel Hill, NC
- 5:00 **125.002** Disengagement: Associations with Putative Neural Circuitry and Repetitive Behaviors at 12 Months. J. T. Elison<sup>1</sup>, J. Wolff<sup>2</sup>, S. Paterson<sup>3</sup>, K. Botteron<sup>4</sup>, H. Gu<sup>2</sup>, J. Piven<sup>5</sup> and I. B. I. S. Network<sup>6</sup>, (1)University of North Carolina - Chapel Hill, NC, (2)University of North Carolina, Chapel Hill, NC, (3)Center for Autism Research, Children's Hospital of Philadelphia, PA, (4)Washington University School of Medicine, St. Louis, MO, (5)The Carolina Institute for Developmental Disabilities, University of North Carolina, Chapel Hill (UNC-CH), NC, (6)Autism Center of Excellence at UNC, Chapel Hill, NC
- 5:15 **125.003** Comparisons of Brain Size Between High-Risk Infants and Controls at 6 and 12 Months of Age. H. C. Hazlett<sup>1</sup>, H. Gu<sup>2</sup>, S. Paterson<sup>3</sup>, M. Styner<sup>4</sup>, G. Gerig<sup>5</sup>, K. Botteron<sup>6</sup>, S. R. Dager<sup>7</sup>, R. T. Schultz<sup>8</sup>, A. C. Evans<sup>9</sup>, J. Piven<sup>10</sup> and I. B. I. S. Network<sup>11</sup>, (1)University of North Carolina, University of NC, Chapel Hill, NC, (2)University of North Carolina, Chapel Hill, NC, (3)Center for Autism Research, Children's Hospital of Philadelphia, PA, (4)UNC, Chapel Hill, NC, (5)University of Utah, Salt Lake City, UT, (6)Washington University School of Medicine, St. Louis, MO, (7)University of Washington, Seattle, WA, (8)Children, Philadelphia, PA, (9)Montreal Neurological Institute, Montreal, QC, Canada, (10)The Carolina Institute for Developmental Disabilities, University of North Carolina, Chapel Hill (UNC-CH), NC, (11)Autism Center of Excellence at UNC, Chapel Hill, NC

- 5:30 **125.004** Diffusion Tensor Imaging In 6-Month-Old Infants at High-Risk for ASD. S. Paterson<sup>1</sup>, G. Gerig<sup>2</sup>, S. Gouttard<sup>2</sup>, H. Gu<sup>3</sup>, H. C. Hazlett<sup>4</sup>, K. Botteron<sup>5</sup>, R. McKinstry<sup>6</sup>, S. R. Dager<sup>7</sup>, R. T. Schultz<sup>8</sup>, A. C. Evans<sup>9</sup>, J. Piven<sup>10</sup> and I. B. I. S. Network<sup>11</sup>, (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)University of Utah, Salt Lake City, UT, (3)University of North Carolina, Chapel Hill, NC, (4)University of North Carolina, University of NC, Chapel Hill, NC, United States, (5)Washington University School of Medicine, St. Louis, MO, United States, (6)Washington University, St. Louis, MO, (7)University of Washington, Seattle, WA, (8)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (9)Montreal Neurological Institute, Montreal, QC, Canada, (10)The Carolina Institute for Developmental Disabilities, University of North Carolina, Chapel Hill (UNC-CH), Chapel Hill, NC, (11)Autism Center of Excellence at UNC, Chapel Hill, NC

**Scientific Panels**

**126 - International Applications of the Modified Checklist for Autism In Toddlers (M-CHAT) In Level 1 Screening**

4:45 PM - 5:45 PM - Elizabeth Ballroom G-H

*Session Chair:* D. L. Robins<sup>1</sup>, D. A. Fein<sup>2</sup>; (1)*Georgia State University,* (2)*University of Connecticut*

Toddler screening for autism spectrum disorders (ASD) has become a widely discussed topic in recent years. Level 1 screening, conducted with unselected samples, is quite challenging in many ways. Large samples are costly and time-intensive to collect, follow-up is not always feasible and if cases are followed, standard protocols have not been created, leading to variability in outcome measures. However, it is critical to validate instruments in different cultures and geographic regions, in order to verify that the tool performs as expected across settings. The Modified Checklist for Autism in Toddlers (M-CHAT; Robins, Fein, & Barton, 1999) is a parent-report measure of autism risk to be used in toddlers 16-30 months. The M-CHAT has been translated into more than 30 languages, but most have not yet been validated. This scientific panel includes reports of studies using the M-CHAT in four countries: Spain, Japan, Mexico, and the United States. Emphasis is placed on describing study procedures and carefully characterizing the sample collected, outcome variables, and preliminary psychometric properties of the M-CHAT in each study. This panel will allow direct comparison of the M-CHAT's performance in identifying toddlers at risk for ASD.

- 4:45 ➤ **126.001** Population-Based Autism Screening Program Using the M-CHAT In Spain. P. García-Primo<sup>1</sup>, R. Canal-Bedia<sup>2</sup>, M. V. Martín Cilleros<sup>3</sup>, Z. Guisuraga Fernández<sup>3</sup>, L. Herráez-García<sup>2</sup>, M. M. Herraéz García<sup>3</sup>, J. Santos<sup>4</sup>, J. Fuentes-Biggí<sup>5</sup> and M. Posada-de la Paz<sup>6</sup>, (1)National Research Institute for Rare Diseases. Instituto de Salud Carlos III, Madrid, Spain, (2)University of Salamanca, Salamanca, Spain, (3)University of Salamanca, Salamanca, Spain, (4)University of Salamanca, SALAMANCA, Spain, (5)Policlínica Guipúzcoa and GAUTENA, San Sebastián, Spain, (6)National Research Institute of Rare Diseases. Instituto de Salud Carlos III, Madrid, Spain
- 4:57 ➤ **126.002** Early Detection of Autism Spectrum Disorder at 18 Months. Y. Kamio<sup>1</sup>, N. Inada<sup>2</sup>, E. Inokuchi<sup>3</sup> and K. J. Tsuchiya<sup>4</sup>, (1)Department of Child and Adolescent Mental Health, National Center of Neurology and Psychiatry, National Institute of Mental Health, Tokyo, Japan, (2)National Center of Neurology and Psychiatry, Japan, National Institute of Mental Health, Tokyo, Japan, (3)Department of Child and Adolescent Mental Health, National Institute of Metal Health, Tokyo, Japan, (4)Hamamatsu University School of Medicine, Hamamatsu, Japan
- 5:09 ➤ **126.003** Modified Checklist for Autism In Toddlers (Spanish Mex. Version): Transcultural Mexican Study. L. E. Mejía<sup>1</sup> and C. A. Marcin<sup>2</sup>, (1)Planning Directorate of Standards of Evaluation Policy, National Council of Evaluation of Social Public Policy, Mexico City, Mexico, (2)CLIMA Clínica Mexicana de Autismo, Mexico
- 5:21 **126.004** Preliminary Findings From the Modified Checklist for Autism In Toddlers, Revised (M-CHAT-R). D. L. Robins<sup>1</sup> and D. A. Fein<sup>2</sup>, (1)Georgia State University, Atlanta, GA, (2)University of Connecticut, Storrs, CT

**Scientific Panels**  
**127 - Shank Synaptic Genes In Autism: Human Genetics to Mouse Models and Therapeutics**

4:45 PM - 5:45 PM - Douglas Pavilion A

*Session Chair: C. M. Powell; The University of Texas Southwestern Medical Center*

Human genetic studies have revealed multiple, related synaptic genes as potential causes for a small subset of Autism Spectrum Disorders (ASD). Several recent human studies implicate mutations, deletions, and duplications of the postsynaptic density scaffolding genes SHANK3 and SHANK2 in ASD and in the related disorder Phelan-McDermid Syndrome (PMS, 22q13 Deletion). The human genetics case for Shank mutations as a cause of ASD and PMS will be presented followed by unpublished studies on three completely different, novel mouse genetic models based on disease-linked mutations. At least one of these presentations will present preclinical evidence suggesting a novel potential therapeutic target for ASD related to Shank3 mutation.

- 4:45 **127.001** Human Genetics of Shank2 and Shank3 in Autism and Phelan McDermid Syndrome. C. Betancur<sup>1</sup>, 9 quai Saint Bernard, INSERM U952, Paris, France
- 5:00 **127.002** Synaptic Dysfunction in a Novel Shank3 Mouse Model of Autism. J. D. Buxbaum<sup>1</sup>, Mount Sinai School of Medicine, New York, NY
- 5:15 **127.003** Genetic and Epigenetic Analysis of SHANK3 in Humans and Mice. Y. H. Jiang<sup>1</sup>, Pediatrics, Duke University, Durham, NC
- 5:30 **127.004** Behavioral and Synaptic Abnormalities in a Novel PDZ Domain Shank3 Mutant Model of Autism. G. Feng<sup>1</sup>, Brain and Cognitive Sciences, MIT McGovern Insitute for Brain Research, Boston, MA

**Poster Sessions**  
**128 - Clinical Phenotype I**

1:00 PM - 5:30 PM - Elizabeth Ballroom E-G and Litrenta Foyer Level 2

- 1:00 **1 128.001** Exploring Patterns of Change In Social Attention In Young Children with Autism Spectrum Disorder. L. B. Swineford<sup>1</sup> and A. M. Wetherby, Florida State University Autism Institute, Tallahassee, FL
- 2:00 **2 128.002** Diagnostic Stability In Toddlers Diagnosed with Developmental Delay without Autism. J. N. Greenson<sup>1</sup>, S. Faja<sup>2</sup> and G. Dawson<sup>3</sup>, (1)University of Washington, Seattle, WA, (2)Box 357920, University of Washington, Seattle, WA, (3)University of North Carolina, Autism Speaks, UNC Chapel Hill, NC
- 3:00 **3 128.003** Change In ADOS Classification In An Inception Cohort of Preschool Children with ASD. A. Thompson<sup>1</sup>, P. Szatmari<sup>1</sup>, E. Duku<sup>1</sup>, S. Georgiades<sup>1</sup>, S. E. Bryson<sup>2</sup>, E. Fombonne<sup>3</sup>, P. Mirenda<sup>4</sup>, W. Roberts<sup>5</sup>, I. M. Smith<sup>2</sup>, T. Vaillancourt<sup>6</sup>, J. Volden<sup>7</sup>, C. Waddell<sup>8</sup> and L. Zwaigenbaum<sup>9</sup>, (1)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (2)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (3)Montreal Children's Hospital, Montreal, QC, Canada, (4)University of British Columbia, Vancouver, BC, Canada, (5)University of Toronto, Toronto, ON, Canada, (6)University of Ottawa, Ottawa, ON, Canada, (7)University of Alberta, Edmonton, AB, Canada, (8)Simon Fraser University, Burnaby, BC, Canada (9)Pediatrics, University of Alberta, Edmonton, AB, Canada
- 1:00 **4 128.004** A Prospective Study of Sub-Threshold Autistic-Like Traits In Unaffected Siblings of Children with Autism Spectrum Disorder. S. Georgiades<sup>1</sup>, P. Szatmari<sup>1</sup>, L. Zwaigenbaum<sup>2</sup>, S. E. Bryson<sup>3</sup>, J. A. Brian<sup>4</sup>, W. Roberts<sup>5</sup>, I. M. Smith<sup>3</sup>, T. Vaillancourt<sup>6</sup> and C. Roncadin<sup>7</sup>, (1)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (2)Pediatrics, University of Alberta, Edmonton, AB, Canada, (3)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (4)Bloorview Research Institute, Toronto, ON, Canada, (5)University of Toronto, Toronto, ON, Canada, (6)University of Ottawa, Ottawa, ON, Canada, (7)Peel Children's Centre, Mississauga, ON, Canada

- 2:00 **5 128.005** Finding the Trees In the Forest: Predictors of Typical and Atypical Outcome Based on ADOS-T Item Analysis at 12 Months. S. Macari<sup>1</sup>, D. Campbell<sup>2</sup>, C. A. Saulnier<sup>3</sup>, K. Bearss<sup>4</sup>, F. Shic<sup>1</sup> and K. Chawarska<sup>5</sup>, (1)Yale University School of Medicine, New Haven, CT, (2)Department of Statistics, Yale University, New Haven, CT, (3)Yale Child Study Center, New Haven, CT, (4)Yale University School of Medicine, New Haven, CT, (5)Child Study Center, Yale University School of Medicine, New Haven, CT
- 3:00 **6 128.006** Non-Directed Gesture Use In Infant Siblings at Risk for ASD. S. J. Mitchell<sup>1</sup>, W. Roberts<sup>2</sup>, J. A. Brian<sup>3,4</sup> and L. Zwaigenbaum<sup>5</sup>, (1)Toronto, ON, Canada, (2)University of Toronto, Toronto, ON, Canada, (3)Bloorview Research Institute, Toronto, ON, Canada, (4)Hospital for Sick Children, Toronto, ON, Canada, (5)Pediatrics, University of Alberta, Edmonton, AB, Canada
- 1:00 **7 128.007** Infants at Risk for ASD Show Aberrant Preferences for Speech Stimuli at 6 and 9 Months. R. Paul<sup>1</sup>, G. W. McRoberts<sup>2</sup>, E. Schoen<sup>1</sup>, M. Lyons<sup>1</sup> and K. Chawarska<sup>1</sup>, (1)Yale Child Study Center, New Haven, CT, (2)Haskins Laboratories, New Haven, CT
- 2:00 **8 128.008** The Association Between Developmental Risk Status and Early Feeding Patterns. K. O'Loughlin<sup>1</sup>, A. Klin<sup>2</sup> and K. Chawarska<sup>1</sup>, (1)Yale University School of Medicine, New Haven, CT, (2)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA
- 3:00 **9 128.009** Early Cognitive Trajectories Associated with Autism Spectrum Disorders In A High-Risk Longitudinal Cohort. J. A. Brian<sup>1</sup>, C. Roncadin<sup>2</sup>, S. E. Bryson<sup>3</sup>, I. M. Smith<sup>3</sup>, E. Duku<sup>4</sup>, I. E. Drmic<sup>5</sup>, T. McMullen<sup>5</sup>, W. Roberts<sup>6</sup>, P. Szatmari<sup>4</sup> and L. Zwaigenbaum<sup>7</sup>, (1)Bloorview Research Institute, Toronto, ON, Canada, (2)Peel Children's Centre, Mississauga, ON, Canada, (3)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (4)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (5)Hospital for Sick Children, Toronto, ON, Canada, (6)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (7)Pediatrics, University of Alberta, Edmonton, AB, Canada
- 1:00 **10 128.010** Early Attentional Abilities Are Stable In Infant Siblings of Children with An Autism Spectrum Disorder (ASD). L. V. Ibanez<sup>1</sup>, W. L. Stone<sup>2</sup>, N. V. Ekas<sup>3</sup>, W. Gealy<sup>4</sup> and D. S. Messinger<sup>4</sup>, (1)Psychology/CHDD, University of Washington Autism Center, Seattle, WA, (2)University of Washington, Seattle, WA, (3)PO Box 248185, University of Miami, Coral Gables, FL, (4)University of Miami, Coral Gables, FL
- 2:00 **11 128.011** Two-Year Outcome and Developmental Progress of Toddlers with Autism Spectrum Disorders (ASD) Receiving Early Intervention. R. Choueiri<sup>1</sup>, S. Wagner<sup>2</sup>, S. Mangan<sup>3</sup> and E. Perrin<sup>4</sup>, (1)Floating Hospital for Children, Boston, MA, (2)Lexington, MA, United States, (3)Floating Hospital for Children, Boston, MA, (4)Boston, MA
- 3:00 **12 128.012** Examining Early Developmental Trajectories for Children with and without Parent-Reported Skill Regression. C. E. Ray-Subramanian<sup>1</sup> and S. Ellis Weismer<sup>2</sup>, (1)Waisman Center, University of Wisconsin-Madison, Madison, WI, (2)University of Wisconsin-Madison, Madison, WI
- 1:00 **13 128.013** Developmental Regression In the Simons Simplex Collection. R. P. Goin-Kochel<sup>1</sup>, A. N. Esler<sup>2</sup>, S. M. Kanne<sup>3</sup> and V. Hus<sup>4</sup>, (1)Baylor College of Medicine, Houston, TX, United States, (2)420 Delaware Street SE, MMC 486, University of Minnesota, Minneapolis, MN, United States, (3)Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO, (4)University of Michigan, Ann Arbor, MI
- 2:00 **14 128.014** Characteristics of Developmental Regression In Autism Spectrum Disorders. L. D. Nations<sup>1</sup>, M. A. Pericak-Vance and M. L. Cuccaro, John P Hussman Institute for Human Genomics, Miami, FL
- 3:00 **15 128.015** Patterns of Early Skill Attainment and Loss In Young Children with Autism. A. Thurm<sup>1</sup>, S. Shumway<sup>2</sup> and D. Luckenbaugh<sup>3</sup>, (1)National Institutes of Health - National Institute of Mental Health, Bethesda, MD, (2)National Institutes of Health - National Institute of Mental Health, Bethesda, MD, (3)National Institute of Mental Health, Bethesda, MD
- 1:00 **16 128.016** Investigation Into the Genetics of Regression In Autism: Concordance Rates of Regression Obtained From the Autism Genetic Resource Exchange (AGRE) Database. K. R. Dobkins<sup>1</sup>, Y. Zhang<sup>2</sup> and J. N. Constantino<sup>2</sup>, (1)University of California, San Diego, La Jolla, CA, (2)Washington University School of Medicine, Saint Louis, MO
- 2:00 **17 128.017** Narratives Abilities In Optimal Outcome Children with a History of Autism Spectrum Disorders. J. Suh<sup>1</sup>, I. M. Eigsti<sup>1</sup>, M. Barton<sup>1</sup>, K. E. Tyson<sup>1</sup>, A. Green<sup>1</sup>, M. A. Rosenthal<sup>1</sup>, E. Troyb<sup>1</sup>, M. Helt<sup>1</sup>, A. Orinstein<sup>1</sup>, R. T. Schultz<sup>2</sup>, M. C. Stevens<sup>3</sup>, E. A. Kelley<sup>4</sup>, L. Naigles<sup>1</sup> and D. A. Fein<sup>1</sup>, (1)University of Connecticut, Storrs, CT, (2)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (3)Institute of Living, Hartford Hospital / Yale University, Hartford, CT, (4)62 Arch St., Queen's University, Kingston, ON, Canada
- 3:00 **18 128.018** Restricted and Repetitive Behaviors In Children and Adolescents with ASDs Who Have Achieved Optimal Outcomes. E. Troyb<sup>1</sup>, A. Orinstein<sup>1</sup>, K. E. Tyson<sup>1</sup>, M. Helt<sup>1</sup>, M. A. Rosenthal<sup>1</sup>, I. M. Eigsti<sup>1</sup>, E. A. Kelley<sup>2</sup>, M. C. Stevens<sup>3</sup>, R. T. Schultz<sup>4</sup> and D. A. Fein<sup>1</sup>, (1)University of Connecticut, Storrs, CT, (2)62 Arch St., Queen's University, Kingston, ON, Canada, (3)Institute of Living, Hartford Hospital / Yale University, Hartford, CT, United States, (4)Center for Autism Research, Children's Hospital of Philadelphia, PA
- 1:00 **19 128.019** Development of Restricted and Repetitive Behaviors In Autism Spectrum Disorders From Childhood to Adulthood. J. Richler<sup>1</sup>, S. L. Bishop<sup>2</sup> and C. Lord<sup>3</sup>, (1)Department of Psychological & Brain Sciences, Bloomington, IN, (2)Cincinnati Children's Hospital Medical Center, Cincinnati, OH, (3)University of Michigan, Ann Arbor, MI
- 2:00 **20 128.020** Parent Report of ASD Symptom Change In Children From Multiplex Families. K. Ankenman<sup>1</sup>, S. J. Webb<sup>1</sup>, R. T. Lowy<sup>2</sup>, R. A. Bernier<sup>2</sup> and E. M. Wijsman<sup>2</sup>, (1)University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA

- 3:00 **21 128.021** Transition of Young Adults with Autism Spectrum Disorder. N. Gillan<sup>1</sup>, C. M. Murphy<sup>2</sup>, D. Robertson<sup>3</sup>, D. Spain<sup>4</sup>, M. J. Doyle<sup>5</sup>, E. Wilson<sup>6</sup>, C. Ecker<sup>7</sup>, E. Daly<sup>8</sup>, V. D'Alemaida<sup>6</sup> and D. G. Murphy<sup>7</sup>, (1)De Crespigny Park, London, United Kingdom, (2)King's College London, Institute of Psychiatry, London, (3)south London & Maudsley NHS Trust, London, (4)King's College London, Institute of Psychiatry,, London, United Kingdom, (5)Institute of Psychiatry, London, United Kingdom, (6)King's College London, London, United Kingdom, (7)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom, (8)Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, Kings College London, London, United Kingdom
- 1:00 **22 128.022** Complex Autism and Clinical Severity In the Simons Simplex Collection (SSC). M. Lasala<sup>1</sup>, C. M. Brewton<sup>2</sup>, C. P. Schaa<sup>2</sup> and R. P. Goin-Kochel<sup>3</sup>, (1)Sugar Land, TX, (2)Baylor College of Medicine, Houston, TX, (3)Baylor College of Medicine, Houston, TX
- 2:00 **23 128.023** An Examination of Head Circumference In Autism Spectrum Disorders. J. Varley<sup>1</sup>, J. Munson<sup>2</sup>, J. Wenegrat<sup>3</sup>, K. Sullivan<sup>3</sup> and R. A. Bernier<sup>2</sup>, (1)Seattle, WA, (2)University of Washington, Seattle, WA, (3)University of Washington, Seattle, WA
- 3:00 **24 128.024** 2D:4D Digit Ratio In Boys with ASD. C. Green<sup>1</sup>, C. Dissanayake<sup>2</sup> and D. Z. Loesch<sup>3</sup>, (1)Psychological Sciences, Olga Tennison Autism Research Centre, Bundoora, Australia, (2)La Trobe University, Olga Tennison Autism Research Centre, Bundoora 3086, Australia, (3)Psychological Science, La Trobe University, Bundoora, Australia
- 1:00 **24A 134.123** Sensory Seeking Behaviors and Orientation to Social and Non-Social Sensory Stimuli In Infant Siblings of Children with Autism Spectrum Disorders. C. Damiano<sup>1</sup>, W. L. Stone<sup>2</sup>, E. H. Catania<sup>3</sup>, K. Woodburn<sup>3</sup>, Z. Warren<sup>3</sup>, A. P. F. Key<sup>3</sup>, M. Murias<sup>2</sup> and C. J. Cascio<sup>3</sup>, (1)University of North Carolina- Chapel Hill, Chapel Hill, NC, (2)University of Washington, Seattle, WA, (3)Vanderbilt University, Nashville, TN

**Poster Sessions**  
**128 - Clinical Phenotype II**

1:00 PM - 5:30 PM - Elizabeth Ballroom E-G and Litrenta Foyer Level 2

- 1:00 **25 128.025** Do Sensory Markers Improve ASD Screening Accuracy at 12-months?. A. Ben-Sasson<sup>1</sup> and A. S. Carter<sup>2</sup>, (1)University of Haifa, Haifa, Israel, (2)University of Massachusetts Boston, Boston, MA
- 2:00 **26 128.026** National Survey of Sensory Features In Children with ASD: Factor Structure of the Sensory Experiences Questionnaire. K. K. Ausderau<sup>1</sup>, J. H. Sideris<sup>2</sup>, L. M. Little<sup>3</sup> and G. T. Baranek<sup>4</sup>, (1)University of North Carolina, Carrboro, (2)Frank Porter Graham Institute, Chapel Hill, NC, (3)University of North Carolina at Chapel Hill, Carrboro, NC, United States, (4)University of North Carolina at Chapel Hill, Chapel Hill, NC

- 3:00 **27 128.027** Validation of Proposed DSM-5 Criteria for Autism Spectrum Disorder. T. W. Frazier<sup>1</sup>, E. A. Youngstrom<sup>2</sup>, L. Speer<sup>3</sup>, R. Embacher<sup>4</sup>, P. A. Law<sup>5</sup>, J. N. Constantino<sup>6</sup>, R. Findling<sup>7</sup>, A. Y. Hardan<sup>8</sup> and C. Eng<sup>9</sup>, (1)Cleveland Clinic, Cleveland, OH, (2)University of North Carolina at Chapel Hill, Chapel Hill, NC, (3)Center for Autism, Cleveland Clinic, Cleveland, OH, (4)Cleveland Clinic Center for Autism, Cleveland, OH, (5)Kennedy Krieger Institute, Baltimore, MD, (6)Washington University School of Medicine, Saint Louis, MO, (7)University Hospitals Case Medical Center, Cleveland, OH, (8)Stanford University School of Medicine/Lucile Packard Children's Hospital, Stanford, CA, (9)Genomic Medicine Institute, Cleveland Clinic, Cleveland, OH
- 1:00 **28 128.028** Use of a Severity Scale In Clinical Practice. P. Manning-Courtney<sup>1</sup>, D. Murray<sup>1</sup>, S. L. Bishop<sup>1</sup> and J. Reinhold<sup>2</sup>, (1)Cincinnati Children's Hospital Medical Center, Cincinnati, OH, (2)Cincinnati Children's Hospital Medical Center, Cincinnati, OH
- 2:00 **29 128.029** Examining the Stability of the Autism Diagnostic Interview-Revised In the Autism Genome Project Sample of Children 4 to 18 Years. P. Szatmari<sup>1</sup>, E. Duku<sup>1</sup>, S. Georgiades<sup>1</sup>, A. Thompson<sup>1</sup>, X. Q. Liu<sup>2</sup> and A. D. Paterson<sup>3</sup>, (1)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (2)OB/GYN; Biochemistry and Medical Genetics, University of Manitoba, Winnipeg, MB, Canada, (3)Toronto, ON, Canada
- 3:00 **30 128.030** Diagnosis of Autism Utilizing the ADOS and ADI-R: Are There Factors to Account for Discrepancies?. C. L. Grantham<sup>1</sup>, M. W. Gower<sup>2</sup>, M. K. McCalla<sup>2</sup>, A. N. Harris<sup>2</sup>, S. E. O'Kelley<sup>3</sup> and K. C. Guest<sup>4</sup>, (1)University of Alabama at Birmingham, Athens, AL, (2)University of Alabama at Birmingham, Birmingham, AL, (3)UAB Civitan-Sparks Clinics, Birmingham, AL, (4)Psychology, University of Alabama at Birmingham, Birmingham, AL
- 1:00 **31 128.031** Concurrent Validity and Stability of Diagnosis Using Three Measures of ASD Symptom Severity. B. Boyd<sup>1</sup>, K. Hume<sup>2</sup>, M. McBee<sup>1</sup> and S. Odom<sup>3</sup>, (1)University of North Carolina at Chapel Hill, NC, (2)Frank Porter Graham Child Development Institute, University of North Carolina, Chapel Hill, (3)University of North Carolina, Chapel Hill, NC
- 2:00 **32 128.032** The Structure of Autism Symptoms as Measured by the ADOS. M. Norris<sup>1</sup> and L. Lecavalier<sup>2</sup>, (1)University of Rochester, Rochester, NY, (2)Ohio State University, Columbus, OH
- 3:00 **33 128.033** Assessing Autism Symptoms with ADOS Calibrated Severity Scores. A. C. Vehorn<sup>1</sup>, E. H. Dohrmann<sup>2</sup> and H. Noble<sup>1</sup>, (1)Vanderbilt, Nashville, TN, (2)Vanderbilt, Nashville, TN
- 1:00 **34 128.034** Comparing Performance of Children with ASD and ADHD on the Autism Diagnostic Observation Schedule. E. Molloy<sup>1</sup>, P. Manning-Courtney<sup>2</sup>, D. Murray<sup>2</sup>, C. A. Molloy<sup>2</sup> and S. L. Bishop<sup>2</sup>, (1)Washington University in St. Louis, St. Louis, MO, (2)Cincinnati Children's Hospital Medical Center, Cincinnati, OH
- 2:00 **35 128.035** Sensory Symptoms In ASD: Over-reported by Caregivers or Underreported by Children? A Comparison of Two Versions of the Sensory Profile. F. Velasquez<sup>1</sup>, C. R. Stewart<sup>1</sup>, S. Sanchez<sup>1</sup>, E. L. Grenesko<sup>1</sup>, A. J. Lincoln<sup>2</sup> and R. A. Müller<sup>1</sup>, (1)Psychology, Brain Development Imaging Laboratory, San Diego State University, San Diego, CA, (2>Alliant International University;Center for Autism Research, Evaluation and Service, San Diego, CA

- 3:00 **36 128.036** The Assessment of Adaptive Functioning In Children and Adolescents with ASD: A Comparison of Two Widely Used Measures. J. Pandey<sup>1</sup>, H. W. Kang<sup>1</sup>, I. Giserman<sup>2</sup>, L. Bradstreet<sup>3</sup>, S. J. Cayless<sup>4</sup> and R. T. Schultz<sup>5</sup>, (1)Children's Hospital of Philadelphia, Philadelphia, PA, (2)Children's Hospital of Philadelphia, Philadelphia, PA, (3)Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA, (4)Suite 860, Children's Hospital of Philadelphia, Philadelphia, PA, (5)Center for Autism Research, Children's Hospital of Philadelphia, PA
- 1:00 **37 128.037** Examining the Criterion-Related Validity of the PDD-BI. C. A. McMorris<sup>1</sup>, A. Perry<sup>2</sup> and M. Ebrahimi<sup>3</sup>, (1)Clinical-Developmental Psychology, York University, Toronto, ON, Canada, (2)4700 Keele Street BSB 133B, York University, Toronto, ON, Canada, (3)York Central Hospital, Richmond Hill, ON, Canada
- 2:00 **38 128.038** Reliability and Validity of the PDD Behavior Inventory-Screening Version (PDDBI-SV) Scoring System. I. L. Cohen<sup>1</sup>, C. Gray<sup>2</sup>, E. M. Lennon<sup>3</sup>, M. Gonzalez<sup>4</sup>, T. R. Gomez<sup>4</sup>, B. Z. Karmel<sup>3</sup> and J. M. Gardner<sup>5</sup>, (1)1050 Forest Hill Rd, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (2)Puget Sound Psychology & Consulting, Lynnwood, WA, (3)NYS Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (4)Psychology, NYS Institute for Basic Research in DD, Staten Island, NY, (5)New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY
- 3:00 **39 128.039** Differential Diagnosis of Autism Spectrum Disorders and Other Developmental Delays Using the BASC-2 PRS-P. J. I. Juechter<sup>1</sup>, D. L. Robins<sup>1</sup>, R. W. Kamphaus<sup>1</sup> and D. A. Fein<sup>2</sup>, (1)Georgia State University, Atlanta, GA, (2)University of Connecticut, Storrs, CT
- 1:00 **40 128.040** Stereotyped Behaviors and Restricted Interests In Toddlers with ASD: Prevalence and Diagnostic Significance. L. H. Shulman<sup>1</sup>, K. Hottinger, R. M. Seijo, D. Meringolo and N. Tarshis, CERC, Albert Einstein College of Medicine, Bronx, NY
- 2:00 **41 128.041** Measuring Repetitive Behaviors In Toddlers with ASD. J. L. Mussey<sup>1</sup>, A. B. Barber and L. G. Klinger, University of Alabama, Tuscaloosa, AL
- 3:00 **4 128.042** The Development of A New Brief Measure of Social and Nonsocial Autistic-Like Traits In Young Children. A. Ronald<sup>1</sup>, K. Hudry<sup>2</sup>, L. A. Tucker<sup>3</sup>, G. Pasco<sup>4</sup>, C. Byrd<sup>5</sup>, M. Elsabbagh<sup>6</sup>, T. Charman<sup>4</sup>, M. H. Johnson<sup>7</sup> and .. The BASIS Team<sup>8</sup>, (1)Birkbeck College, London, United Kingdom, (2)Olga Tennison Autism Research Centre, La Trobe University, Bundoora, Australia, (3)Birkbeck, University of London, London, (4)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (5)University of North Carolina at Chapel Hill, Chapel Hill, NC, (6)Centre for Brain and Cognitive Development, Birkbeck, London, United Kingdom, (7)Centre for Brain and Cognitive Development, Birkbeck, University of London, London, United Kingdom, (8)Birkbeck, London, United Kingdom
- 1:00 **43 128.043** Discriminating Reactive Attachment Disorder From Autism Spectrum Disorders: Key Symptoms and Clinical Characteristics. M. Murin<sup>1</sup>, C. Willis<sup>2</sup>, H. Minnis<sup>3</sup>, W. Mandy<sup>4</sup> and D. H. Skuse<sup>5</sup>, (1)Great Ormond Street Hospital, London, United Kingdom, (2)Department of Child and Adolescent Mental Health, Great Ormond Street Hospital for Children, London, United Kingdom, (3)University of Glasgow, Glasgow, United Kingdom, (4)University College London, London, United Kingdom, (5)Institute of Child Health, London, United Kingdom
- 2:00 **44 128.044** The Use of the Social Responsiveness Scale to Discriminate Between Autism Spectrum Diagnoses and Communication Disorders. B. Gorka<sup>1</sup>, Autism Center, Children's Hospital of Michigan, Detroit, MI
- 3:00 **45 128.045** The Association of the Social Responsiveness Scale (SRS) with Measures of Global Intelligence and Adaptive Functioning In the Assessment of Children with ASDs. B. Gorka<sup>1</sup>, C. Mader, B. Patel and N. Gjolaj, Autism Center, Children's Hospital of Michigan, Detroit, MI
- 1:00 **46 128.046** Use of the Social Responsiveness Scale to Discriminate Between Autism Spectrum Diagnoses and Communication Disorders. A. Veenstra<sup>1</sup>, N. Gjolaj<sup>2</sup>, M. Palance<sup>1</sup>, B. Patel<sup>1</sup> and M. E. Behen<sup>1</sup>, (1)Autism Center, Children's Hospital of Michigan, Detroit, MI, (2)Children's Hospital of Michigan Autism Center, Novi, MI
- 2:00 **47 128.047** Validity of the Autism Dysmorphology Measure (ADM) for Assessment of Generalized Dysmorphology. J. H. Miles<sup>1</sup>, Thompson Center at the University of Missouri, Columbia, MO
- 3:00 **48 128.048** Exploring the Relationship Between Essential/Complex Autism Subgroups and Parent Report of ASD Phenotypic Variables. T. N. Takahashi<sup>1</sup>, S. M. Kanne<sup>2</sup>, M. O. Mazurek<sup>3</sup> and J. H. Miles<sup>4</sup>, (1)Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO, (2)Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO, United States, (3)Health Psychology, University of Missouri - Columbia, Columbia, MO, (4)Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO
- 1:00 **49 128.049** How Are Diagnostic Tools Used In Clinical Practice? Evidence From a Nationwide Survey of Children's Diagnostic Services In Wales, UK. S. R. Leekam<sup>1,2</sup>, D. Wimpory<sup>3</sup>, J. Lidstone<sup>4</sup>, C. Ramsden<sup>4</sup> and H. Morgan<sup>5</sup>, (1)Park Place, Cardiff University, Cardiff, United Kingdom, (2)Park Place, Cardiff University, Cardiff, Wales, (3)Psychology, Bangor University, Bangor, Gwynedd, Wales, (4)Psychology, Cardiff University, Cardiff, Wales, (5)Children's Health and Social Services Branch, Welsh Assembly Government, Cardiff, Wales



Poster Sessions

128 - Clinical Phenotype III

1:00 PM - 5:30 PM - Elizabeth Ballroom E-G and Litrenta Foyer Level 2

- 1:00 **50 128.050** The Observation of Spontaneous Expressive Language: A New Measure for Spontaneous and Expressive Language of Children with Autism Spectrum Disorders and Communication Disorders. S. H. Kim<sup>1</sup>, D. Junker<sup>2</sup>, K. Houck<sup>2</sup> and C. Lord<sup>3</sup>, (1)University of Michigan Autism and Communication Disorders Center, Ann Arbor, MI, (2)University of Michigan Autism and Communication Disorders Center, Ann Arbor, MI, (3)University of Michigan, Ann Arbor, MI
- 2:00 **51 128.051** Gender Differences In Presentation of Autism Spectrum Disorders. C. Tam<sup>1</sup>, A. Johnston<sup>2</sup>, J. M. Doerr<sup>3</sup>, S. J. Brewster<sup>1</sup> and E. Hanson<sup>4</sup>, (1)Children's Hospital Boston, Boston, MA, (2)UNC, Chapel Hill, NC, (3)Children's Hospital Boston, Brookline, MA, (4)Children's Hospital Boston, Boston, MA
- 3:00 **52 128.052** Visual Scanning of Faces In Childhood Disintegrative Disorder. A. C. Voos<sup>1</sup>, A. Westphal<sup>2</sup>, M. D. Kaiser<sup>1</sup>, D. R. Sugrue<sup>1</sup>, F. R. Volkmar<sup>1</sup> and K. A. Pelphrey<sup>1</sup>, (1)Child Study Center, Yale University, New Haven, CT, (2)Yale Child Study Center, New Haven, CT
- 1:00 **53 128.053** Salient Feature Extraction From Video Stimuli for Diagnostic Gaze Tracking Paradigms. D. Conant<sup>1</sup>, R. Stoner, E. Musker, S. Marinero, E. Borchert and K. Pierce, Neurosciences and UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA
- 2:00 **54 128.054** Geometric Responders: A Clearly Definable Subgroup of Toddlers with ASD. R. Hazin<sup>1</sup>, D. Conant, R. Stoner, S. Marinero and K. Pierce, Neurosciences and UCSD Autism Center of Excellence, University of California, San Diego, La Jolla, CA
- 3:00 **55 128.055** Do Lateral Glances Characterize a Specific Autistic Phenotype? Evidences From a Systematic Study. G. S. Doneddu<sup>1</sup>, M. Foscoliano<sup>1</sup>, G. Frigo<sup>1</sup>, P. M. Peruzzi<sup>1</sup>, F. Casano<sup>1</sup>, S. Congiu<sup>1</sup> and R. Fadda<sup>2</sup>, (1)Center for Pervasive and Developmental Disorders, AOB, Cagliari, Italy, (2)Department of Psychology, University of Cagliari, Cagliari, Italy
- 1:00 **56 128.056** Peaks of Ability Combined with Speech Onset Identify Subgroups within Autism Spectrum. M. M. Geoffroy<sup>1,2</sup>, I. Soulières<sup>3,4</sup> and C. Berthiaume<sup>5</sup>, (1)Institut des sciences cognitives, Bron, France, (2)ITTAC, Villeurbanne, France, (3)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada, (4)Neural Systems Group, Massachusetts General Hospital, Charlestown, MA, (5)Hopital Riviere-des-Prairies, Montreal, QC, Canada
- 2:00 **57 128.057** Social Communication Deficits Are Measurable In Very Young Infants at Risk for ASD. M. M. Abdullah<sup>1</sup>, P. A. Filipek<sup>2</sup>, P. L. Horner<sup>3</sup>, J. T. Phan<sup>3</sup> and K. L. Pham<sup>3</sup>, (1)Psychology and Social Behavior, University of California, Irvine, Irvine, CA, (2)University of Texas Health Science Center at Houston, Houston, TX, United States, (3)For OC Kids Neurodevelopmental Center, Orange, CA
- 3:00 **58 128.058** Children with Autism Spectrum Disorders and 'Special Abilities' Represent a Unique Clinical Subgroup. E. Ben Itzhak<sup>1</sup>, A. Binet<sup>2</sup> and D. A. Zachor<sup>3</sup>, (1)Ariel University Center/ Assaf Harofeh Medical Center, Givat Shmuel, Israel, (2)Bar Ilan University, Ramat Gan, Israel, (3)Tel Aviv University / Assaf Harofeh Medical Center, Zerifin, Israel
- 1:00 **59 128.059** Relation Between Cognitive Profile and Social Functioning. P. Ventola<sup>1</sup>, M. Levine, J. Tirrell, D. DePedro, J. Wolf, C. A. Saulnier and K. D. Tsatsanis, Yale Child Study Center, New Haven, CT
- 2:00 **60 128.060** Social Cognition Mediates the Relationship Between Autism-Associated Social Traits and Social Skill. R. B. Nowlin<sup>1</sup> and N. J. Sasson<sup>2</sup>, (1)University of Texas at Dallas, Richardson, TX, (2)University of Texas at Dallas, Richardson, TX
- 3:00 **61 128.061** Social Subtypes In High-Functioning ASD. A. M. Scheeren<sup>1</sup>, S. Begeer and H. M. Koot, VU University, Amsterdam, Netherlands
- 1:00 **62 128.062** Examining the Possible Impact of Specific Symptoms of Autism Spectrum Disorder on the Social and Behavioral Adjustment of Typically Developing Siblings. A. Lian<sup>1</sup>, K. Greenberg<sup>1</sup> and E. Hanson<sup>2,3</sup>, (1)Children's Hospital Boston, Boston, MA, United States, (2)Harvard Medical School, Boston, MA, (3)Children's Hospital Boston, Boston, MA
- 2:00 **63 128.063** New Evidence of An Endophenotype Associated with Impaired Shifting Attention In Male Siblings of Proband with Autism. M. Germone<sup>1,2</sup>, A. J. Lincoln<sup>3</sup> and J. Townsend<sup>4</sup>, (1>Alliant International University, San Diego, CA, (2)Center for Autism Research Evaluation and Service (CARES), San Diego, CA, (3>Alliant International University; Center for Autism Research, Evaluation and Service, San Diego, CA, United States, (4)University of California, San Diego, CA
- 3:00 **64 128.064** Social-Communicative Abilities In Young Siblings of Children with Autism Spectrum Disorder (ASD). S. Van der Pael<sup>1</sup>, L. Ruysschaert, I. Schietecatte, P. Warreyn and H. Roeyers, Department of Experimental - Clinical and Health Psychology, Ghent University, Ghent, Belgium
- 1:00 **65 128.065** The Broad Autism Phenotype Questionnaire: Mothers Versus Fathers of Children with An Autism Spectrum Disorder. N. Yirmiya<sup>1</sup>, I. Seidman<sup>2</sup>, S. Milshtein<sup>2</sup>, R. Ebstein<sup>2</sup> and S. Levi<sup>2</sup>, (1)Hebrew University Jerusalem, Jerusalem, Israel, (2)The Hebrew University, Jerusalem, Israel
- 2:00 **66 128.066** Behavioral Approach Characteristics and Variability In Onset Patterns and Symptom Presentation In ASD Siblings. A. P. Inge<sup>1</sup> and R. J. Landa, Kennedy Krieger Institute, Baltimore, MD
- 3:00 **67 128.067** Social Cognitive Profiles of Children with Autism and Their Siblings. S. E. Thompson<sup>1</sup>, E. Scollin<sup>1</sup>, R. A. Libove<sup>2</sup>, J. M. Phillips<sup>3</sup>, K. J. Parker<sup>2</sup> and A. Y. Hardan<sup>2</sup>, (1)PGSP-Stanford PsyD Consortium, Palo Alto, CA, (2)Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, CA, (3)Stanford University School of Medicine/Lucile Packard Children's Hospital, Stanford, CA
- 1:00 **68 128.068** The Relationship Between Repetitive Behaviors In UIC-ACE Probands with Parent BAPO. N. Maltman<sup>1</sup>, S. J. Guter<sup>2</sup>, I. Chung<sup>1</sup>, E. H. Cook<sup>1</sup> and S. Jacob<sup>1</sup>, (1)University of Illinois at Chicago, Chicago, IL, (2)University of Illinois at Chicago, Chicago, IL
- 2:00 **69 128.069** The Contribution of the Broader Autism Phenotype to Well-Being In Mothers of Adolescents and Adults with An Autism Spectrum Disorder. G. I. Orsmond<sup>1</sup>, M. M. Seltzer<sup>2</sup> and S. Hartley<sup>2</sup>, (1)Department of Occupational Therapy, Boston University, Boston, MA, (2)Waisman Center, University of Wisconsin-Madison, Madison, WI

- 3:00 **70 128.070** Expression of the Broad Autism Phenotype In Simplex Autism Families From the Simons Simplex Collection. J. A. Crittendon<sup>1</sup>, Z. Warren<sup>2</sup>, R. Hundley<sup>3</sup>, R. P. Goin-Kochel<sup>4</sup> and S. U. Peters<sup>5,6</sup>, (1)Vanderbilt Kennedy Center, Nashville, TN, (2)Vanderbilt University, Nashville, TN, (3)Pediatrics, Vanderbilt University, Nashville, TN, (4)Baylor College of Medicine, Houston, TX, United States, (5)230 Appleton Place, Nashville, TN, (6)Pediatrics, Vanderbilt University; Kennedy Center for Research on Human Development, Nashville, TN
- 1:00 **71 128.071** The Role of Attachment and Narrative In Parental Coping with a Child's Diagnosis of Autism. A. A. Harris<sup>1</sup>, M. Losh<sup>2</sup>, E. F. Dillon<sup>1</sup>, K. P. Wilson<sup>3</sup>, A. M. Sam<sup>4</sup>, B. Honeycutt<sup>1</sup>, E. Lamarche<sup>1</sup> and G. Martin<sup>1</sup>, (1)FPG Child Development Institute, UNC Chapel Hill, Chapel Hill, NC, (2)The Roxelyn and Richard Pepper Department of Communication Sciences and Disorders, Northwestern University, Evanston, IL, (3)University of North Carolina at Chapel Hill, Chapel Hill, NC, (4)Frank Porter Graham Child Development Institute, University of North Carolina, Chapel Hill, Carrboro, NC
- 2:00 **72 128.072** Towards Identifying Phenotypic Subtypes In Autism: Fragile X Syndrome, A Disorder of Lower-Order Repetitive Behaviors. J. J. Wolff<sup>1</sup>, J. Piven<sup>2</sup>, H. C. Hazlett<sup>3</sup>, A. A. Lightbody<sup>4</sup> and A. Reiss<sup>4,5</sup>, (1)Carolina Institute for Developmental Disabilities, University of North Carolina at Chapel Hill, Chapel Hill, NC, (2)Carolina Institute for Developmental Disabilities, University of North Carolina at Chapel Hill, Chapel Hill, NC, (3)Carolina Institute for Developmental Disabilities, University of North Carolina at Chapel Hill, Chapel Hill, NC, (4)Psychiatry, Stanford University, Stanford, CA, (5)Center for Interdisciplinary Brain Sciences Research, Stanford University, Stanford, CA
- 3:00 **73 128.073** Autism Symptomatology In Primary Agenesis of the Corpus Callosum. L. K. Paul<sup>1</sup>, C. Corsello<sup>2</sup>, D. P. Kennedy<sup>1</sup>, D. Childress<sup>3</sup>, B. C. F. Cheng<sup>1</sup> and R. Adolphs<sup>1</sup>, (1)Division of Humanities and Social Sciences, California Institute of Technology, Pasadena, CA, (2)University of California, San Diego, La Jolla, CA, (3)NDRC, University of North Carolina at Chapel Hill, NC
- 1:00 **74 128.074** Gait Analysis In Autistic Young Adults Indicates Motor Disregulation. M. Weiss<sup>1</sup>, M. F. Moran<sup>2</sup>, M. E. Parker<sup>3</sup> and J. T. Foley<sup>4</sup>, (1)Fairfield University, Fairfield, CT, (2)College of Education & Health Professions, Sacred Heart University, Fairfield, CT, (3)Physical Therapy, Texas State University, San Marcos, TX, (4)Physical Education, State University of New York at Cortland, Cortland, NY
- 2:00 **75 128.075** Correlates of Repetitive Movements In Autism Spectrum Disorders. N. Sidhu<sup>1</sup>, D. L. Coury<sup>2</sup>, G. Barnes<sup>3</sup>, A. Loh<sup>4</sup> and T. Clemons<sup>5</sup>, (1)Columbia University Medical Center, New York, NY, (2)Nationwide Children's Hospital, Columbus, OH, (3)Vanderbilt, Nashville, (4)Surrey Place, Toronto, ON, Canada, (5)EMMES Corp, Rockville, MD
- 3:00 **76 128.076** Assessing Gesture In Young Children with Autism Spectrum Disorders. A. Bean<sup>1</sup> and S. Ellis Weismer, University of Wisconsin-Madison, Madison, WI
- 1:00 **77 128.077** Factors That Assist Parents to Obtain Diagnoses of ASD for Their Children by 30 Months of Age. D. D. Barrie<sup>1</sup>, M. N. Gragg<sup>2</sup>, S. Ehsan<sup>1</sup> and M. Shamon<sup>1</sup>, (1)University of Windsor, Windsor, ON, Canada, (2)University of Windsor, Windsor, ON, Canada

- 2:00 **78 128.078** Stability and Change In Resolution of the Diagnosis Among Parents of Children with Autism Spectrum Disorder. N. Yirmiya<sup>1</sup>, I. Seidman<sup>2</sup>, S. Milshtein<sup>2</sup>, D. Oppenheim<sup>3</sup>, N. Koren-Karie<sup>4</sup>, S. Dolev<sup>4</sup> and S. Levi<sup>2</sup>, (1)Hebrew University Jerusalem, Jerusalem, Israel, (2)The Hebrew University, Jerusalem, Israel, (3)Haifa University, Haifa, Israel, (4)Haifa University, Haifa, Israel
- 3:00 **79 128.079** Peer Victimization of Adolescents with An Autism Spectrum Disorder. P. Kloosterman<sup>1</sup>, E. A. Kelley<sup>2</sup>, J. Parker<sup>3</sup>, W. Craig<sup>1</sup> and C. Javier<sup>4</sup>, (1)Queen's University, Kingston, ON, Canada, (2)62 Arch St., Queen's University, Kingston, ON, Canada, (3)Psychology, Trent University, Peterborough, ON, Canada, (4)Laurier University, Waterloo, ON, Canada
- 1:00 **80 128.080** Predictors of Adaptive Functioning in Verbal and Nonverbal Individuals with ASD. A. J. Gerber<sup>1</sup>, S. M. Kanne<sup>2</sup> and C. A. Saulnier<sup>3</sup>, (1)Columbia University / New York State Psychiatric Institute, New York, NY, United States, (2)Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO, United States, (3)Yale Child Study Center, New Haven, CT

**Poster Sessions**

**128 - Core Deficits and Symptoms**

1:00 PM - 5:30 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 1:00 **81 128.081** Evaluation of Active Engagement In Toddlers with Autism Spectrum Disorder. N. J. Sparapani<sup>1</sup>, L. Morgan, V. P. Reinhardt, J. L. Bartley and A. M. Wetherby, Florida State University Autism Institute, Tallahassee, FL
- 2:00 **82 128.082** Measurement of Restricted, Repetitive Patterns of Behavior and Interests Using the CSBS In Children with ASD In the Second Year of Life. S. T. Stronach<sup>1</sup>, L. Morgan, D. McCoy and A. M. Wetherby, Florida State University Autism Institute, Tallahassee, FL
- 3:00 **83 128.083** The Adapted ADOS - Preliminary Findings Using a Modified Version of the ADOS for Adults Who Are Nonverbal or Have Limited Language. V. Hus<sup>1,2</sup>, M. Maye<sup>3</sup>, L. Jackson<sup>4</sup>, W. Guthrie<sup>5</sup>, J. Liang<sup>4</sup> and C. Lord<sup>6</sup>, (1)University of Michigan, Ann Arbor, MI, (2)University of Michigan Autism and Communication Disorders Center, Ann Arbor, MI, (3)Psychology, University of Massachusetts - Boston, Boston, MA, (4)Clinical Psychology, University of Michigan Autism and Communication Disorders Center, Ann Arbor, MI, (5)Florida State University, Tallahassee, FL, (6)University of Michigan, Ann Arbor, MI
- 1:00 **84 128.084** Automated Analysis of Natural Language Samples: Comparison of Children with Autism Spectrum Disorders, Developmental Language Disorders, and Typical Development. R. W. Sproat<sup>1</sup>, L. M. Black, E. T. Prud'hommeaux, J. van Santen and B. Roark, Center for Spoken Language Understanding, Oregon Health & Science University, Beaverton, OR
- 2:00 **85 128.085** Screening for Autism In Toddlers: A Follow-up Study of the EACH CHILD Cohort. J. Miller<sup>1</sup>, M. E. Villalobos<sup>2</sup> and T. Gabrielsen<sup>3</sup>, (1)Philadelphia, PA, (2)Yale Child Study Center, New Haven, CT, (3)University of Utah, Salt Lake City, UT

- 3:00 **86 128.086** Comparison of Children with Autism Spectrum Disorders and Developmental Language Disorders on Measures of Language Impairment. L. M. Black<sup>1</sup>, J. van Santen, B. Langhorst, R. Sanger-Hahn and M. K. August, Center for Spoken Language Understanding, Oregon Health & Science University, Beaverton, OR
- 1:00 **87 128.087** Autism Risk Moderates Developmental Pathways Between Infant Referential Requesting and Toddler-Mother Interaction. J. K. Baker<sup>1</sup>, C. J. Grantz<sup>2</sup>, D. S. Messinger<sup>2</sup> and N. V. Ekas<sup>3</sup>, (1)Waisman Center, University of Wisconsin, Madison, WI, (2)University of Miami, Coral Gables, FL, United States, (3)PO Box 248185, University of Miami, Coral Gables, FL
- 2:00 **88 128.088** Residual Social and Communication Deficits In Optimal Outcome Children and Adolescents with a History of Autism Spectrum Disorders. A. Orinstein<sup>1</sup>, K. E. Tyson<sup>1</sup>, E. Troyb<sup>1</sup>, M. Helt<sup>1</sup>, M. A. Rosenthal<sup>1</sup>, J. Suh<sup>1</sup>, M. Barton<sup>1</sup>, L. Naigles<sup>1</sup>, E. A. Kelley<sup>2</sup>, M. C. Stevens<sup>3</sup>, R. T. Schultz<sup>4</sup> and D. A. Fein<sup>1</sup>, (1)University of Connecticut, Storrs, CT, (2)62 Arch St., Queen's University, Kingston, ON, Canada, (3)Institute of Living, Hartford Hospital / Yale University, Hartford, CT, (4)Center for Autism Research, Children's Hospital of Philadelphia, PA
- 3:00 **89 128.089** Social Cognitive Differences Among Children on the Autism Spectrum. E. Scollin<sup>1</sup>, S. E. Thompson<sup>2</sup>, R. A. Libove<sup>3</sup>, J. M. Phillips<sup>4</sup>, K. J. Parker<sup>3</sup> and A. Y. Hardan<sup>3</sup>, (1)PGSP-Stanford PsyD Consortium, San Francisco, CA, (2)PGSP-Stanford PsyD Consortium, Palo Alto, CA, (3)Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, CA, (4)Stanford University School of Medicine/Lucile Packard Children's Hospital, Stanford, CA
- 1:00 **90 128.090** Use of the Pervasive Developmental Problems Subscale on the Child Behavior Checklist 1.5 to 5 to Screen for Autism Spectrum Disorders. B. Gorka<sup>\*</sup>, A. Veenstra, C. Wolfe Christensen, B. Patel, C. Mader and M. E. Behen, Autism Center, Children's Hospital of Michigan, Detroit, MI
- 2:00 **91 128.091** A Study on Audio Patterns of Natural Environment for Children with Autism. D. Xu<sup>1</sup>, J. Gilkerson<sup>2</sup> and J. A. Richards<sup>3</sup>, (1)LENA Foundation, Boulder, CO, (2)LENA Foundation, Boulder, (3)Research, LENA Foundation, Boulder, CO
- 3:00 **92 128.092** The Association Between the Social Responsiveness Scale (SRS) with Measures of Global Intelligence and Adaptive Functioning In the Assessment of Children with ASDs. N. Gjolaj<sup>1</sup>, C. Wolfe-Christensen, M. Palance, B. Gorka, A. Veenstra and M. E. Behen, Autism Center, Children's Hospital of Michigan, Detroit, MI
- 1:00 **93 128.093** \*Types of Perseveration In Adults with Autism Spectrum Disorder. T. Arora<sup>1</sup>, Advanced Studies in Education & Counseling, California State University, Long Beach, Long Beach, CA
- 2:00 **94 128.094** Quality Matters: Differences Between Expressive and Receptive Non-Verbal Communication Skills In Children with Autism. R. B. Grossman<sup>1,2</sup> and H. Tager-Flusberg<sup>3</sup>, (1)Emerson College, Boston, MA, United States, (2)Psychiatry, University of Massachusetts Medical School Shriver Center, Waltham, MA, (3)Department of Psychology, Boston University, Boston, MA
- 3:00 **95 128.095** Assessment of Play In Toddlers with Autism: An Integrated Perspective and Implications for Intervention. K. Goods<sup>1,2</sup>, A. Gulsrud<sup>3</sup> and C. Kasari<sup>4</sup>, (1)Center for Autism Research & Treatment, University of California, Los Angeles, CA, (2)Division of Psychological Studies in Education, University of California, Los Angeles, CA, (3)UCLA, Los Angeles, CA, (4)University of California, Los Angeles, CA
- 1:00 **96 128.096** The Acquisition of Brown's 14 Grammatical Morphemes In Children with Autism: A New Look. L. Mesite<sup>1</sup>, S. Tek<sup>2</sup>, D. A. Fein<sup>3</sup> and L. Naigles<sup>3</sup>, (1)Cognitive Science, University of Connecticut, Storrs, CT, (2)University of Connecticut, Storrs, CT, (3)University of Connecticut, Storrs, CT
- 2:00 **97 128.097** Differences Between Receptive and Expressive Language Abilities In Low Functioning Children with ASD. J. P. W. Maljaars<sup>1</sup>, I. L. J. Noens<sup>2,3,4</sup>, E. M. Scholte<sup>1</sup> and I. A. van Berckelaer-Onnes<sup>1</sup>, (1)Clinical Child and Adolescent Studies, Leiden University, Leiden, Netherlands, (2)Leuven Autism Research, K.U.Leuven, Leuven, Belgium, (3)Parenting and Special Education Research Group, K.U.Leuven, Leuven, Belgium, (4)Psychiatric and Neurodevelopmental Genetics Unit, Massachusetts General Hospital, Boston, MA
- 3:00 **98 128.098** Understanding the Relationship Between Emotion Regulation and Social Skills In Adolescence. L. Berkovits<sup>1</sup>, L. A. Tipton<sup>2</sup>, E. A. Laugeson<sup>3</sup> and J. Blacher<sup>2</sup>, (1)Psychology, University of California, Los Angeles, Los Angeles, CA, (2)Graduate School of Education, University of California, Riverside, Riverside, CA, (3)Psychiatry, UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA
- 1:00 **99 128.099** When Peers Matter Most: Adolescent Social Skills Across ASD, ADHD, and ID Symptom Groups. R. Ellingsen<sup>1</sup>, E. A. Laugeson<sup>2</sup> and J. Blacher<sup>3</sup>, (1)Clinical Psychology, University of California, Los Angeles, Los Angeles, CA, (2)UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA, (3)Graduate School of Education, University of California, Riverside, Riverside, CA
- 2:00 **100 128.100** Aides' and Teachers' Perceptions of Social Skills In Relation to Perceived Relationships In Elementary-Aged Children with Autism Spectrum Disorder. J. J. Locke<sup>1</sup> and C. Kasari<sup>2</sup>, (1)Center for Mental Health Policy and Services Research, University of Pennsylvania, Philadelphia, PA, (2)University of California, Los Angeles, CA
- 3:00 **101 128.101** Early Identification of Autistic Spectrum Disorders: A Retrospective Analysis of Early Social-Emotional and Communicative Indicators. L. Bayrami<sup>1</sup>, The Milton and Ethel Harris Research Initiative at York University, Toronto, ON, Canada

- 1:00 **102 128.102** Investigating the Validity of the Social Responsiveness Scale In a Clinical Sample of Preschool Children with Autism Spectrum Disorder. E. Duku<sup>1</sup>, T. Vaillancourt<sup>2</sup>, P. Szatmari<sup>1</sup>, S. Georgiades<sup>1</sup>, L. Zwaigenbaum<sup>3</sup>, I. M. Smith<sup>4</sup>, S. E. Bryson<sup>4</sup>, E. Fombonne<sup>5</sup>, P. Mirenda<sup>6</sup>, J. Volden<sup>7</sup>, C. Waddell<sup>8</sup>, W. Roberts<sup>9</sup> and A. Thompson<sup>1</sup>, (1)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (2)University of Ottawa, Ottawa, ON, Canada, (3)Pediatrics, University of Alberta, Edmonton, AB, Canada, (4)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (5)Montreal Children's Hospital, Montreal, QC, Canada, (6)University of British Columbia, Vancouver, BC, Canada, (7)University of Alberta, Edmonton, AB, Canada, (8)Simon Fraser University, (9)University of Toronto, Toronto, ON, Canada
- 2:00 **103 128.103** Do Children and Adolescents with ASDs Who Have Achieved An Optimal Outcome Continue to Exhibit Pragmatic Language Deficits?. K. A. De Yoe<sup>1</sup>, I. M. Eigsti<sup>2</sup>, E. Troyb<sup>3</sup>, K. E. Tyson<sup>3</sup>, A. Orinstein<sup>3</sup>, M. Barton<sup>3</sup> and D. A. Fein<sup>3</sup>, (1)Milford, CT, (2)University of Connecticut, Storrs, CT, (3)University of Connecticut, Storrs, CT
- 3:00 **104 128.104** Sensory Processing and Motor Deficits In Children with ASD. T. Todd<sup>1</sup> and R. Lytle<sup>2</sup>, (1)California State University, Chico, CA, (2)California State University, Chico, Chico, CA
- 1:00 **105 128.105** The Impact of Symptom Severity on Parent-Child Interaction and Relationships Among Children with Autism. N. M. Beurkens<sup>1</sup>, Horizons Developmental Remediation Center, Caledonia, MI; Walden University, Minneapolis, MN
- 2:00 **106 128.106** The Developmental Sequence of Social-Communicative Skills In Young Children with Autism: A Longitudinal Study. C. C. Wu<sup>1</sup> and C. H. Chiang<sup>2</sup>, (1)Department of Psychology, Kaohsiung Medical University, Kaohsiung, 80708, Taiwan, (2)National Chengchi University, Taipei, Taiwan
- 3:00 **107 128.107** Autism's Pervasive Effect on Early Parent-Child Communication. L. B. Adamson<sup>1</sup>, R. Bakeman<sup>1</sup>, P. B. Nelson<sup>1</sup>, D. F. Deckner<sup>2</sup> and A. M. Grossniklaus<sup>1</sup>, (1)Psychology, Georgia State University, Atlanta, GA, (2)Psychology, Clayton State University, Morrow, GA
- 1:00 **108 128.108** Relationships Among Lexical Processing Speed, Autistic Symptomology, and Linguistic Competence. E. Abrigo<sup>1</sup> and F. Hurewitz, Department of Psychology, Drexel University, Philadelphia, PA
- 2:00 **109 128.109** Adolescent Social Competence: No Differences Between Mother and Father Ratings on the Social Responsiveness Scale. L. A. Smith<sup>1</sup>, M. Murray and A. Pearl, Department of Psychiatry, Penn State Hershey, Hershey, PA
- 3:00 **110 128.110** Neuropsychological Profiles In Italian Children with Autism: a Descriptive Study Through NEPSY-II. A. Narzisi<sup>1</sup>, C. Urgesi<sup>2</sup>, S. Calderoni<sup>3</sup>, R. Tancredi<sup>4</sup> and F. Muratori<sup>5</sup>, (1)Division of Child Neurology and Psychiatry, University of Pisa - Stella Maris Scientific Institute, Pisa, Italy, (2)Faculty of Educational Sciences, University of Udine, Udine, Italy, (3)Magnetic Resonance Laboratory, Division of Child Neurology and Psychiatry University of Pisa; Stella Maris Scientific Institute, Pisa, Italy, (4)University of Pisa - Stella Maris Scientific Institute, Pisa, (5)Division of Child Neurology and Psychiatry, University of Pisa - Stella Maris Scientific Institute, Calambrone (Pisa), Italy
- 1:00 **111 128.111** Profiles of Receptive and Expressive Vocabulary Growth In Toddlers at High Risk for Autism Spectrum Disorders. K. Hudry<sup>1,2</sup>, R. Bedford<sup>2</sup>, S. Chandler<sup>2</sup>, G. Pasco<sup>2</sup>, T. Gliga<sup>3</sup>, M. Elsabbagh<sup>3</sup>, C. de Klerk<sup>3</sup>, M. H. Johnson<sup>4</sup>, T. Charman<sup>2</sup> and .. The BASIS Team<sup>5</sup>, (1)Olga Tennison Autism Research Centre, La Trobe University, Bundoora, Australia, (2)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (3)Centre for Brain and Cognitive Development, Birkbeck, London, United Kingdom, (4)Centre for Brain and Cognitive Development, Birkbeck, University of London, London, United Kingdom, (5)BASIS, London, United Kingdom
- 2:00 **112 128.112** Perceptions of Popularity and Social Skills Among Adolescents with ASD: Comparing Adolescent, Parent, and Teacher Reports. A. R. Dillon<sup>1</sup>, E. A. Laugeson<sup>2</sup>, A. Gantman<sup>3</sup> and F. Frankel<sup>2</sup>, (1)Pacific Graduate School of Psychology, Palo Alto, CA, (2)UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA, (3)UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA
- 3:00 **113 128.113** Exploring the Nature of Joint Attention Difficulties In Young Children with Autism Spectrum Disorder and In Siblings. H. Roeyers<sup>1</sup>, I. Schietecatte<sup>2</sup> and P. Warreyn<sup>2</sup>, (1)Department of Experimental Clinical and Health Psychology, Ghent University, Ghent, Belgium, (2)Department of Experimental - Clinical and Health Psychology, Ghent University, Ghent, Belgium
- 1:00 **114 128.114** Symptoms Severity and Visual Attention to the Eyes in Children with Autism: A Correlational Study. L. Ferretti<sup>1</sup>, G. S. Doneddu<sup>1</sup>, G. Saba<sup>1</sup>, S. Marras<sup>1</sup> and R. Fadda<sup>2</sup>, (1)Center for Pervasive Developmental Disorders, AOB, Cagliari, Italy, (2)Department of Psychology, University of Cagliari, Cagliari, Italy
- 2:00 **115 128.115** How Attention to Gaze-Direction Is Captured by Static Pictures In Very Young Children with ASDs: a Time-Course Analysis. R. Fadda<sup>1</sup>, G. S. Doneddu<sup>2</sup>, T. Striano<sup>3</sup>, S. Congiu<sup>2</sup>, G. Frigo<sup>2</sup> and A. Salvago<sup>2</sup>, (1)Department of Psychology, University of Cagliari, Cagliari, Italy, (2)Center for Pervasive and Developmental Disorders, AOB, Cagliari, Italy, (3)Department of Psychology, Hunter College, New York, NY
- 3:00 **116 128.116** Early and Persistent Motor Delay In the Broader Autism Phenotype: Evidence From a Prospective Study. E. L. Hill<sup>1</sup> and H. C. Leonard<sup>2</sup>, (1)Psychology, Goldsmiths, University of London, London, United Kingdom, (2)32 Torrington Square, London, United Kingdom
- 1:00 **117 128.117** Can Autism and Asperger Syndrome Be Distinguished According to Motor Abilities and Perceptual Processing Speed?. E. B. Barbeau<sup>1</sup>, I. Soulières<sup>2</sup>, A. A. Meilleur<sup>1</sup> and L. Mottron<sup>1</sup>, (1)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada, (2)Neural Systems Group, Massachusetts General Hospital, Charlestown, MA
- 2:00 **118 128.118** Parental Help-Seeking Behaviors In Children with High Functioning Autism: The Role of Parental Confidence and Children's Symptomatology. T. A. Hassenfeldt<sup>1</sup>, N. M. Reyes and A. Scarpa, Virginia Polytechnic Institute & State University, Blacksburg, VA

- 3:00 **119 128.119** Narrative Abilities In Boys with Autism and Fragile X Syndrome. A. H. Brown<sup>1</sup>, D. Mueffelmann<sup>2,3</sup>, G. Martin<sup>4</sup> and M. Losh<sup>1</sup>, (1)The Roxelyn and Richard Pepper Department of Communication Sciences and Disorders, Northwestern University, Evanston, IL, (2)Division of Speech and Hearing Sciences, University of North Carolina, Chapel Hill, NC, (3)FPG Child Development Institute, University of North Carolina, Chapel Hill, NC, (4)FPG Child Development Institute, UNC Chapel Hill, Chapel Hill, NC
- 1:00 **120 128.120** Strengths and Difficulties of Children with Asperger Syndrome: Parents' Views and Implications for Intervention. S. E. Carr<sup>1</sup>, R. P. Goin-Kochel<sup>2</sup> and B. J. Myers<sup>1</sup>, (1)Psychology, Virginia Commonwealth University, Richmond, VA, (2)Department of Molecular & Human Genetics, Baylor College of Medicine, Houston, TX
- 2:00 **121 128.121** Social Cognition In Williams Syndrome: Relations Between the Social Attribution Task and Parent-Reported Socio-Communicative Functioning. F. van der Fluit<sup>1,2</sup>, E. K. Erdmann<sup>3</sup>, E. C. Bennaton<sup>2</sup>, S. L. Schram<sup>2</sup>, M. Gaffrey<sup>4</sup> and B. P. Klein-Tasman<sup>2</sup>, (1)University of Wisconsin, Milwaukee, Milwaukee, WI, (2)Psychology, University of Wisconsin, Milwaukee, Milwaukee, WI, (3)Milwaukee, WI, (4)Psychiatry, University of Washington in St. Louis, St. Louis, MO
- 3:00 **122 128.122** Validity of M-CHAT In a Large ASD Mexican Sample. L. Albores-Gallo<sup>1</sup>, O. Roldan Ceballos<sup>2</sup>, L. Hernandez-Guzman<sup>3</sup>, G. Villarreal-Valdes<sup>1</sup>, C. Santos<sup>1</sup> and X. Betanzos-Cruz<sup>4</sup>, (1)Research Division, Hospital Psiquiatrico Infantil, Mexico D.F., Mexico, (2)Research Division, Asociacion Mexicana de Ninos con TDA y trastornos asociados A.C., Mexico D.F., Mexico, (3)UNAM, Mexico D.F., Mexico, (4)Psychology, Hospital Psiquiatrico Infantil, Mexico D.F., Mexico
- 1:00 **123 128.123** Social Perception Deficits In Children with ASD : An Eye-Tracking Study Using Social Video Clips. A. Saitovitch<sup>1</sup>, A. Bargiacchi<sup>2</sup>, N. Chabane<sup>3</sup> and M. Zilbovicius<sup>2</sup>, (1)Research Unit 1000 "Neuroimaging and Psychiatry", CEA - INSERM, Paris, France, (2)Research Unit 1000 "Neuroimaging and Psychiatry", CEA - INSERM, Paris, France, (3)Robert Debre Hospital, Paris, France
- 2:00 **124 128.124** The Importance of Including Measures of Joint Attention Abilities In the Clinical Assessment of Very Young Children with ASDs. M. Foscoliano<sup>1</sup>, R. Fadda<sup>2</sup>, G. S. Doneddu<sup>1</sup>, G. Frigo<sup>1</sup> and M. Piu<sup>1</sup>, (1)Center for Pervasive and Developmental Disorders, AOB, Cagliari, Italy, (2)Department of Psychology, University of Cagliari, Cagliari, Italy
- 3:00 **125 128.125** The Contribution of Reciprocal Social Interaction to the Acquisition of Verbs and Spatial Terms In 2-Year-Olds with ASD and Siblings-at-Risk. K. Carter<sup>1</sup>, J. Parish-Morris<sup>2</sup>, S. Paterson<sup>1</sup> and I. B. I. S. Network<sup>3</sup>, (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)Temple University, Ambler, PA, (3)Department of Psychiatry, Neurodevelopmental Disorders Research Ctr, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 1:00 **126 128.126** Spontaneous Syntactic Complexity In Preschool Children with ASD. J. Mayo<sup>1</sup>, I. M. Eigsti<sup>2</sup>, Y. Fuerst<sup>3</sup>, H. Prentice<sup>4</sup> and R. Paul<sup>5</sup>, (1)University of Connecticut, Storrs, CT, (2)University of Connecticut, Storrs, CT, (3)Southern Connecticut State University, New Haven, CT, (4)Midstate Medical Center, Meriden, CT, (5)Yale Child Study Center, New Haven, CT
- 2:00 **127 128.127** Using Eye Tracking to Examine Factors Affecting Comprehension In Children with Autism. C. E. Venker<sup>1</sup>, E. R. Eernisse<sup>2</sup>, A. Bean<sup>1</sup>, J. R. Saffran<sup>1</sup> and S. Ellis Weismer<sup>1</sup>, (1)University of Wisconsin-Madison, Madison, WI, (2)University of Illinois, Urbana-Champaign, Champaign, IL
- 3:00 **128 128.128** Towards Collaborative Pretence and Collective Intentionality: Metacommunication In the Pretend Play of Children with Autism. L. Stirling<sup>1</sup> and S. Douglas, School of Languages & Linguistics, University of Melbourne, Melbourne, Australia
- 1:00 **129 128.129** Does the Presence of Symbolic Play Matter In Toddlers with ASD?. N. Tarshis<sup>1</sup>, D. Meringolo<sup>2</sup>, L. H. Shulman<sup>2</sup> and K. Hottinger<sup>2</sup>, (1)2nd Floor, Albert Einstein College of Medicine, Bronx, (2)CERC, Albert Einstein College of Medicine, Bronx, NY
- 2:00 **130 128.130** Comparing the Accuracy of Coding Methods for A Low-Incidence Behavior. A. M. Sam<sup>1</sup>, S. S. Reszka<sup>2</sup> and S. Odom<sup>3</sup>, (1)Frank Porter Graham Child Development Institute, University of North Carolina, Chapel Hill, Carrboro, NC, (2)Frank Porter Graham Child Development Institute, University of North Carolina, Carrboro, NC, (3)University of North Carolina, Chapel Hill, NC
- 3:00 **131 128.131** There Is Something About ASD: Cognitive, Symptomatic, and Adaptive-Skills In Four Toddlers Who Failed the MCHAT. N. M. Reyes<sup>1</sup> and A. Scarpa<sup>2</sup>, (1)Virginia Polytechnic Institute & State University, Blacksburg, (2)Virginia Polytechnic Institute & State University, Blacksburg, VA
- 1:00 **132 128.132** The Effects of Sleep Problems on Communication Skills In Autism Spectrum Disorders. S. M. Munger<sup>1</sup>, C. B. Nilsen<sup>1</sup>, M. W. Gower<sup>1</sup>, M. K. McCalla<sup>1</sup>, T. A. Perez<sup>1</sup>, K. C. Guest<sup>2</sup> and S. E. O'Kelley<sup>3</sup>, (1)University of Alabama at Birmingham, Birmingham, AL, (2)Psychology, University of Alabama at Birmingham, Birmingham, AL, (3)UAB Civitan-Sparks Clinics, Birmingham, AL
- 2:00 **133 128.133** Cues to Pronominal Reference Resolution In Children with and without Autism Spectrum Disorders. L. R. Edelson<sup>1</sup>, A. T. Meyer and H. Tager-Flusberg, Department of Psychology, Boston University, Boston, MA
- 3:00 **134 128.134** Social Communication Skills, Cognitive Ability, and Language Development of Young Children at Risk for Autism. L. Huynh<sup>1,2</sup> and A. Fuller<sup>1</sup>, (1)UCLA, Los Angeles, CA, (2)UCLA, Los Angeles, CA
- 1:00 **135 128.135** Gesture Production Across Multiple Input Modalities In ASD. H. Stieglitz Ham<sup>1,2</sup>, A. Bartolo<sup>3</sup>, M. Corley<sup>4</sup>, G. Rajendran<sup>5</sup> and S. Swanson<sup>6</sup>, (1)University of Edinburgh, Edinburgh, United Kingdom, (2)School of Health and Rehabilitation Sciences, University of Queensland, St. Lucia, Australia, (3)Universite' de Lille Nord de France, Lille, (4)University of Edinburgh, Edinburgh, (5)40 George Street, University of Strathclyde, Glasgow, (6)Medical College of Wisconsin, Milwaukee, WY
- 2:00 **136 128.136** Profiles of Language and Reading Impairment In a Family Study of Autism Spectrum Disorders and Specific Language Impairment. A. Hare<sup>1</sup>, J. Flax<sup>1</sup>, Z. Fermano<sup>1</sup>, S. Buyske<sup>2</sup>, L. Hou<sup>3</sup>, C. Bartlett<sup>3</sup> and L. Brzustowicz<sup>2</sup>, (1)Department of Genetics, Rutgers University, Piscataway, NJ, (2)Department of Statistics, Rutgers University, Piscataway, NJ, (3)The Research Institute at Nationwide Children's Hospital & The Ohio State University, Columbus, OH

- 3:00 **137 128.137** Repetitive Behaviors In Young Children with Autism: Specificity and Stability. L. Joseph<sup>1</sup>, S. Shumway<sup>2</sup> and A. Thurm<sup>2</sup>, (1)Pediatric and Developmental Neuroscience, National Institute of Mental Health, Bethesda, MD, (2)National Institutes of Health - National Institute of Mental Health, Bethesda, MD
- 1:00 **138 128.138** Differences In Items and Summary Scales of the Autism Diagnostic Interview-Revised Between Latino and Non-Latino White Adolescents and Adults with ASD. S. Magana<sup>1</sup> and L. E. Smith<sup>2</sup>, (1)University of Wisconsin-Madison, Madison, WI, (2)Waisman Center, University of Wisconsin, Madison, WI
- 2:00 **139 128.139** Understanding Intentions Predicts Relational Vocabulary In Preschoolers with ASD. J. Parish-Morris<sup>1</sup>, K. Hirsh-Pasek<sup>2</sup>, R. Pulverman<sup>3</sup>, R. T. Schultz<sup>4</sup> and S. Paterson<sup>5</sup>, (1)Temple University, Ambler, PA, (2)Temple University, Ambler, PA, United States, (3)Delaware State University, Dover, DE, (4)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (5)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA
- 3:00 **140 128.140** Maternal Input Predicts Wh-Question Production In Young Children with Autism. A. Goodwin<sup>1</sup> and L. Naigles, University of Connecticut, Storrs, CT
- 1:00 **141 128.141** Differences In the Activity Experiences of Children with Intellectual Disability with or without Autism Spectrum Disorders. M. A. Viecili<sup>1</sup>, S. M. Brown<sup>1</sup>, J. A. Weiss<sup>1</sup>, A. Perry<sup>1</sup>, J. M. Bebko<sup>1</sup> and P. Minnes<sup>2</sup>, (1)Department of Psychology, York University, Toronto, ON, Canada, (2)Department of Psychology, Queen's University, Kingston, ON, Canada
- 2:00 **142 128.142** Characteristics of Joint Attention Episodes In Autism: Initiation, Duration and Termination. H. M. Marwick<sup>1</sup> and M. E. Dimopoulou, University of Strathclyde, Glasgow, United Kingdom
- 3:00 **143 128.143** Endorsement of Social Items on the M-CHAT Does Not Predict the Presence of Parental Concern about Toddler's Social Functioning. M. G. Arroyo<sup>1</sup>, D. L. Robins<sup>1</sup> and D. A. Fein<sup>2</sup>, (1)Georgia State University, Atlanta, GA, (2)University of Connecticut, Storrs, CT
- 1:00 **144 128.144** Standardized Severity Scores for the Autism Diagnostic Observation Schedule-Toddler Module. A. N. Esler<sup>1</sup>, V. Hus<sup>2</sup>, S. Ellis Weismer<sup>3</sup> and C. Lord<sup>4</sup>, (1)420 Delaware Street SE, MMC 486, University of Minnesota, Minneapolis, MN, (2)University of Michigan Autism and Communication Disorders Center, Ann Arbor, MI, (3)University of Wisconsin-Madison, Madison, WI, (4)University of Michigan, Ann Arbor, MI
- 2:00 **145 128.145** Regression and Autism: The Answer Depends on the Question. J. Foley<sup>1</sup>, A. Diehl<sup>1</sup>, T. Smith<sup>2</sup>, S. L. Hyman<sup>3</sup> and T. Musa<sup>1</sup>, (1)Pediatrics, University of Rochester, Rochester, NY, (2)University of Rochester, Rochester, NY, United States, (3)University of Rochester School of Medicine, Rochester, NY
- 3:00 **146 128.146** Language, Communication, and Self-Awareness Among Individuals with Autism. D. M. Williams<sup>1</sup>, D. M. Bowler<sup>2</sup> and A. Whitehouse<sup>3</sup>, (1)Department of Psychology, Durham University, Durham, United Kingdom, (2)Autism Research Group, City University London, London, United Kingdom, (3)University of Western Australia, Perth, Australia
- 1:00 **147 128.147** Joint Engagement and Joint Attention Skills During Mother-Child and Preschool Teacher-Child Play. A. Kaale<sup>1,2</sup>, L. Smith<sup>3</sup>, E. Sponheim<sup>1</sup> and A. J. Nordahl Hansen<sup>4</sup>, (1)Oslo University Hospital, Oslo, Norway, (2)Centre for child and adolescent mental health, Oslo, Pakistan, (3)Centre for Child and Adolescent Mental Health, Oslo, (4)University of Oslo, Oslo, Norway
- 2:00 **148 128.148** Dimensions of Autism Based on the CARS In Different Age and Ability Groups. F. Budhani<sup>1,2</sup>, A. Perry<sup>1,2</sup>, K. Wells<sup>1,2</sup>, N. L. Freeman<sup>3</sup>, J. D. Geier<sup>4</sup> and A. Levy<sup>2</sup>, (1)TRE-ADD (Treatment, Research, and Education for Autism and Developmental Disorders), Thistleton Regional Center, Toronto, ON, Canada, (2)Department of Psychology, York University, Toronto, ON, Canada, (3)Surrey Place Centre, Toronto Partnership for Autism Services, Toronto, ON, Canada, (4)Eastern Ontario Preschool Autism Program, Children's Hospital of Eastern Ontario, Ottawa, ON, Canada
- 3:00 **149 128.149** Sibling Relationship Quality and the Social Skills of Children with Autism. B. B. Thomas<sup>1</sup>, R. Stoddart<sup>1</sup>, A. K. Nuttall<sup>2</sup> and J. J. Diehl<sup>3,4</sup>, (1)Saint Mary's College, Notre Dame, IN, (2)University of Notre Dame, Notre Dame, IN, (3)Center for Children and Families, University of Notre Dame, Notre Dame, IN, (4)University of Notre Dame, University of Notre Dame, Notre Dame, IN
- 1:00 **150 128.150** Look at This, Mommy! Profiles of Spontaneous Social Communication In Toddlers with ASD, DD, and TD During Solitary Object Exploration. M. Meltvedt<sup>1</sup>, S. Macari<sup>1</sup>, F. Shic<sup>1</sup>, M. Coffman<sup>1</sup> and K. Chawarska<sup>3</sup>, (1)Yale University School of Medicine, New Haven, CT, (2)Yale University School of Medicine, New Haven, CT, (3)Child Study Center, Yale University School of Medicine, New Haven, CT
- 2:00 **151 128.151** Lévy Flights Search Patterns In Children with ASDs Exploring Social Stimuli. A. Liberati<sup>1</sup>, M. Javarone<sup>2</sup>, G. Frigo<sup>3</sup>, A. Salvago<sup>3</sup>, G. S. Doneddu<sup>3</sup>, R. Fadda<sup>4</sup>, T. Striano<sup>5</sup> and A. Chessa<sup>1</sup>, (1)Department of Physics, University of Cagliari, Cagliari, Italy, (2)Linkalab, Cagliari, Italy, (3)Center for Pervasive and Developmental Disorders, AOB, Cagliari, Italy, (4)Department of Psychology, University of Cagliari, Cagliari, Italy, (5)Department of Psychology, Hunter College, New York, NY
- 3:00 **152 128.152** Eye Tracking as a Measure of Responsiveness to Joint Attention In Infants at Risk for Autism. A. Navab<sup>1</sup>, K. Gillespie<sup>1</sup>, G. Park<sup>1</sup>, M. Sigman<sup>1</sup>, S. P. Johnson<sup>1</sup> and T. Hutman<sup>2</sup>, (1)University of California, Los Angeles, Los Angeles, CA, (2)Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA
- 1:00 **153 128.153** A New Joint Attention Eye Tracking Measure for Children with Autism: a Pilot Study with Neurotypical Adults. M. R. Swanson<sup>1</sup>, V. Erstenyuk<sup>2</sup>, G. Serlin<sup>1</sup> and M. J. Siller<sup>3,4,5</sup>, (1)Behavioral Neuroscience and Biopsychology, Graduate Center at the City University of New York, New York, NY, (2)Psychology, Hunter College, City University of New York, New York, NY, (3)Hunter College of the City University of New York, New York, NY, (4)Psychology, Hunter College of the City University of New York, New York, NY, (5)Biopsychology and Behavioral Neuroscience, Graduate Center at the City University of New York, New York, NY

- 2:00 **154 128.154** The Interrelationship Between Adaptive Receptive Language and Behavior In Children with ASD: Exploration for Inform Pivotal Interventions. K. Lierheimer<sup>1</sup>, N. A. Gage<sup>2</sup> and S. M. Kanne<sup>3</sup>, (1)University of Missouri, Columbia, MO, (2)Department of Special Education, University of Missouri, Columbia, MO, United States, (3)Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO
- 3:00 **155 128.155** Emotion Recognition Through Nonverbal Channels In Children with Autism Spectrum Disorder. J. Emmons-Garzarek<sup>1</sup>, M. R. Klinger<sup>2</sup>, T. N. Holtzclaw<sup>2</sup>, N. Broka<sup>2</sup> and L. G. Klinger<sup>2</sup>, (1)Yale University School of Medicine, New Haven, CT, (2)University of Alabama, Tuscaloosa, AL
- 1:00 **156 128.156** ASD-Sibs Show Differences In Initiating Behavioral Requests at 12 Months. C. J. Grantz<sup>1</sup>, L. V. Ibanez<sup>2</sup>, W. L. Stone<sup>3</sup> and D. S. Messinger<sup>4</sup>, (1)University of Miami, Coral Gables, FL, (2)CHDD, University of Washington Autism Center, Seattle, WA, (3)University of Washington, Seattle, WA, (4)University of Miami, Coral Gables, FL
- 2:00 **157 128.157** How Narrative Difficulties Build Peer Rejection: The Case Study of A Girl with Asperger's Syndrome and Her Female Peers. G. F. Adams<sup>1</sup>, M. C. Dean<sup>2</sup> and C. Kasari<sup>3</sup>, (1)Applied Linguistics, UCLA, Los Angeles, CA, (2)Education, University of California, Los Angeles, Los Angeles, CA, (3)University of California, Los Angeles, Los Angeles, CA
- 3:00 **158 128.158** Semantic and Syntactic Language Skills In Individuals with Optimal Outcomes. K. E. Tyson<sup>1</sup>, E. Troyb<sup>1</sup>, A. Orinstein<sup>1</sup>, M. Helt<sup>1</sup>, I. M. Eigsti<sup>2</sup>, M. Barton<sup>1</sup>, L. Naigles<sup>1</sup>, E. A. Kelley<sup>3</sup>, M. A. Rosenthal<sup>1</sup>, M. C. Stevens<sup>4</sup>, R. T. Schultz<sup>5</sup> and D. A. Fein<sup>1</sup>, (1)University of Connecticut, Storrs, CT, (2)University of Connecticut, Storrs, CT, (3)62 Arch St., Queen's University, Kingston, ON, Canada, (4)Institute of Living, Hartford Hospital / Yale University, Hartford, CT, (5)Center for Autism Research, Children's Hospital of Philadelphia, PA
- 1:00 **159 128.159** Symbolic Play Skills and Parental Object Labelling During Free Play: Preliminary Findings with Preschoolers with ASD and Typical Development. J. Burns<sup>1</sup> and A. Nadig<sup>2</sup>, (1)School of Communication Sciences and Disorders, McGill University, Montreal, QC, Canada, (2)School of Communication Sciences & Disorders, McGill University, Montreal, QC, Canada
- 2:00 **160 128.160** The Effects of Motor Abilities on Language Acquisition and Use In Autism. A. N. Harris<sup>1</sup>, M. W. Gower<sup>2</sup>, S. E. O'Kelley<sup>3</sup> and K. C. Guest<sup>4</sup>, (1)Developmental Psychology, The University of Alabama at Birmingham, Birmingham, AL, (2)University of Alabama at Birmingham, Birmingham, AL, (3)UAB Civitan-Sparks Clinics, Birmingham, AL, United States, (4)Psychology, University of Alabama at Birmingham, Birmingham, AL
- 3:00 **161 128.161** A Preliminary Analysis of In Home Parent-Child Communication Interaction In Families with Toddlers with Autism and the Influence of a Parent Training Program. S. Patterson<sup>1</sup>, V. Smith<sup>2</sup> and E. Sliwkanich<sup>3</sup>, (1)University of Alberta, Edmonton, AB, Canada, (2)Educational Psychology, University of Alberta, Edmonton, AB, Canada, (3)Sherwood Park, AB, Canada

- 1:00 **162 128.162** Operationalizing the Construct of Social Communication In Children with Autism Spectrum Disorder: A Scoping Review. B. M. Di Rezze<sup>1</sup>, A. Curtis<sup>2</sup>, B. Reed<sup>2</sup>, M. J. Cooley Hidecker<sup>2</sup>, B. Ross<sup>2</sup>, L. Zwaigenbaum<sup>3</sup> and P. Rosenbaum<sup>1</sup>, (1)McMaster University, Hamilton, ON, Canada, (2)University of Central Arkansas, Conway, AR, (3)Pediatrics, University of Alberta, Edmonton, AB, Canada
- 2:00 **163 128.163** Stability of Early Diagnoses and Symptom Presentation In Toddlers Referred for Autism Evaluation. W. Guthrie<sup>1</sup>, L. B. Swineford, C. E. Nottke and A. M. Wetherby, Florida State University Autism Institute, Tallahassee, FL

Poster Sessions

**128 - Medical Comorbidities**

1:00 PM - 5:30 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 1:00 **164 128.164** Sensory Sensitivity and Oral Care in the Dental Office in Children with Autism Spectrum Disorders. S. A. Cermak<sup>1</sup> and L. Stein<sup>2</sup>, (1)University of Southern California, Los Angeles, CA, United States, (2)Occupational Science and Occupational Therapy, University of Southern California, Los Angeles, CA
- 2:00 **165 128.165** Streptococcal Antibodies In Autism Spectrum Disorders with Catatonia. S. Kile<sup>1</sup>, M. Chez<sup>2</sup>, C. Parise<sup>3</sup>, A. Hankins<sup>4</sup>, T. Donnel<sup>3</sup>, R. Low<sup>3</sup>, S. Caffery<sup>6</sup> and C. Lepage<sup>6</sup>, (1)Sacramento, CA, (2)Sutter Neuroscience Institute, Sacramento; UC Davis Medical Center, Sacramento, CA, (3)Sacramento, CA, United States, (4)Sutter Institute for Medical Research, Sacramento, CA, (5)Sutter Neuroscience Medical Group, Sacramento, CA, United States, (6)Sutter Neuroscience Medical Group, Sacramento, CA
- 3:00 **166 128.166** Autoantibodies to Cerebellum IN Children with Autism Associate with Behavior. P. E. Goines<sup>1</sup>, L. Haapanen<sup>1</sup>, R. Boyce<sup>1</sup>, P. Duncanson<sup>1</sup>, D. Braunschweig<sup>1</sup>, L. Delwiche<sup>1</sup>, R. L. Hansen<sup>2</sup>, I. Hertz-Picciotto<sup>3</sup>, P. Ashwood<sup>2</sup> and J. Van de Water<sup>1</sup>, (1)University of California, Davis, Davis, CA, (2)University of California, Davis, MIND Institute, Sacramento, CA, (3)Department of Public Health Sciences, University of California Davis, Davis, CA
- 1:00 **167 128.167** Biochemical Screening for Mitochondrial Dysfunction In Children with Autism Spectrum Disorders. D. U. Menon<sup>1</sup>, R. Kelley<sup>2</sup> and R. Kern<sup>3</sup>, (1)Neurology & Developmental Medicine, Kennedy Krieger Institute-Center for Autism & Related Disorders., Baltimore, MD, (2)Genetics & Metabolic Diseases, Kennedy Krieger Institute, Baltimore, MD, (3)Kennedy Krieger Institute, Baltimore, MD
- 2:00 **168 128.168** Nutritional and Metabolic Status of Children with Autism. J. Adams<sup>1</sup>
- 3:00 **169 128.169** Hypocholesterolemia In Children and Adolescents with Autism: A Clinical Sample From Turkey. A. Herguner<sup>1</sup> and S. Herguner, Department of Child and Adolescent Psychiatry, Meram Faculty of Medicine, Konya, Turkey
- 1:00 **170 128.170** Lead Poisoning In Children with Autism Spectrum Disorders. J. Roesser<sup>1</sup>, University of Rochester Medical Center, Rochester, NY

- 2:00 **171 128.171** Expressive Language Profiles of Children with Idiopathic Autism and Fragile X. J. Klusek<sup>1</sup>, M. Losh<sup>2</sup> and G. Martin<sup>3</sup>, (1)FPG Child Development Institute, Chapel Hill, NC, (2)The Roxelyn and Richard Pepper Department of Communication Sciences and Disorders, Northwestern University, Evanston, IL, (3)FPG Child Development Institute, UNC Chapel Hill, Chapel Hill, NC
- 3:00 **172 128.172** Autism Spectrum Disorders In Children with Duschen Muscular Dystrophy. S. Herguner<sup>1</sup> and A. Herguner, Department of Child and Adolescent Psychiatry, Meram Faculty of Medicine, Konya, Turkey
- 1:00 **173 128.173** Prosopagnosia In Children with High Functioning Autism: An Exploratory Study. X. Qian<sup>1</sup>, S. L. Corrow and A. Yonas, University of Minnesota, Minneapolis, MN
- 2:00 **174 128.174** Relations Between Caregiver Perceptions of Problematic Mealtime Behaviors and Caregiver Feeding Practices. S. L. Johnson<sup>1</sup>, H. Austin<sup>2</sup>, N. A. Withrow<sup>3</sup>, E. Hsueh<sup>4</sup>, A. Waggoner<sup>4</sup> and A. M. Reynolds<sup>2</sup>, (1)Pediatrics/Nutrition, UC Denver, Aurora, CO, (2)University of Colorado Denver, Aurora, CO, (3)Pediatrics, UC Denver, Aurora, CO, (4)UC Denver, Aurora, CO
- 3:00 **175 128.175** Food and Other Allergies In Autism Spectrum Disorders. T. A. Perez<sup>1</sup>, M. W. Gower<sup>2</sup>, K. C. Guest<sup>1</sup> and S. E. O'Kelley<sup>3</sup>, (1)Psychology, University of Alabama at Birmingham, Birmingham, AL, (2)University of Alabama at Birmingham, Birmingham, AL, (3)UAB Civitan-Sparks Clinics, Birmingham, AL
- 1:00 **176 128.176** Childhood Vaccinations and ASD: No Relationship Between Number or Schedule of Vaccinations and Diagnostic Outcome or Severity. A. Margolis<sup>1</sup>, J. D. Jones<sup>2</sup>, A. Trubanova<sup>2</sup>, W. Jones<sup>2</sup>, K. Chawarska<sup>3</sup> and A. Klin<sup>2</sup>, (1)Yale Child Study Center, Yale University School of Medicine, New Haven, CT, (2)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA, (3)Child Study Center, Yale University School of Medicine, New Haven, CT
- 2:00 **177 128.177** Examining the Relationship Between Otitis Media Occurrence and Autism Severity Among School Aged Children with Autism Spectrum Disorders Between the Ages of 7-9. B. Reilly<sup>1</sup>, M. Clow<sup>1</sup>, A. D. Stevens<sup>1</sup>, J. R. Wenegrat<sup>1</sup> and R. A. Bernier<sup>2</sup>, (1)University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA
- 3:00 **178 128.178** Frequencies of Myringotomy Procedures Among ASD Populations Compared to National Samples and the Role of Developmental Morphology (Low Set Ears). M. K. Clow<sup>1</sup>, B. Reilly<sup>2</sup> and R. A. Bernier<sup>3</sup>, (1)Seattle, WA, (2)University of Washington, Seattle, WA, (3)University of Washington, Seattle, WA
- 1:00 **179 128.179** The Relationship of Abnormal Sensory Responses to Self-Regulatory Deficits In 265 Children with and without Autism. L. M. Silva<sup>1</sup> and M. Schalock<sup>2</sup>, (1)Teaching Research Institute, Western Oregon University, Monmouth, (2)Teaching Research Institute, Western Oregon University, Monmouth, OR
- 2:00 **180 128.180** Preliminary Data Validating a Qualitative Assessment of Core and Comorbid Autism Symptoms: The Sense and Self-Regulation Checklist. L. M. Silva<sup>1</sup>, Monmouth, OR, United States; Teaching Research Institute, Western Oregon University, Monmouth, OR
- 3:00 **181 128.181** Health Symptoms of Mothers of Adolescents and Adults with ASD. L. E. Smith<sup>1</sup>, M. M. Seltzer<sup>2</sup> and J. S. Greenberg<sup>1</sup>, (1)Waisman Center, University of Wisconsin, Madison, WI, (2)Waisman Center, University of Wisconsin-Madison, Madison, WI
- 1:00 **182 128.182** Medical Conditions and Neurogenetic Syndromes IN Venezuelan Children with ASD. C. Montiel-Nava<sup>1</sup>, J. Pena<sup>2</sup> and J. A. Chacin<sup>3</sup>, (1)La Universidad del Zulia, Maracaibo, Venezuela, (2)Pediatrics, La Universidad del Zulia, Maracaibo, Venezuela, (3)Genetics, La Universidad del Zulia, Maracaibo, Venezuela
- 2:00 **183 128.183** Health Status and Medical Comorbidities of Non-Verbal/Low-Verbal Children with ASD: Data From the Autism Treatment Network. N. Jones<sup>1</sup>, T. Katz<sup>2</sup> and T. Clemons<sup>3</sup>, (1)Autism Speaks, Los Angeles, CA, (2)University of Colorado, Aurora, CO, United States, (3)EMMES Corp, Rockville, MD
- 3:00 **184 128.184** Identification of Subclinical Seizures In Children with Autism and Their Association with the Vineland Adaptive Behavioral Scales. S. J. Asghar<sup>1</sup>, M. L. Griebel<sup>2</sup>, S. J. Blossom<sup>3</sup>, R. Williamson<sup>2</sup>, S. A. Maham<sup>4</sup>, H. Gomez-Acevedo<sup>5</sup> and S. J. James<sup>6</sup>, (1)Pediatrics, Section of Neurology, UAMS, Arkansas Childrens Hospital, Little Rock, AL, (2)Pediatrics, Section of Neurology, UAMS, Arkansas Childrens Hospital, Little Rock, AR, (3)Pediatrics, Arkansas Children Hospital Research Institute, Little Rock, AR, (4)Pediatrics, UAMS, Arkansas Childrens Hospital, Little Rock, AR, (5)Pediatrics,, UAMS, Arkansas Childrens Hospital, Little Rock, AR, (6)University of Arkansas for Medical Sciences, Little Rock, AR
- 1:00 **185 128.185** The Social and Behavioral Phenotype of Children with Autism Spectrum Disorders and Comorbid Gastrointestinal Dysfunction. P. Gorrindo<sup>1</sup>, E. B. Lee<sup>1</sup>, K. C. Williams<sup>1</sup>, L. Tilson<sup>1</sup>, S. G. McGrew<sup>1</sup> and P. Levitt<sup>2</sup>, (1)Vanderbilt University, Nashville, TN, (2)Zilkha Neurogenetic Institute, Keck School of Medicine, University of Southern California, Los Angeles, CA
- 2:00 **186 128.186** Gene Expression Analysis to Evaluate Gastrointestinal Tissue In Symptomatic Autism Spectrum Disorder Children: A Pilot Study. S. J. Walker<sup>1</sup>, J. Fortunato<sup>2</sup>, L. Hewitson<sup>3</sup> and A. Krigsman<sup>4</sup>, (1)Wake Forest Institute for Regenerative Medicine, Winston-Salem, NC, (2)Wake Forest University Health Sciences, Winston Salem, NC, (3)Thoughtful House Center for Children, Austin, TX, (4)Pediatric Gastroenterology Resources of New York, Far Rockaway, NY
- 3:00 **187 128.187** Relationship Between Gastrointestinal Disorder and GSR Indicators of Stress In Autism Spectrum Disorders. B. J. Ferguson<sup>1</sup>, J. R. Day<sup>2</sup>, B. R. Wexler<sup>2</sup>, J. M. Constance<sup>3</sup>, P. S. Foster<sup>4</sup> and D. O. Beversdorf<sup>5</sup>, (1)Radiology, University of Missouri, Columbia, MO, (2)University of Missouri, Columbia, MO, (3)Truman State University, Kirksville, MO, (4)Middle Tennessee State University, Murfreesboro, TN, (5)Radiology, Neurology, Psychology, and Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO



- 1:00 **188 128.188** Association Between Gastrointestinal Disorder and Cardiovascular Responses to Stress In Autism Spectrum Disorders. P. M. Hecht<sup>1</sup>, B. J. Ferguson<sup>2</sup>, J. R. Day<sup>1</sup>, B. R. Wexler<sup>1</sup>, J. M. Constance<sup>3</sup>, P. S. Foster<sup>4</sup> and D. Q. Beversdorf<sup>5</sup>, (1)University of Missouri, Columbia, MO, (2)Radiology, University of Missouri, Columbia, MO, (3)Truman State University, Kirksville, MO, (4)Middle Tennessee State University, Murfreesboro, TN, (5)Radiology, Neurology, Psychology, and Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO
- 2:00 **189 128.189** The Relationship Between Sensory Processing, Physiological Stress, and Sleep Quality In Children with Autism Spectrum Disorder. S. E. Reynolds<sup>1</sup> and S. J. Lane, Occupational Therapy, Virginia Commonwealth University, Richmond, VA
- 3:00 **190 128.190** Psychological Correlates of Sleep Problems In Children with High-Functioning Autism Spectrum Disorder and Typically Developing Children. A. L. Richdale<sup>1</sup> and C. L. Michaels<sup>2</sup>, (1)Olga Tennison Research Centre, La Trobe University, Bundoora, Australia, (2)Health Sciences, RMIT University, Bundoora, Australia
- 1:00 **191 128.191** How Often Do Physicians at a Multidisciplinary Autism Center Address Sleep Problems In Children with Autism Spectrum Disorders?. J. A. Accardo<sup>1</sup>, B. H. Freedman<sup>1</sup>, L. Kalb<sup>1</sup>, R. G. Vaurio<sup>1</sup>, S. E. Goldman<sup>2</sup> and B. A. Malow<sup>2</sup>, (1)Kennedy Krieger Institute, Baltimore, MD, (2)Neurology/Sleep, Vanderbilt Medical Center, Nashville, TN
- 2:00 **192 128.192** Sleep Patterns In Adolescents with High-Functioning Autism Spectrum Disorder and Typically Developing Adolescents. E. Baker<sup>1</sup>, A. L. Richdale<sup>2</sup>, M. Short<sup>3</sup> and M. Gradisar<sup>3</sup>, (1)Psychology, La Trobe University, Bundoora, Australia, (2)Olga Tennison Autism Research Centre, La Trobe University, Bundoora, Australia, (3)Psychology, Flinders University, Adelaide, Australia
- 3:00 **193 128.193** A Good Night Sleep: An Examination of the Relationship Between Sleep and Neuropsychological Profiles In School-Aged Children with Autism Spectrum Disorders. J. L. Sokoloff<sup>1</sup>, L. Kenworthy<sup>1</sup>, G. L. Wallace<sup>2</sup>, C. Caldwell<sup>3</sup>, J. F. Strang<sup>1</sup> and B. Yerys<sup>1</sup>, (1)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (2)NIMH, Bethesda, MD, (3)WRAMC Department of Psychiatry, Walter Reed, Aberdeen Proving Ground, MD
- 1:00 **194 128.194** Comparison of Caregiver Perception of Sleep Behaviors of Infants at High and Low Risk for Autism Spectrum Disorders. M. C. Souders<sup>1</sup>, N. M. Kurtz<sup>2</sup>, S. Paterson<sup>3</sup> and I. B. I. S. Network<sup>4</sup>, (1)University of Pennsylvania/The Children's Hospital of Philadelphia, Swarthmore, PA, (2)Philadelphia, PA, (3)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (4)Department of Psychiatry, Neurodevelopmental Disorders Research Ctr, University of North Carolina at Chapel Hill, NC
- 2:00 **195 128.195** Sleep Architecture and Phenotype In Children with Autism. A. Lambert<sup>1,2,3</sup>, S. Tessier<sup>2,3,4</sup>, A. C. Rochette<sup>2,4</sup>, E. Chevrier<sup>1</sup>, P. B. Scherzer<sup>2</sup>, L. Mottron<sup>5,6</sup> and R. Godbout<sup>1,7</sup>, (1)Sleep Laboratory & Clinic, Hôpital Rivière-des-Prairies, Montreal, QC, Canada, (2)Psychology, Université du Québec à Montréal, Montréal, QC, Canada, (3)Centre de recherche Fernand-Seguin, Hôpital Rivière-des-Prairies, Montréal, QC, Canada, (4)Sleep Laboratory & Clinic, Hôpital Rivière-des-Prairies, Montréal, QC, Canada, (5)Autism Excellence Center, Hôpital Rivière-des-Prairies, Montréal, QC, Canada, (6)Psychiatry, Université de Montréal, Montréal, QC, Canada, (7)Psychiatry, Université de Montreal, Montreal, QC, Canada
- 3:00 **196 128.196** EEG Markers of Altered Sleep In Adults with Autism: Stage 2 K-Complexes. S. M. Duplan<sup>1</sup>, J. Dufresne Bastien<sup>1</sup>, E. Chevrier<sup>2</sup>, L. Mottron<sup>3</sup> and R. Godbout<sup>2,4,5</sup>, (1)Sleep Laboratory and Clinic, Hôpital Rivière-des-Prairies, Montréal, QC, Canada, (2)Sleep Laboratory & Clinic, Hôpital Rivière-des-Prairies, Montréal, QC, Canada, (3)Autism Excellence Center, Hôpital Rivière-des-Prairies, Montréal, QC, Canada, (4)Psychiatry, Université de Montreal, Montreal, QC, Canada, (5)7070 Boul. Perras, Sleep Laboratory & Clinic, Montreal, QC, Canada
- 1:00 **197 128.197** Cardiac Activity Before and After Nocturnal Sleep In Adults with Autism. M. Pelletier<sup>1,2</sup>, B. D'Antono<sup>3</sup>, T. Chevrette<sup>2,4</sup>, L. Mottron<sup>5,6,7</sup> and R. Godbout<sup>8,9</sup>, (1)Neurodevelopmental program, Hospital Riviere-des-Prairies, Montreal, QC, Canada, (2)Fernand-Seguin Research Center, Montreal, QC, Canada, (3)Research Center, Montreal Health Institute, Montreal, QC, Canada, (4)Pedopsychiatric, Hospital Riviere-des-Prairies, Montreal, QC, Canada, (5)Autism Excellence Center, Hôpital Rivière-des-Prairies, Montréal, QC, Canada, (6)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada, (7)Psychiatry, University of Montreal, Montréal, QC, Canada, (8)Psychiatry, Université de Montreal, Montreal, QC, Canada, (9)Sleep Laboratory & Clinic, Hôpital Rivière-des-Prairies, Montréal, QC, Canada

## Special Interest Groups (SIGs)

6:00 PM - 7:30 PM

Location listed under each session

IMFAR 2011 attendees are welcome to join an IMFAR Special Interest Group (SIG). There will be six SIG meetings at IMFAR 2011. The meetings will take place at the end of the day on Friday, May 13 at 6:00 PM - 7:30 PM. This year, all 6 SIGs will be on the same day and at the same time, but without any other competition from other presentations or IMFAR events. The six SIGs are: Motor Action Development, Sensory Features, Postmortem Brain Tissue Research, EEG/MEG, Sleep, and Interventions. See below for summaries of each SIG's plan for the meeting. Preregistration or invitations are not required; all are welcome.

### Motor Action Development (MAD)

*Organizer:* Justin Williams, MD, Royal Aberdeen Children's Hospital, University of Aberdeen (justin.williams@abdn.ac.uk)

Elizabeth Ballroom G-H Lvl 2

The Motor Action Development group will meet again at the 2011 conference. The objective of this meeting will be to bring basic and clinical scientists together to generate ideas. The meeting will therefore set itself the goal of developing some sensible topics for grant proposals by the end of the meeting and will be broken up into 3 stages — scene setting talks, breakout discussion groups, joint discussion and summary. The talks will be very brief (5 minutes each) by representatives of basic and clinical sciences e.g. a psychophysicist and a neuroimaging scientist, a clinical psychologist and occupational therapist (total 20 minutes). The basic scientists will talk about what they have to offer the field, whilst the therapists will talk about the problems that they face and the questions that they want answering. The discussion groups will continue this dialogue and will be similarly be constituted of a balance of disciplines to promote round-table discussions about the clinical and therapeutic problems that clinicians face, and the technologies and approaches that basic scientists can bring. Discussion groups will be given four titles to consider for developing grant proposals. These will be: Assessment, Treatment, Understanding and Training. The latter title is to consider the potential value of cross-disciplinary training. After the discussion groups (40 minutes), ideas will be fed back to the Chair and the group will aim to identify 3 potential topics around which grant proposals can be developed and 1 that a group member is prepared to champion (30 minutes).

### Sensory Features in Autism

*Moderators:* Alison Lane PhD, OTR/L – The Ohio State University (alison.lane@osumc.edu), Roseann Schaaf PhD, OTR/L, FAOTA – Thomas Jefferson University, Grace Baranek PhD, OTR/L, FAOTA – University of North Carolina at Chapel Hill, Carissa Cascio, PhD - Vanderbilt University

Elizabeth Ballroom D Lvl 2

At IMFAR 2010, 60 researchers and students attended and participated in the SIG session dedicated to Sensory Features in Autism. Attendees discussed issues in three key areas: characterization of sensory features and association with ASD symptoms, interventions for sensory processing problems, and the pathogenesis of sensory features in autism. The forum provided an opportunity for many researchers in this area to meet for the first time, share current ideas and consider collaborations. Following the

session, the group indicated interest in maintaining connections with each other and continuing discussions. A website, Sensory Dysfunction in Autism (<https://sites.google.com/site/sensorydysfunctionautism/>), is currently under construction that will provide a home for this group of researchers to share project ideas, discuss research findings and find collaborators.

The Sensory Features SIG will meet again at IMFAR 2011 to further develop the interdisciplinary connections made and to consolidate the current work being done in the area of sensory differences in ASD. Specifically, the 2011 session will be more focused and devoted to building a research roadmap that builds on current sensory research in the following priority areas:

- measurement of sensory features and identification of sensory phenotypes and endophenotypes
- neurophysiological and neurobiological mechanisms underlying sensory features
- efficacy of behavioral, psychopharmacological, educational, and other therapeutic interventions for individuals with ASD who have sensory differences that impact their ability to function optimally.

In the session, attendees will describe their own projects related to each priority area, outline what has been achieved to date and identify ongoing gaps in our knowledge of sensory dysfunction in ASD. Research road maps will be posted to the Sensory Dysfunction in Autism website and plans made for collaborations to address research needs. The group will work towards developing a strategic plan for interdisciplinary research in sensory features in ASD.

### Postmortem Brain Tissue Research in Autism

*Organizers:* Cynthia Schumann, Ph.D., UC Davis M.I.N.D. Institute (cdmschumann@gmail.com) and Daniel Lightfoot, Ph.D., Autism Tissue Program

Elizabeth Ballroom A-C Lvl 2

Investigators who do research utilizing postmortem human brain tissue face a unique challenge. They come from varying scientific disciplines, ranging from genetics to neuroanatomy, and are brought together by the necessity to share a common but rare resource. The goal of our SIG is to bring together these diverse interests of ASD research in order promote the cross-disciplinary collaborations and organization necessary for this field of research to succeed.

Last year in the first half hour we had three speakers give an overview of the state of brain tissue collection and distribution. This update was then followed by a "slide slam" where investigators had one minute and one slide to introduce themselves and their research. Our primary goal again this year is to promote collaborations and ideas among scientists in strategically sharing this exceptional resource. We will begin by providing an update on the efforts of NIH, Autism Speaks, Simons, MIND Institute, and others to form a nationally coordinated network of brain tissue collection, processing, and distribution. We will then break into small group discussions to allow our attendees to interact in a way that advances consensus about the best strategies to move the field forward. From our survey, we have narrowed discuss topics to tissue sharing, tissue quality and best methods to quantify, tissue processing standards and discussions on relevant donor clinical information across ASD and related neurological disorders. Each group will have a section leader who is responsible for providing an overview of the topic, leading an interactive discussion, and providing a summary to the whole group

at the end. We would also like to leave time at the end for our participants to interact socially and network in order to foster collaborations.

Following the SIG, members will be sent a summary of the update and small group discussions.

Proposed Schedule:

6:00 PM - 6:30 PM Welcome/Updates on the formation of a nationally coordinated tissue banking effort  
6:30 PM - 7:10 PM Interactive small group discussion and Summary  
7:10 PM - 7:30 PM Concluding remarks and large group discussion/social

## EEG/MEG

*Organizers:* Sara Jane Webb, PhD, University of Washington (sjwebb@u.washington.edu) and James McPartland, PhD, Yale Child Study Center

Douglas Pavillion A Lvl 1

Electroencephalography (EEG) is the measurement of electrical activity produced by the brain; magnetoencephalography is the measurement of its resultant magnetic fields. EEG and MEG allow the evaluation of hypotheses about the timing of brain functioning, alteration in resting and active brain states, and potential under- and over-connectivity of the brain in autism. Further, benefits derive from the ability to disentangle sensory processing from higher order cognitive abilities, a differentiation that may be important in understanding heterogeneity in autism. Methodological advantages are significant for this clinical population. EEG and MEG paradigms can be designed to minimize demand for behavioral compliance or responses, are applicable across wide age and functional ranges, and allow the study of pre-symptomatic individuals, individuals with ASD, and unaffected family members.

Our current understanding of autism has benefited greatly from the integration of information across multiple levels of analysis, redefining our understanding of the processes that contribute to autistic behaviors. The preservation of a special interest group on EEG/MEG will allow more investigators to engage in successful research and will allow for faster progression toward meeting the NIH Interagency Strategic Plan for autism. This 2011 special interest group will have three components: (1) Methodological discussion of successful strategies for collection and analysis of EEG/MEG data in individuals with autism; (2) Mentor panel of postdoctoral fellows, research scientists, and junior/senior faculty to discuss the intersection of EEG/MEG research and career development; (3) Networking discussion addressing strategies to expand training opportunities and to build collaborative infrastructure.

## Sleep

*Organizers:* Beth Malow, MD, MS, Vanderbilt University, Nashville TN (beth.malow@vanderbilt.edu) and Amanda Richdale, PhD, LaTrobe University, Victoria, Australia

Betsy Room Lvl 2

This year, to promote interactions and professional networking, we will have a similar format to our 2009 SIG, in which we divided into several topic groups. This will allow our attendees to interact in a way that advances consensus about the best strategies to move the field forward. For 2011 we will have three broad topic groups: etiology and characteristics of sleep disorders in autism, treatment of sleep

disturbance, and impact on daytime functioning of the child and family.

Each topic group will have section leaders who will share the responsibilities for: (a) providing a 5 minute overview of their area to all attending the SIG at the beginning of the SIG, (b) leading an interactive discussion during the breakout group, and (c) summarizing their discussion at the end of the SIG. In preparation for the SIG, we are asking the SIG membership to provide (a) relevant journal articles, which will be summarized in the overview by the SIG topic group section leader and (b) questions for the subgroup interactive discussions. This preparatory work will foster interactions among our group in the months leading up to the SIG, and also provide an opportunity for SIG members who are unable to attend IMFAR 2011 to participate.

Following the SIG members will be sent a summary of the SIGs discussions activities in each of the three topic groups.

Timetable for the SIG:

6:00 PM - 6:20 PM Welcome/Overviews  
6:20 PM - 7:10 PM Interactive discussion  
7:10 PM - 7:30 PM Summary/Concluding remarks

## Contextually-Valid Interventions for School-Aged Children

*Organizers:* Laura Anthony, PhD (lanthony@cnmc.org) and Lauren Kenworthy, PhD, Children's National Medical Center, The George Washington University

Madeleine A-D Lvl 3

Though there is a preponderance of evidence behind early intervention and intensive behavioral approaches in treatment for ASD, there are few empirically-supported treatments (EST) designed to serve school-aged children with ASD with the cognitive and verbal skills to benefit from higher-order cognitive and social interventions. The 2010 IACC Strategic Plan includes a focus on "Interventions that improve functioning and quality of life for people with ASD across the lifespan, including older children, adolescents, and adults with ASD." Children with ASD with intact language and cognitive skills are a uniquely under-served group in the treatment research literature, yet recent prevalence reports suggest that this is the fastest growing group of individuals being newly diagnosed. This Special Interest Group will focus on developing and/or adapting new methodologies to increase the availability of EST for ASD. In particular, given the difficulties in generalization that are inherent in ASD, we will focus the discussion on how we can develop ESTs that are also contextually-based and ecologically-valid. We aim to guide discussion around using a participatory research model to develop new intervention techniques that target specific areas of difficulty that prevent individuals on the autism spectrum from meeting their long-term educational, social and/or career goals. Possible areas of common interest in this multi-disciplinary SIG may be: training of mainstream peers to foster inclusion; anxiety reduction; interpersonal and emotional skills training; active individualized social coaching; training in cognitive skills such as prioritizing, planning, flexibility and problem-solving; and innovative educational and technological supports. This year, our SIG will be presenting a "data blitz," with multiple projects presenting 1-2 slides on their study, particularly focusing on the most important or controversial finding, or biggest challenge. Following the SIG, members will be sent copies of the data blitz, which will include contact information. SIG members will also continue to have contact through the SIG listserv, and hopefully through the new INSAR website.

# SATURDAY May 14, 2011 – AM

www.autism-insar.org

6:30-1:30P	Registration (Litrenta Foyer Lvl 2)			
7:00A-8:00A	Coffee & Pastries (Elizabeth Ballroom Foyer Lvl 2)			
8:00-1:00P	Exhibits (Elizabeth Foyer Lvl 2)			
8:00-8:15A	Simons Foundation (Elizabeth Ballroom A-D Lvl 2)			
8:15-9:15A	Keynote Address: Ricardo Dolmetsch – Using Induced Pluripotent Stem Cells to Study Autism (Elizabeth Ballroom A-D Lvl 2)			8:00-1:00P Poster Sessions (Elizabeth E-F and Litrenta Foyer Lvl 2)
9:15-9:45A	Break (Elizabeth Ballroom Foyer Lvl 2)			Adults with Autism, Girls with Autism, Developmental Psychopathology, Methodological Issues; Higher Cognition; Language, Emotion, and Face Processing; Perceptual and Motor Processing
9:45-11:45A	IES: Bridging the Gaps In Knowledge of Social Interventions for HFASD: Where We Are Now and Where We Need to Go (Grand Ballroom A-C Lvl 2)			
9:45-11:45A	Oral Sessions: Epidemiology, Biological Risk Factors (Elizabeth Ballroom D Lvl 2)	Oral Sessions: Restricted and Repetitive Behaviors and Sensory Issues (Elizabeth Ballroom G-H Lvl 5)	Oral Sessions: Structural and Functional Brain Imaging in Older Children, Adolescents and Adults with ASD Session #2 (Douglas Pavilion A Lvl 1)	
11:45-1:00P	Lunch Break	12:00P-1:00P Business Meeting (Elizabeth Ballroom A-C Lvl 2)		

## Keynote Address

### 129 - Using Induced Pluripotent Stem Cells to Study Autism

8:15 AM - 9:15 AM - Elizabeth Ballroom A-D

*Speaker:* R. E. Dolmetsch; *Stanford University*

Autism Spectrum Disorders (ASDs) are a complex group of neurodevelopmental diseases many of which have a genetic basis. While we are starting to identify some of the mutations that confer susceptibility to ASDs, we know little about how these mutations alter the development and function of the human brain. The ability to generate induced pluripotent stem (iPS) cells from the skin of patients with ASDs, combined with our ability for differentiation of these cells into cortical neurons, allows us to establish cellular models of ASDs in the lab. We have generated iPS cells from the skin of patients with syndromic forms of autism and have differentiated these cells into neurons. We have identified cellular phenotypes in neurons from some of these patients that provide novel insights into the underlying cellular basis of autism. I will describe our results and discuss some of the challenges of using iPS cells to study ASDs. This strategy is allowing us to study the development of patient-derived neurons for the first time and is helping us identify therapeutic targets for the development of new pharmaceuticals to treat ASDs and other neurodevelopmental disorders.

## Invited Educational Symposium

### 130 - Bridging the Gaps In Knowledge of Social Interventions for HFASD: Where We Are Now and Where We Need to Go

9:45 AM - 11:45 AM - Elizabeth Ballroom A-C

*Session Chair:* N. Bauminger; *Bar Ilan University*

Social impairment has been identified as the most enduring core deficit facing children with autism. Several have identified developing interventions to address this impairment as a very high priority. At issue is whether our current models are effective enough to give benefit to children in their natural environments of school and community. In this session, we highlight social interventions that address a number of pressing issues for children with ASD, including feeling connected to others at school, of developing friendships, and of reducing their social anxiety enough to engage with others. Models will be described that use different delivery models from parent to peer to therapist mediated, and from focused and targeted treatments to ecologically and multi pronged approaches. Individual differences are considered, including age and functioning. Finally we suggest ways forward in considering how to enhance treatment efficacy for affected individuals.

- 9:45 **130.001** Does Anxiety Reduction Through Treatment Lead to Better Social Functioning In Youth with. J. J. Wood, University of California, Los Angeles, CA
- 10:15 **130.002** Parent Mediated Approaches In Social Intervention for Adolescents and Young Adults with HFASD. E. A. Laugeson, Psychiatry, UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA
- 10:45 **130.003** Individual Differences In School Based CBT Approaches — Focus On Emotion Cognitions and Social Interaction: Study Synthesis and Future Directions. N. Bauminger, School of Education, Bar Ilan University, Ramat Gan, Israel
- 11:15 **130.004** Peer Mediated Approaches: Evidence and New Trends. C. Kasari, University of California, Los Angeles, CA

**Oral Sessions**

**131 - Epidemiology, Biological Risk Factors**

9:45 AM - 11:45 AM - Elizabeth Ballroom D

*Session Chair:* L. A. Croen; *Kaiser Permanente, Division of Research*

- 9:45 **131.001** Prenatal Influenza or Fever and Risk of Autism/Autism Spectrum Disorders. O. Zerbo<sup>1</sup>, I. Hertz-Picciotto<sup>2,3</sup>, A. M. Iosif<sup>4</sup>, R. L. Hansen<sup>5,6,7</sup> and C. K. Walker<sup>8</sup>, (1)Sacramento, CA, (2)University of California, Davis, Davis, CA, (3)Department of Public Health Sciences, University of California Davis, Davis, CA, (4)UC Davis, Davis, CA, (5)University of California, Davis, MIND Institute, Sacramento, CA, (6)MIND Institute, University of California at Davis, Sacramento, CA, (7)MIND Institute and Dept. of Pediatrics, University of California Davis, Davis, CA, (8)Department of Public Health Sciences, University of California at Davis, Davis, CA
- 10:00 **131.002** Autism Spectrum Disorders In Relation to Parental Occupational Exposures During Pregnancy. G. Windham<sup>1</sup>, J. K. Grether<sup>2</sup>, A. Sumner<sup>3</sup>, S. Li<sup>4</sup>, E. Katz<sup>5</sup> and L. A. Croen<sup>6</sup>, (1)California Department of Public Health, Richmond, CA, (2)California Department of Public Health, Richmond, CA, (3)Vermont Department of Health, Burlington, VT, (4)Kaiser Permanente Division of Research, Oakland, CA, (5)Occupational Health Branch, CA Department of Public Health, Richmond, CA, (6)Kaiser Permanente Division of Research, Oakland, CA
- 10:15 **131.003** Traffic Exposure From Freeways as a Risk Factor for Autism. H. E. Volk<sup>1</sup>, I. Hertz-Picciotto<sup>2,3</sup>, F. Lurmann<sup>4</sup> and R. McConnell<sup>5</sup>, (1)Preventive Medicine, Pediatrics, Zilkha Neurogenetic Institute, University of Southern California, Los Angeles, CA, (2)University of California, Davis, Davis, CA, (3)Department of Public Health Sciences, University of California Davis, Davis, CA, (4)Sonoma Technology, Inc., Petaluma, CA, (5)Preventive Medicine, University of Southern California, Los Angeles, CA
- 10:30 **131.004** Prenatal and Neonatal Peripheral Blood Mercury Levels and Autism Spectrum Disorders. L. A. Croen<sup>1</sup>, M. A. Lutsky<sup>1</sup>, C. Yoshida<sup>1</sup>, C. P. Alaimo<sup>2</sup>, M. Kharrazi<sup>3</sup>, J. K. Grether<sup>4</sup> and P. Green<sup>2</sup>, (1)Kaiser Permanente Division of Research, Oakland, CA, (2)Civil and Environmental Engineering, Univ. of California Davis, Davis, CA, (3)Genetic Disease Screening Program, California Department of Public Health, Richmond, CA, (4)California Department of Public Health, Richmond, CA
- 10:45 **131.005** Cytokine Levels In Amniotic Fluid: A Marker of Maternal Immune Activation In Autism?. M. W. Abdallah<sup>1</sup>, N. Larsen<sup>2</sup>, J. Grove<sup>3</sup>, B. Nørgaard-Pedersen<sup>2</sup>, E. L. Mortensen<sup>4</sup> and D. M. Hougaard<sup>2</sup>, (1)Department of Epidemiology, Institute of Public Health, Aarhus University, Aarhus, Denmark, (2)Section of Neonatal Screening and Hormones, Department of Clinical Biochemistry and Immunology, Statens Serum Institut, Copenhagen, Denmark, (3)Department of Human Genetics, Faculty of Health Sciences, Aarhus University, Aarhus, Denmark, (4)Institute of Public Health and Center for Healthy Aging, University of Copenhagen, Copenhagen, Denmark

- 11:00 **131.006** Prenatal and Neonatal Thyroid Stimulating Hormone Levels and Autism Spectrum Disorder. M. A. Lutsky<sup>1</sup>, C. Yoshida<sup>1</sup>, B. Lasley<sup>2</sup>, M. Kharrazi<sup>3</sup>, J. K. Grether<sup>4</sup>, G. Windham<sup>4</sup> and L. A. Croen<sup>1</sup>, (1)Kaiser Permanente Division of Research, Oakland, CA, (2)Department of Population Health and Reproduction, UC Davis, Davis, CA, (3)Genetic Disease Screening Program, California Department of Public Health, Richmond, CA, (4)California Department of Public Health, Richmond, CA
- 11:15 **131.007** The Role of Maternal Diabetes and Related Conditions In Autism and Other Developmental Delays. P. Krakowiak<sup>1,2</sup>, A. A. Bremer<sup>3</sup>, A. S. Baker<sup>1</sup>, C. K. Walker<sup>1,4</sup>, R. L. Hansen<sup>2,3</sup> and I. Hertz-Picciotto<sup>1,2</sup>, (1)Public Health Sciences, University of California, Davis, Davis, CA, (2)M.I.N.D. Institute, Sacramento, CA, (3)Pediatrics, University of California, Davis, Sacramento, CA, (4)Obstetrics & Gynecology, University of California, Davis, Sacramento, CA
- 11:30 **131.008** Common Analytic Pitfalls In Studies of Autism Risk Factors or Phenotypic Characteristics. I. Hertz-Picciotto<sup>1</sup>, University of California, Davis, Davis, CA; Public Health Sciences, M.I.N.D. Institute, UC Davis, Davis, CA

**Oral Sessions**

**132 - Restricted and Repetitive Behaviors and Sensory Issues**

9:45 AM - 11:45 AM - Elizabeth Ballroom G-H

*Session Chair:* L. Wing; *National Autistic Society*

- 9:45 **132.001** Exploring the Relationship Between Language and Repetitive Behavior in School Age Children with ASD. A. B. Barber<sup>1</sup>, L. G. Klinger<sup>2</sup>, S. E. O'Kelley<sup>3</sup>, T. N. Holtzclaw<sup>1</sup> and M. R. Klinger<sup>1</sup>, (1)University of Alabama, Tuscaloosa, AL, (2)University of Alabama, Tuscaloosa, AL, United States, (3)UAB Civitan-Sparks Clinics, Birmingham, AL
- 10:00 **132.002** What Role Do Sensory Processing Impairments Play In the Core Features of ASD?. R. G. Kent<sup>1</sup>, S. R. Leekam<sup>2</sup>, J. Gould<sup>3</sup>, A. Le Couteur<sup>4</sup> and L. Wing<sup>3</sup>, (1)Park Place, Cardiff University, Cardiff, United Kingdom, (2)Park Place, Cardiff University, Cardiff, Wales, (3)National Autistic Society, Kent, United Kingdom, (4)Queen Victoria Road, Newcastle upon Tyne, United Kingdom
- 10:15 **132.003** Sensory Features In Nonverbal Children with Autism. E. Gay<sup>1</sup>, K. K. Ausderau<sup>2</sup>, L. R. Watson<sup>1</sup> and G. T. Baranek<sup>1</sup>, (1)University of North Carolina at Chapel Hill, NC, (2)University of North Carolina, Carrboro, NC
- 10:30 **132.004** Visual and Auditory Sensitivity In Autism Spectrum Disorders. T. Holtzclaw<sup>1</sup>, L. G. Klinger<sup>2</sup>, M. R. Klinger<sup>1</sup>, J. Emmons-Garzarek<sup>3,4</sup> and N. Broka<sup>3</sup>, (1)University of Alabama, Tuscaloosa, AL, (2)University of Alabama, Tuscaloosa, AL, (3)Psychology, University of Alabama, Tuscaloosa, AL, (4)Yale University, New Haven, CT

- 10:45 **132.005** Visual Sensitivity In Adolescents with Autism Spectrum Disorders: Faces, Objects, and Contrast Sensitivity. P. M. Pallett<sup>1</sup>, S. J. Cohen<sup>2</sup> and K. R. Dobkins<sup>3</sup>, (1)Dartmouth College, Hanover, NH, (2)University of California, San Diego, La Jolla, CA, (3)University of California, San Diego, La Jolla, CA
- 11:00 **132.006** A Stimulating Play Situation (SPS) Designed to Trigger Restricted Interests and Repetitive Behaviors In Young Autistic Children. C. Jacques<sup>1</sup>, S. Mineau, S. Ferguson, D. Cousineau and L. Mottron, Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada
- 11:15 **132.007** The Relationship Between Sensory Abnormalities and Repetitive Behaviors In Children with Autism. K. L. Berquist<sup>1</sup>, G. Y. Lee<sup>2</sup>, K. J. Parker<sup>3</sup> and A. Y. Hardan<sup>1</sup>, (1)Stanford University School of Medicine/Lucile Packard Children's Hospital, Stanford, CA, (2)Department of Psychiatry and Behavioral Sciences, Stanford University, Stanford, CA, (3)Psychiatry and Behavioral Sciences, Stanford University, Stanford, CA
- 11:30 **132.008** Object-Selection Processes In Infant Siblings: Differences Between Typical and Atypical Development. K. Libertus<sup>1</sup> and R. J. Landa<sup>2</sup>, (1)Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD
- 10:15 **133.003** Social Perception Deficits In Children with ASD: Correlations with STS Anatomical Connectivity. A. Bargiacchi<sup>1</sup>, A. Saitovitch<sup>1</sup>, N. Boddart<sup>2</sup>, N. Chabane<sup>3</sup> and M. Zilbovicius<sup>1</sup>, (1)Research Unit 1000 "Neuroimaging and Psychiatry", CEA - INSERM, Paris, France, (2)Hospital Necker, Paris, (3)Robert Debre Hospital, Paris, France
- 10:30 **133.004** An fMRI Study of Cooperative and Competitive Play In Autism. B. A. Corbett<sup>1</sup>, C. Schupp<sup>2</sup>, N. Ryan<sup>2</sup> and C. S. Carter<sup>3</sup>, (1)Psychiatry, Vanderbilt University, Nashville, TN, (2)University of California, Davis, Sacramento, CA, (3)UC Davis Department of Psychiatry and Behavioral Sciences, Imaging Research Center, Sacramento, CA
- 10:45 **133.005** The Neural Bases of Joint Attention In Autism Spectrum Disorders. E. Redcay<sup>1</sup>, D. Dodell-Feder<sup>2</sup>, P. L. Mavros<sup>3</sup>, J. D. E. Gabrieli<sup>3</sup> and R. Saxe<sup>3</sup>, (1)Psychology, University of Maryland, College Park, MD, (2)Psychology, Harvard, Cambridge, MA, (3)Brain and Cognitive Sciences, Massachusetts Institute of Technology, Cambridge, MA
- 11:00 **133.006** Decoding Emotions From Body Postures: Altered Mirror Neuron Response In Children with Autism. L. E. Libero<sup>1</sup> and R. K. Kana, University of Alabama at Birmingham, Birmingham, AL
- 11:15 **133.007** Sustained Attention In Children and Adolescents with Autistic Spectrum Disorder and Attention Deficit Hyperactivity Disorder: An fMRI Investigation. C. M. Murphy<sup>1</sup>, A. Christakou<sup>2</sup>, K. Chantiluke<sup>3</sup>, A. Smith<sup>4</sup>, A. Cubillo<sup>5</sup>, E. Daly<sup>6</sup>, V. Giampetro<sup>7</sup>, C. Ecker<sup>8</sup>, D. G. Murphy<sup>8</sup>, M. Aims<sup>9</sup> and K. Rubia<sup>10</sup>, (1)Department of Forensic and Neurodevelopmental Sciences, King's College London, Institute of Psychiatry, London, United Kingdom, (2)Dept of Child Psychiatry, King's College London, Institute of Psychiatry, London, United Kingdom, (3)Dept of Child Psychiatry, King's College London, Institute of Psychiatry, London, United Kingdom, (4)Dept of Child Psychiatry, King's College London, Institute of Psychiatry, London, United Kingdom, (5)Dept of Child Psychiatry, King's College London, Institute of Psychiatry, London, United Kingdom, (6)Department of Forensic and Neurodevelopmental Sciences, King's College London, Institute of Psychiatry, London, United Kingdom, (7)Dept of Biostatistics, King's College London, Institute of Psychiatry, London, United Kingdom, (8)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom, (9)Institute of Psychiatry, London; University of Oxford; University of Cambridge, United Kingdom, London, United Kingdom, (10)King's College London, Institute of Psychiatry, London, United Kingdom

**Oral Sessions**

**133 - Structural and Functional Brain Imaging In Older Children, Adolescents and Adults with ASD**

9:45 AM - 11:45 AM - Douglas Pavilion A

*Session Chair:* D. G. Murphy; *Institute of Psychiatry, King's College London*

- 9:45 **133.001** The Relationship Between White Matter Integrity and Attentional Efficiency In Children with Autism Spectrum Disorder. J. Spradling<sup>1</sup>, D. K. Shukla<sup>2</sup>, B. Keehn<sup>3</sup>, J. Treiber<sup>2</sup>, J. Townsend<sup>4</sup> and R. A. Muller<sup>2</sup>, (1)San Diego, CA, (2)San Diego State University, San Diego, CA, (3)San Diego State University / University of California, San Diego, San Diego, CA, (4)University of California, San Diego, San Diego, CA
- 10:00 **133.002** Differences In Brain Anatomy In Male Adults with High-Functioning Autism Versus Asperger Syndrome. M. C. Lai<sup>1</sup>, M. V. Lombardo<sup>1</sup>, C. Ecker<sup>2</sup>, J. Suckling<sup>3</sup>, B. Chakrabarti<sup>4,5</sup>, E. T. Bullmore<sup>6</sup>, D. G. Murphy<sup>2</sup>, U. K. MRC AIMS Consortium<sup>7</sup> and S. Baron-Cohen<sup>1</sup>, (1)Autism Research Centre, Department of Psychiatry, University of Cambridge, Cambridge, United Kingdom, (2)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom, (3)Department of Psychiatry, Brain Mapping Unit, University of Cambridge, Cambridge, United Kingdom, (4)Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (5)Centre for Integrative Neuroscience and Neurodynamics, University of Reading, Reading, United Kingdom, (6)Brain Mapping Unit, University of Cambridge, Cambridge, United Kingdom, (7)Institute of Psychiatry, King's College London; University of Cambridge; University of Oxford, London, United Kingdom
- 11:30 **133.008** Functional Connectivity of BA 44 During Language Processing In ASD and TD Subjects. L. Moore<sup>1</sup>, J. A. Brown<sup>1</sup>, D. Shirinyan<sup>2,3</sup>, A. A. Scott-Van Zeeland<sup>4</sup>, J. D. Rudie<sup>3,5</sup>, M. Dapretto<sup>6</sup> and S. Y. Bookheimer<sup>7</sup>, (1)Interdepartmental Neuroscience Program, UCLA, Los Angeles, CA, (2)UCLA, Center for Autism Research and Treatment, Los Angeles, CA, (3)Brain Mapping Center, University of California, Los Angeles, CA, (4)University of California, Los Angeles, CA, (5)UCLA, Los Angeles, CA, (6)UCLA, Los Angeles, CA, (7)Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, CA

**Poster Sessions**

**134 - Adults with Autism, Girls with Autism, Developmental Psychopathology, 4 Methodological Issues**

8:00 AM - 1:00 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 9:00 **1 134.001** A Questionnaire Measuring Six Adult Autism Spectrum Problem Domains by Self- and Other-Report. E. Horwitz<sup>1</sup>, R. Schoevers<sup>2</sup>, R. B. Minderaa<sup>3</sup> and C. A. Hartman<sup>3</sup>, (1)Department of psychiatry, Groningen University Medical Center, Groningen, Netherlands, (2)Department of Psychiatry, Groningen University Medical Center, Groningen, Netherlands, (3)University of Groningen and University Medical Center Groningen, Groningen, Netherlands
- 10:00 **2 134.002** Elderly with Autism: A Cognitive Profile. H. M. Geurts<sup>1</sup>, Roeterstraat 15, University of Amsterdam, Amsterdam, NH, Netherlands
- 11:00 **3 134.003** Adults with and without Autism Differ In Their Emotional Responses to Non-Social Images Related to Circumscribed Interests. N. J. Sasson<sup>1</sup>, G. S. Dichter<sup>2</sup>, D. Beaton<sup>1</sup> and J. W. Bodfish<sup>3</sup>, (1)University of Texas at Dallas, Richardson, TX, (2)University of North Carolina, Chapel Hill, NC, (3)University of North Carolina, Chapel Hill, NC
- 9:00 **4 134.004** Cognitive Styles In High-Functioning Adults with An Autism Spectrum Disorder. A. A. Spek<sup>1</sup>, Mental Health Institution Eindhoven, Eindhoven, Netherlands
- 10:00 **5 134.005** Cognitive Profiles of Adults with HFA or Asperger Syndrome. A. A. Spek<sup>1</sup>, E. M. Scholte<sup>2</sup> and I. A. Berckelaer-Onnes<sup>3</sup>, (1)Mental Health Institution Eindhoven, Eindhoven, Netherlands, (2)Leiden University, Social and Behavioral Sciences, Leiden, (3)Social and Behavioral Sciences, Leiden University, Leiden, Netherlands
- 11:00 **6 134.006** The Multisensory Attention Assessment Protocol (MAAP): Indices of Attention Predict Diagnostic Status and Symptom Severity In Children with Autism Spectrum Disorders. L. E. Bahrack<sup>1</sup>, J. T. Todd and J. Vasquez, Psychology, Florida International University, Miami, FL
- 9:00 **7 134.007** A Comparison of Basic Attentional Shifting Between Adults and Children with High-Functioning Autism. G. Goldstein<sup>1,2</sup>, D. L. Williams<sup>3</sup> and N. J. J. Minshew<sup>4</sup>, (1)VA Pittsburgh Healthcare System, Pittsburgh, PA, (2)Psychiatry, University of Pittsburgh, Pittsburgh, PA, (3)Duquesne University, Pittsburgh, PA, (4)Psychiatry & Neurology, University of Pittsburgh, Pittsburgh, PA
- 10:00 **8 134.008** Attention Networks In Children with ADHD and High-Functioning ASD. C. M. Freitag<sup>1</sup> and S. Haenig<sup>2</sup>, (1)Department of Child and Adolescent Psychiatry, Johann Wolfgang Goethe-University, Frankfurt, Germany, (2)Child and Adolescent Psychiatry, Saarland University Hospital, Hamburg, Germany
- 11:00 **9 134.009** Assessing the Allocation of Visual Attention In Adults with Autism Using a Change Detection Paradigm. F. Laine<sup>1</sup>, J. A. Burack<sup>2</sup>, S. Rishikof<sup>2</sup>, L. Mottron<sup>3</sup> and A. Bertone<sup>4</sup>, (1)Department of Educational & Counselling Psychology, McGill University, Montreal, QC, Canada, (2)Dept. of Educational & Counselling Psychology, McGill University, Montreal, QC, Canada, (3)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada, (4)Perceptual Neuroscience Laboratory for Autism and Development, CETEDUM, Montréal, QC, Canada
- 9:00 **10 134.010** Managing Missing Data In Autism Research: The Use of Multiple Imputation. J. F. Strang<sup>1,2</sup>, D. Luckenbaugh<sup>3</sup>, L. Kenworthy<sup>2</sup>, G. L. Wallace<sup>4</sup>, J. L. Sokoloff<sup>2,5</sup> and D. O. Black<sup>6</sup>, (1)Suite 350, Children's National Medical Center, Rockville, MD, (2)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (3)Experimental Therapeutics and Pathophysiology Branch, National Institute of Mental Health, Bethesda, MD, (4)NIMH, Bethesda, MD, United States, (5)Children's National Medical Center, Rockville, MD, (6)Pediatrics and Developmental Neuropsychology Branch/ NIMH, NIMH, Bethesda, MD
- 10:00 **11 134.011** Developmental Profiles of Infants and Toddlers with Autism Spectrum Disorders Prospectively Identified In a Community-Based Setting. J. Barbaro<sup>1</sup> and C. Dissanayake<sup>2</sup>, (1)La Trobe University, Melbourne, Victoria, Australia, (2)La Trobe University, Olga Tennison Autism Research Centre, Bundoora, Australia 3086
- 11:00 **12 134.012** Family Predictors of Quality of Life and Child Problem Behavior In Families of Young Children with Autism Spectrum Disorders. S. P. Tetenbaum<sup>1</sup>, S. Nichols<sup>1</sup> and L. Adamek<sup>2,3</sup>, (1)ASPIRE Center for Learning and Development, Melville, NY, (2)Stony Brook University, Stony Brook, NY, (3)UCSD, San Diego, CA
- 9:00 **13 134.013** Empathy and Emotion Recognition In People with Autism and Their First-Degree Relatives. E. P. Sucksmith<sup>1,2</sup>, C. Allison<sup>3</sup>, S. Baron-Cohen<sup>3</sup>, B. Chakrabarti<sup>3,4</sup> and R. A. Hoekstra<sup>1</sup>, (1)Faculty of Science, Department of Life Sciences, Open University, Milton Keynes, United Kingdom, (2)Autism Research Centre, Cambridge University, Cambridge, United Kingdom, (3)Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (4)Centre for Integrative Neuroscience and Neurodynamics, University of Reading, Reading, United Kingdom
- 10:00 **14 134.014** Assessing the Potential of Social Networking Sites as Social Forums for Individuals with Autism. G. Park<sup>1</sup>, K. Gillespie-Lynch<sup>2</sup>, D. S. Smith<sup>1</sup>, S. K. Kapp<sup>3</sup>, P. M. Greenfield<sup>4</sup> and T. Hutman<sup>4</sup>, (1)UCLA, Los Angeles, CA, (2)Psychology, UCLA, Los Angeles, CA, (3)Moore Hall, Box 951521, University of California, Los Angeles, Los Angeles, CA, (4)Room 68-237, University of California, Los Angeles, CA
- 11:00 **15 134.015** Performance Pattern Differences on Measures of Verbal Intelligence In Children with Autism Spectrum Disorders and Attention Deficit-Hyperactivity Disorder. E. L. Wodka<sup>1</sup>, L. Kalb<sup>1</sup> and M. Zayat<sup>2</sup>, (1)Kennedy Krieger Institute, Baltimore, MD, (2)Loyola University, Baltimore, MD
- 9:00 **16 134.016** The Sensory Perception Quotient: Validation In Adults with and without Autism Spectrum Conditions. T. Tavassoli<sup>1</sup>, R. A. Hoekstra<sup>2</sup> and S. Baron-Cohen<sup>3</sup>, (1)Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (2)Faculty of Science, Department of Life Sciences, Open University, Milton Keynes, United Kingdom, (3)Department of Psychiatry, Autism Research Centre, University of Cambridge, Cambridge, United Kingdom

- 10:00 **17 134.017** Electrophysiological Assessment of Attention Regulation In ADHD, Autism Spectrum Disorder, and Typical Children. E. M. Sokhadze<sup>1</sup>, J. M. Baruth<sup>1</sup>, L. L. Sears<sup>2</sup>, G. Sokhadze<sup>3</sup>, A. S. El-Baz<sup>4</sup> and M. F. Casanova<sup>5</sup>, (1)University of Louisville, Louisville, KY, (2)Pediatrics, University of Louisville, Louisville, KY, (3)Psychology Brain Sciences, University of Louisville, Louisville, KY, (4)Bioengineering, University of Louisville, Louisville, KY, (5)Psychiatry & Behavioral Sciences, University of Louisville, Louisville, KY
- 11:00 **18 134.018** Longitudinal Profiles of Adaptive Behavior In Children with ASD From Ages 2 to 8. C. A. Saulnier<sup>1</sup>, P. Ventola<sup>1</sup>, K. D. Tsatsanis<sup>1</sup>, K. Chawarska<sup>2</sup> and A. Klin<sup>3</sup>, (1)Yale Child Study Center, New Haven, CT, (2)Suite 71, Yale University School of Medicine, New Haven, CT, (3)Yale School of Medicine, New Haven, CT
- 9:00 **19 134.019** Sleep and Executive Control Among Young High Functioning Children with Autism Spectrum Disorders. S. Faja<sup>1</sup> and G. Dawson<sup>2</sup>, (1)Box 357920, University of Washington, Seattle, WA, (2)University of North Carolina, Autism Speaks, UNC Chapel Hill, Chapel Hill, NC
- 10:00 **20 134.020** Evaluation of the Diagnostic Accuracy and Reliability of the Pediatric Autism Early Diagnostic (PAED) Assessment: A New Tool for Community-Based Pediatricians. V. Wright<sup>1</sup>, W. Roberts<sup>2</sup>, M. Shouldice<sup>3</sup>, M. Gordon<sup>4</sup>, S. Barker<sup>4</sup>, N. Jones-Stokreef<sup>4</sup>, J. Flanagan<sup>5</sup>, L. Feitelberg<sup>5</sup>, E. Jimenez<sup>2</sup>, S. Stead<sup>5</sup>, J. A. Brian<sup>3</sup> and R. Barber<sup>1</sup>, (1)Bloorview Research Institute, Toronto, ON, Canada, (2)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (3)Hospital for Sick Children, Toronto, ON, Canada, (4)Pediatrics, Orillia Soldiers Memorial Hospital, Orillia, ON, Canada, (5)St Joseph's Health Centre, Toronto, ON, Canada
- 11:00 **21 134.021** Can the AOSI at Nine Months Discriminate Between Infants at High or Low Risk for ASD?. K. Downing<sup>1</sup>, K. Concannon<sup>2</sup>, V. Vogel-Farley<sup>2</sup>, C. A. Nelson<sup>3</sup> and H. Tager-Flusberg<sup>1</sup>, (1)Department of Psychology, Boston University, Boston, MA, (2)Labs of Cognitive Neuroscience, Children's Hospital Boston, Boston, MA, (3)Laboratories of Cognitive Neuroscience, Harvard Medical School/Children's Hospital Boston, Boston, MA
- 9:00 **22 134.022** Autonomy, Dependency, and the Attainment of Developmental Tasks In the Third Decade of Life Among Young Adults with High Functioning Autism Spectrum Conditions. A. Yannay-Shani<sup>1</sup> and O. Golan, Department of Psychology, Bar-Ilan University, Ramat-Gan, Israel
- 10:00 **23 134.023** Autism Spectrum Disorders In Hispanics and Non-Hispanics. V. Chaidez<sup>1</sup> and I. Hertz-Picciotto<sup>2</sup>, (1)Public Health Sciences, University of California, Davis, Davis, CA, (2)Department of Public Health Sciences, University of California Davis, Davis, CA
- 11:00 **24 134.024** Danger Lurking? Dissociation of Psychophysiology and Behavior In Response to Provoked Anxiety. M. South<sup>1,2</sup>, T. Newton<sup>2</sup>, M. Christensen<sup>1</sup>, O. Johnston<sup>3</sup>, K. Taylor<sup>4</sup>, N. K. Jamison<sup>2</sup>, R. Gilliland<sup>1</sup>, P. Chamberlain<sup>2</sup>, S. van Tassel<sup>1</sup>, A. Cooper<sup>1</sup>, A. LeBaron<sup>1</sup>, A. LeBaron<sup>1</sup> and J. D. Higley<sup>1</sup>, (1)Psychology, Brigham Young University, Provo, UT, (2)Neuroscience, Brigham Young University, Provo, UT, (3)School of Accountancy, Brigham Young University, Provo, UT, (4)Psychiatry, Virginia Commonwealth University, Richmond, VA
- 9:00 **25 134.025** Health-Related Quality of Life: Perspectives From Youth with Autism Spectrum Disorders and Their Mothers. J. Magill-Evans<sup>1</sup>, C. Koning<sup>2</sup> and B. G. Clark<sup>3</sup>, (1)Occupational Therapy, University of Alberta, Edmonton, AB, Canada, (2)Glenrose Rehabilitation Hospital, Edmonton, AB, Canada, (3)University of Alberta, Edmonton, AB, Canada
- 10:00 **26 134.026** Early Object Manipulation In Infants at Risk for Autism Spectrum Disorder. V. L. Armstrong<sup>1</sup>, L. Zwaigenbaum<sup>2</sup>, I. M. Smith<sup>1</sup>, J. Brian<sup>2</sup>, W. Roberts<sup>4</sup>, P. Szatmari<sup>5</sup> and S. E. Bryson<sup>1</sup>, (1)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (2)University of Alberta, Edmonton, AB, Canada, (3)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (4)University of Toronto, Toronto, ON, Canada, (5)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada
- 11:00 **27 134.027** Potential Gender Difference In Attentional Filtering In Girls Relative to Boys with Higher Functioning Autism. T. Oswald<sup>1,2</sup>, K. Fukuda<sup>1</sup>, E. Vogel<sup>1</sup>, M. A. Winter-Messiers<sup>2</sup>, B. Gibson<sup>3</sup> and L. Moses<sup>2</sup>, (1)University of Oregon, Eugene, OR, (2)University of Oregon, Eugene, OR, United States, (3)Oregon Social Learning Center, Eugene, OR
- 9:00 **28 134.028** IQ as An Outcome Measure In Children with Autism Spectrum Disorder: What Are We Measuring?. L. R. MacMullen<sup>1</sup>, R. Manfredi<sup>2</sup> and J. E. Connell<sup>3</sup>, (1)Temple University, Philadelphia, PA, (2)Children's Hospital of Philadelphia, Center for Autism Research, Philadelphia, PA, United States, (3)University of Pennsylvania, Philadelphia, PA
- 10:00 **29 134.029** A Comparable Analysis of Emotion Recognition In Autism Spectrum Disorders (ASD) and Attention Deficit Hyperactivity Disorder (ADHD). K. L. Ashwood<sup>1</sup>, B. Azadi<sup>2</sup>, P. Asherson<sup>3</sup> and P. Bolton<sup>4</sup>, (1)Institute of Psychiatry, London, United Kingdom, (2)Institute of Psychiatry, London, United Kingdom, (3)London, (4)Institute of Psychiatry
- 11:00 **30 134.030** Do Measures of Stabilized Intelligence Lie on ASD?. A. Sanjuán, London De Crespigny Park, London, United Kingdom
- 9:00 **31 134.031** Eye Gaze Cueing In Fragile X and Autism: A Pilot Study. K. M. Venema<sup>1</sup>, S. T. Lee, K. Wilner and S. J. Webb, University of Washington, Seattle, WA
- 10:00 **32 134.032** Fast-Mapping In Boys with Autism and Fragile X Syndrome. A. McDuffie<sup>1,2</sup>, S. T. Kover<sup>1</sup>, D. P. Benjamin<sup>3</sup>, A. M. Mastergeorge<sup>4</sup>, R. J. Hagerman<sup>5</sup> and L. Abbeduto<sup>6</sup>, (1)University of Wisconsin, Madison Waisman Center, Madison, WI, (2)Waisman Center, University of Wisconsin, Madison, WI, (3)U.C. Davis MIND Institute, Sacramento, CA, (4)University of California, Davis/M.I.N.D. Institute, Davis, CA, (5)Pediatrics, U.C. Davis MIND Institute, Sacramento, CA, (6)Waisman Center, Madison, WI
- 11:00 **33 134.033** Comparing Patterns of Errors on the Raven's Progressive Matrices Test: Strategy Differences Among Typically Developing Individuals, Individuals with Autism, and Computational Models. M. Kunda<sup>1</sup>, I. Soulières<sup>2</sup>, L. Motttron<sup>2</sup> and A. Goel<sup>1</sup>, (1)School of Interactive Computing, Georgia Tech, Atlanta, GA, (2)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada
- 9:00 **34 134.034** Troubled Adolescence and Beyond: The Characteristics of Addiction in Autism. B. B. Sizoo<sup>1</sup>, Dimence, Deventer, Netherlands



**Poster Sessions**

**134 - Higher Cognition**

8:00 AM - 1:00 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 9:00 **35 134.035** Clustering of External Representations In Young People with Autism Spectrum Disorder. B. Grawemeyer<sup>1</sup>, Computer Science, Bath University, Bath, United Kingdom
- 10:00 **36 134.036** Executive Functioning Profiles of Younger Siblings of Children with ASD at School Age. C. R. Newsom<sup>1</sup>, J. H. Foss-Feig<sup>2</sup>, E. B. Lee<sup>1</sup>, J. A. Crittendon<sup>1</sup>, C. P. Burnette<sup>3</sup>, E. Malesa<sup>2</sup>, J. L. Taylor<sup>4</sup> and Z. Warren<sup>1</sup>, (1)Pediatrics, Vanderbilt University, Nashville, TN, (2)Psychology, Vanderbilt University, Nashville, TN, (3)Department of Pediatrics, University of New Mexico, Albuquerque, NM, (4)Vanderbilt Kennedy Center, Nashville, TN
- 11:00 **37 134.037** Can Individuals with Autism Abstract Prototypes of Faces?. H. Z. Gastgeb<sup>1</sup>, D. Wilkinson<sup>2</sup>, N. J. J. Minshew<sup>3</sup> and M. S. Strauss<sup>4</sup>, (1)Psychiatry, University of Pittsburgh, Pittsburgh, PA, (2)University of Pittsburgh, Pittsburgh, PA, United States, (3)Psychiatry & Neurology, University of Pittsburgh, Pittsburgh, PA, (4)University of Pittsburgh, Pittsburgh, PA
- 9:00 **38 134.038** The Nature of Working Memory Impairments In Children and Adolescents with Autism Spectrum Disorder. J. M. Schuh<sup>1</sup> and I. M. Eigsti, University of Connecticut, Storrs, CT
- 10:00 **39 134.039** Specificity of Risk Averse Decision-Making to the Autism Spectrum. S. A. Johnson<sup>1</sup>, J. H. Filliter<sup>1</sup>, T. J. Pleskac<sup>2</sup>, J. Gillespie<sup>1</sup>, S. Queller<sup>3</sup> and P. Corkum<sup>1</sup>, (1)Department of Psychology, Dalhousie University, Halifax, NS, Canada, (2)Michigan State University, East Lansing, MI, United States, (3)Indiana University, Bloomington, IN
- 11:00 **40 134.040** Effects of Weak Central Coherence on Resistance to Distractor Inhibition for Children with Autism. N. C. Adams<sup>1</sup> and C. Jarrold<sup>2</sup>, (1)Psychology, University of Alabama, Tuscaloosa, AL, (2)University of Bristol, Bristol, United Kingdom
- 9:00 **41 134.041** Judgment-of-Learning In Children with Autism Spectrum Disorder. C. Souchay<sup>1</sup> and D. Z. Wojcik, Institute of Psychological Sciences, University of Leeds, Leeds, United Kingdom
- 10:00 **42 134.042** Categorization Speed and Accuracy In 6-Year-Old Children with ASD. L. Naigles<sup>1</sup>, D. Rubin<sup>2</sup> and D. A. Fein<sup>1</sup>, (1)University of Connecticut, Storrs, CT, (2)Psychology, University of Connecticut, Storrs, CT
- 11:00 **43 134.043** Social Relevant Stimuli and Cognitive Flexibility In Autism. M. de Vries<sup>1</sup> and H. M. Geurts<sup>2</sup>, (1)Brain and Cognition, University of Amsterdam, Amsterdam, Netherlands, (2)Roeterstraat 15, University of Amsterdam, Amsterdam, NH, Netherlands
- 9:00 **44 134.044** Metamemory Functioning In Children with Autism Spectrum Disorder. D. Z. Wojcik<sup>1</sup> and C. Souchay, Institute of Psychological Sciences, University of Leeds, Leeds, United Kingdom
- 10:00 **45 134.045** Neural Correlates of Relational Memory In Autism. E. J. H. Jones<sup>1</sup>, J. Tiwana and M. Murias, University of Washington, Seattle, WA
- 11:00 **46 134.046** Recall and Recognition of Episodically-Defined Word Pairs: Further Evidence of a Relational Binding Difficulty In ASD. D. M. Bowler<sup>1</sup>, S. B. Gaigg and J. M. Gardiner, Autism Research Group, City University London, London, United Kingdom
- 9:00 **47 134.047** Prototypical Category Learning Intact In Adolescents and Adults with High-Functioning Autism. O. Olu-Lafe<sup>1</sup>, T. Vladusich<sup>2</sup>, D. S. Kim<sup>3</sup>, S. Grossberg<sup>4</sup> and H. Tager-Flusberg<sup>1</sup>, (1)Department of Psychology, Boston University, Boston, MA, (2)Volen Center for Complex Systems, Brandeis University, Waltham, MA, (3)Center for Biomedical Imaging, Boston University School of Medicine, Boston, MA, (4)Center for Adaptive Systems, Boston University, Boston, MA
- 10:00 **48 134.048** Effortful Control and Executive Functioning In Children with ASD. V. J. Samyn<sup>1</sup>, H. Roeyers<sup>2</sup>, P. Bijttebier<sup>3</sup> and J. R. Wiersema<sup>2</sup>, (1)Experimental Clinical and Health Psychology, Ghent University, Ghent, Belgium, (2)Department of Experimental - Clinical and Health Psychology, Ghent University, Ghent, Belgium, (3)Katholieke Universiteit Leuven, Leuven, Netherlands
- 11:00 **49 134.049** Mental Time Travel in ASD: Assessing Episodic Memory and Episodic Future Thinking. S. E. Lind<sup>1</sup>, L. Crane<sup>2</sup> and D. M. Bowler<sup>3</sup>, (1)Psychology Department, Durham University, Durham, United Kingdom, (2)Psychology Department, Goldsmiths, University of London, London, United Kingdom, (3)Autism Research Group, City University London, London, United Kingdom
- 9:00 **50 134.050** Weak Central Coherence In Autism Over the Preschool Years. K. K. Powell<sup>1</sup>, E. S. Kushner and L. G. Anthony, Center for Autism Spectrum Disorders, Division of Neuropsychology, Children's National Medical Center, Rockville, MD
- 10:00 **51 134.051** Declarative Memory and Language In ASD. S. Anns<sup>1</sup>, S. Bigham<sup>2</sup>, J. Boucher<sup>1</sup>, A. Mayes<sup>3</sup> and D. M. Bowler<sup>1</sup>, (1)Autism Research Group, City University London, London, United Kingdom, (2)Bournemouth University, Bournemouth, United Kingdom, (3)School of Psychological Sciences, University of Manchester, Manchester, United Kingdom
- 11:00 **52 134.052** Perseveration In Autistic Spectrum Disorders; Role of Negative Feedback. J. Broadbent<sup>1</sup> and M. A. Stokes<sup>2,3</sup>, (1)School of Psychology, Deakin University, Burwood, Australia, (2)Deakin University, Burwood, Australia, (3)Psychology, Deakin University, Burwood, Australia
- 9:00 **53 134.053** Executive Functions In Asperger Syndrome: Evidence for a Modality Bias. A. McCrimmon<sup>1</sup> and J. M. Montgomery<sup>2</sup>, (1)University of Calgary, Calgary, AB, Canada, (2)Psychology, University of Manitoba, Winnipeg, MB, Canada
- 10:00 **54 134.054** Prospective Memory Performance In Autism Spectrum Disorders: Using a Naturalistic Task. M. Altgassen<sup>1</sup>, N. Koban and M. Kliegel, Technische Universitaet Dresden, Dresden, Germany
- 11:00 **55 134.055** Association of Deficits In Executive Functioning and Neurocognitive Status In Low/High Levels of Autistic Traits In a Sub-Clinical Sample. R. Hansen<sup>1</sup>, K. Swanson, L. Deling, A. Johnson and F. R. Ferraro, University of North Dakota, Grand Forks, ND
- 9:00 **56 134.056** Affective Decision-Making: Relation to Social and Behavioral Outcomes for Young Children with Autism Spectrum Disorders. R. Montague<sup>1</sup>, Los Angeles, CA
- 10:00 **57 134.057** Developmental Change In Theory of Mind: Late Onset, Yet Normal Rate of Development. M. Robbets-Hoogenhout<sup>1</sup>, S. Malcolm-Smith and K. Thomas, Psychology, University of Cape Town, Cape Town, South Africa

- 11:00 **58 134.058** Behavioral Flexibility Impairments In Autism Spectrum Disorders Are Related to Symptoms of Insistence on Sameness. A. M. D'Cruz<sup>1</sup>, M. W. Mosconi<sup>1</sup>, L. Schmitt<sup>1</sup>, S. Shrestha<sup>1</sup>, E. H. Cook<sup>2</sup>, M. E. Ragozzino<sup>1,3</sup> and J. A. Sweeney<sup>1</sup>, (1)Center for Cognitive Medicine, University of Illinois at Chicago, Chicago, IL, (2)Institute for Juvenile Research, University of Illinois at Chicago, Chicago, IL, (3)Psychology, University of Illinois at Chicago, Chicago, IL
- 9:00 **59 134.059** Getting Stuck: Children with High Functioning Autism Spectrum Disorders Demonstrate Impaired Cognitive Flexibility on the Flexible Item Selection Task (FIST). B. Yerys<sup>1</sup>, B. Wolff<sup>2</sup>, E. Moody<sup>3</sup>, B. F. Pennington<sup>4</sup> and S. Hepburn<sup>5,6</sup>, (1)Children's National Medical Center, Washington, DC, (2)University of Colorado Denver School of Medicine, Aurora, CO, (3)Mail Stop C234, University of Colorado, Denver, Aurora, CA, United States, (4)Psychology, University of Denver, Denver, CO, (5)University of Colorado Denver, Anschutz Medical Campus, Aurora, CO, (6)University of Colorado / JFK Partners, Aurora, CO
- 10:00 **60 134.060** Attention and Executive Function In Children with ASD. Y. V. Jiang<sup>1</sup>, K. Koldewyn<sup>2</sup>, S. Weigelt<sup>3</sup>, E. Pellicano<sup>3</sup> and N. G. Kanwisher<sup>2</sup>, (1)University of Minnesota, Minneapolis, MN, (2)Brain & Cognitive Sciences, MIT, Cambridge, MA, (3)Centre for Research in Autism & Education, Institute of Education, London, United Kingdom
- 11:00 **61 134.061** Decision-Making of Children with Autism Spectrum Disorder. T. Fujioka<sup>1</sup> and S. Miyamoto, University of Tsukuba, Tsukuba City, Ibaraki, Japan
- 9:00 **62 134.062** A Continuous False Belief Task Reveals Egocentric Biases In Adolescents with Autism. S. Begeer<sup>1</sup>, J. van Wijhe<sup>2</sup>, D. M. Bernstein<sup>3</sup>, A. M. Scheeren<sup>1</sup> and H. M. Koot<sup>1</sup>, (1)VU University, Amsterdam, Netherlands, (2)VU University, Amsterdam, (3)Department of Psychology, Kwantlen Polytechnic University Department of Psychology & Institute for Learning and Brain Sciences, University of Washington, Richmond, WA, Canada
- 10:00 **63 134.063** Number Sense In Autism. E. Pellicano<sup>1</sup>, D. Murphy<sup>2</sup>, C. Attucci<sup>1</sup>, E. Klaric<sup>3</sup> and D. Burr<sup>2</sup>, (1)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (2)Department of Psychology, University of Florence, Florence, Italy
- 11:00 **64 134.064** Spatial Working Memory and Patterns of Academic Achievement In 9-Year-Old Children with ASD. P. Cali<sup>1</sup>, A. M. Estes<sup>2</sup>, T. St. John<sup>3</sup>, J. Munson<sup>4</sup> and G. Dawson<sup>5</sup>, (1)University of Washington, Seattle, WA, (2)Speech and Hearing Sciences, University of Washington, Seattle, WA, (3)University of Washington Autism Center, Seattle, WA, United States, (4)University of Washington, Seattle, WA, United States, (5)University of North Carolina, Autism Speaks, UNC Chapel Hill, Chapel Hill, NC, United States
- 9:00 **65 134.065** Asking the Right Questions: Planning Differences During Verbal Problem-Solving In Children with Autism Spectrum Disorders. B. D. Alderson-Day<sup>1</sup>, Dept. of Psychology, The University of Edinburgh, Edinburgh, United Kingdom
- 10:00 **66 134.066** Understanding People and Understanding Objects: Characterizing Folk Theories In Young Children with Autism Spectrum Disorder (ASD). N. L. Matthews<sup>1</sup>, A. Lukowski<sup>2</sup> and W. A. Goldberg<sup>1</sup>, (1)Psychology and Social Behavior, University of California, Irvine, Irvine, CA, (2)University of California, Irvine
- 11:00 **67 134.067** Global and Local Contextual Learning In Persons with ASD. P. S. Powell<sup>1</sup>, M. E. Crisler, B. G. Travers, J. L. Mussey, M. R. Klinger and L. G. Klinger, University of Alabama, Tuscaloosa, AL
- 9:00 **68 134.068** Emotional Intelligence, Theory of Mind, and Executive Functions as Predictors of Social Outcomes In Asperger Disorder. J. M. Montgomery<sup>1</sup> and A. McCrimmon<sup>2</sup>, (1)Psychology, University of Manitoba, Winnipeg, MB, Canada, (2)University of Calgary, Calgary, AB, Canada
- 10:00 **69 134.069** SOURCE Memory and SOCIAL Impairments IN Children with High Functioning ASD. E. Gilbert<sup>1</sup>, K. Morasse<sup>2</sup> and N. Rouleau<sup>3</sup>, (1)Centre de Recherche Université Laval Robert-Giffard, Québec, QC, Canada, (2)Service de pédopsychiatrie, Hotel-Dieu de Lévis, Lévis, QC, Canada, (3)Ecole de Psychologie, Laval University, Quebec, QC, Canada
- 11:00 **70 134.070** Visuospatial Learning and Memory Performance on the Indiana Faces In Places Test In Children and Adolescents with Autism Spectrum Disorder. J. H. Filliter<sup>1</sup>, L. R. Goodman<sup>1</sup>, M. L. Tower<sup>2</sup>, J. Baker<sup>2</sup> and S. A. Johnson<sup>1</sup>, (1)Department of Psychology, Dalhousie University, Halifax, NS, Canada, (2)Department of Psychology, Mount Saint Vincent University, Halifax, NS, Canada
- 9:00 **70A 119.007** Determining Sex Differences In Social Cognition of the Individuals with and without Autism Spectrum Disorders Using Advanced Mind-Reading Tasks. M. Kuroda<sup>1</sup>, A. Wakabayashi<sup>2</sup>, T. Uchiyama<sup>3</sup>, Y. Yoshida<sup>4</sup>, T. Koyama<sup>5</sup> and Y. Kamio<sup>6</sup>, (1)Tokeigakuin University, Gifu, Japan, (2)Chiba University, Chiba, Japan, (3)Fukushima University, Fukushima, Japan, (4)Yokohama Psycho-Developmental Clinic, Yokohama, Japan, (5)Shinsyu University, Nagano, Japan, (6)National Institute of Mental Health, Tokyo, Japan

**Poster Sessions**

**134 - Language, Emotion, and Face Processing**

8:00 AM - 1:00 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 9:00 **71 134.071** Early Word Learning In Neurodevelopmental Disorders: Implications for Eye-Tracking Trajectories In Autism and Fragile X Syndrome. D. P. Benjamin<sup>1</sup>, A. McDuffie<sup>2</sup>, S. W. Harris<sup>3</sup>, S. T. Kover<sup>2</sup>, A. M. Mastergeorge<sup>4</sup>, R. J. Hagerman<sup>5</sup> and L. Abbeduto<sup>6</sup>, (1)U.C. Davis MIND Institute, Sacramento, CA, (2)University of Wisconsin, Madison Waisman Center, Madison, WI, (3)M.I.N.D Institute, University of California at Davis Medical Center, Sacramento, CA, (4)University of California, Davis/M.I.N.D. Institute, Davis, CA, (5)Pediatrics, U.C. Davis MIND Institute, Sacramento, CA, (6)Waisman Center, Madison, WI
- 10:00 **72 134.072** Emotion Understanding and Empathic Responsiveness In Children with An Autism Spectrum Disorder (ASD). C. Dissanayake<sup>1</sup>, A. Newbigin<sup>2</sup> and F. K. Chandler<sup>3</sup>, (1)La Trobe University, Olga Tennison Autism Research Centre, Bundoora 3086, (2)Olga Tennison Autism Research Centre, La Trobe University, Victoria, Australia, (3)Olga Tennison Autism Research Centre, School of Psychological Science, La Trobe University, Bundoora 3083, Victoria, VIC, Australia

- 11:00 **73 134.073** Gaze/Point Following In Children with Autism Spectrum Disorders In Relation to Communicative Skills: An Eye-Tracking Study. T. Falck-Ytter<sup>1</sup>, E. Fernell<sup>2</sup>, C. Gillberg<sup>3</sup> and C. von Hofsten<sup>4</sup>, (1)KIND, Karolinska Institute, Stockholm, Sweden, (2)Autism Centre for Young Children, Handicap and Habilitation, Stockholm, Sweden, (3)Neurosciences Unit, Institute of Child Health, London, United Kingdom, (4)Dep. of Psychology, Uppsala University, Stockholm, Sweden
- 9:00 **74 134.074** Preference Choices and Gaze to Faces In High-Functioning Autism. A. Gharib<sup>1</sup>, D. Mier<sup>2</sup>, R. Adolphs<sup>3</sup> and S. Shimojo<sup>3</sup>, (1)Division of Biology, Caltech, Pasadena, CA, (2)Department of Clinical Psychology, Central Institute of Mannheim, Mannheim, Germany, (3)Division of Computation and Neural Systems, Caltech, Pasadena, CA
- 10:00 **75 134.075** Pupillary Responses During Audio-Visual Speech Perception. J. M. Bebko<sup>1</sup>, M. Slusarczyk<sup>2</sup>, L. N. Hancock<sup>1</sup> and S. M. Brown<sup>3</sup>, (1)York University, Toronto, ON, Canada, (2)Psychology, York University, Toronto, ON, Canada, (3)Department of Psychology, York University, Toronto, ON, Canada
- 11:00 **76 134.076** Emotional Regulation In Autism: A Relational, Therapeutic Perspective. J. A. Hobson<sup>1</sup> and P. Hobson<sup>2</sup>, (1)Institute of Child Health, London, United Kingdom, (2)Institute of Child Health, University College London and Tavistock Clinic, London, London, United Kingdom
- 9:00 **77 134.077** Reduced Representational Momentum for Subtle Dynamic Facial Expressions In Autism Spectrum Disorders. **Moved to Poster Session 110, pg. 44**
- 10:00 **78 134.078** Assessing Face Processing Impairment In ASD Using the Benton Facial Recognition Test. S. A. Anderson<sup>1</sup>, K. Loggins, D. L. Robins and T. Z. King, Georgia State University, Atlanta, GA
- 9:00 **79 134.079** Mother and Stranger Comparison of Selective Attention in the Context of Jealousy and its link with Attachment. N. Bauminger<sup>1</sup> and D. Shoham<sup>2</sup>, (1)Bar - Ilan University, Ramat - Gan, (2)School of Education, Bar - Ilan University, Ramat - Gan, Israel
- 9:00 **80 134.080** Emerging Language and Social Abilities In ASD: Reciprocal Effects?. T. A. Bennett<sup>1</sup>, P. Szatmari<sup>1</sup>, S. Georgiades<sup>1</sup>, E. Duku<sup>1</sup>, A. Thompson<sup>1</sup>, S. E. Bryson<sup>2</sup>, E. Fombonne<sup>3</sup>, P. Miranda<sup>4</sup>, W. Roberts<sup>5</sup>, I. M. Smith<sup>2</sup>, T. Vaillancourt<sup>6</sup>, J. Volden<sup>7</sup>, C. Waddell<sup>8</sup> and L. Zwaigenbaum<sup>9</sup>, (1)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (2)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (3)Montreal Children's Hospital, Montreal, QC, Canada, (4)University of British Columbia, Vancouver, BC, Canada, (5)University of Toronto, Toronto, ON, Canada, (6)University of Ottawa, Ottawa, ON, Canada, (7)University of Alberta, Edmonton, AB, Canada, (8)Simon Fraser University, (9)Pediatrics, University of Alberta, Edmonton, AB, Canada
- 10:00 **81 134.081** Social Functioning, Systemising Ability and Emotion Recognition in Autism Spectrum Disorders. E. L. Ashwin<sup>1</sup>, Psychology, Bath University, Bath, United Kingdom
- 11:00 **82 134.082** Recognition of Familiar Faces In Infants at Low and High Risk for Autism. A. P. F. Key<sup>1</sup> and W. L. Stone<sup>2</sup>, (1)Kennedy Center / Dept. Hearing & Speech Sciences, Vanderbilt University, Nashville, TN, (2)University of Washington, Seattle, WA
- 9:00 **83 134.083** Using Emotional Signals to Make Sense of People's Actions – Autism and Typical Development. G. Vivanti<sup>1</sup>, C. McCormick<sup>2</sup>, G. S. Young<sup>3</sup>, S. Ozonoff<sup>3</sup> and S. J. Rogers<sup>3</sup>, (1)Olga tennison Autism Research Centre, La Trobe University, Melbourne, Australia, (2)M.I.N.D. Institute, Sacramento, CA, (3)Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA
- 10:00 **84 134.084** Perception of Emotions From Facial Expressions In High-Functioning Adults with Autism. D. P. Kennedy<sup>1</sup>, B. C. F. Cheng<sup>1</sup>, C. R. Holcomb<sup>1</sup> and R. Adolphs<sup>1,2</sup>, (1)Humanities and Social Sciences, Caltech, Pasadena, CA, (2)Biology, Caltech, Pasadena, CA
- 11:00 **85 134.085** Referential Generalization In Children with Autism Spectrum Disorder. H. Bani Hani<sup>1</sup>, K. Howarth<sup>1</sup> and A. Nadig<sup>2</sup>, (1)McGill University, Montreal, QC, Canada, (2)School of Communication Sciences & Disorders, McGill University, Montreal, QC, Canada
- 9:00 **86 134.086** Can Adolescents with Autism Rapidly Infer Mental States From Faces?. E. Back<sup>1</sup>, K. Ramdhonee<sup>2</sup> and I. Apperly<sup>3</sup>, (1)Department of Psychology, Kingston University London, Kingston upon Thames, Surrey, United Kingdom, (2)Kingston University London, Kingston upon Thames, Surrey, United Kingdom, (3)University of Birmingham, Birmingham, United Kingdom
- 10:00 **87 134.087** Is Face Recognition Selectively Impaired In Children with ASD?. K. Koldewyn<sup>1</sup>, S. Weigelt and N. G. Kanwisher, Brain & Cognitive Sciences, MIT, Cambridge, MA
- 11:00 **88 134.088** Face Processing In Persons with Asperger Syndrome. T. S. Falkmer<sup>1</sup> and M. S. Falkmer<sup>2</sup>, (1)School of Occupational Therapy and Social Work, Curtin University, Perth, Australia, (2)HLK, Jonkoping University, Jonkoping, Sweden
- 9:00 **89 134.089** Vocal Emotion Recognition In Autism Spectrum Disorders: When Psychoacoustics Meet Cognition. O. Golan<sup>1</sup>, E. Globerson<sup>2</sup>, M. Lavidor<sup>1,3</sup>, L. Kishon-Rabin<sup>4</sup> and N. Amir<sup>4</sup>, (1)Department of Psychology, Bar-Ilan University, Ramat-Gan, Israel, (2)Gonda Multidisciplinary Brain Center, Bar-Ilan University, Rama-Gan, Israel, (3)Gonda Multidisciplinary Brain Center, Bar-Ilan University, Ramat-Gan, Israel, (4)Department of Communication Disorders, Tel-Aviv University, Tel Aviv, Israel
- 10:00 **90 134.090** An Eye-Scanning Approach to Measuring Receptive Language Abilities In Infants at High and Low Risk for Autism. S. C. Green<sup>1</sup>, K. W. Chua<sup>2</sup>, D. N. Wexler<sup>1</sup> and M. S. Strauss<sup>1</sup>, (1)Psychology, University of Pittsburgh, Pittsburgh, PA, (2)University of Pittsburgh, Pittsburgh, PA
- 11:00 **91 134.091** Impaired Face Recognition In Autism Spectrum Disorder: Local Bias or No Bias?. H. C. Leonard<sup>1</sup>, D. Annaz<sup>2</sup>, A. Karmiloff-Smith<sup>1</sup> and M. H. Johnson<sup>1</sup>, (1)Centre for Brain and Cognitive Development, Birkbeck, University of London, London, United Kingdom, (2)Middlesex University, London, United Kingdom
- 9:00 **92 134.092** Ecological Momentary Assessment: A New Method for Studying Affect In Adolescents with Autism. K. Rump<sup>1</sup> and M. S. Strauss<sup>2</sup>, (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)University of Pittsburgh, Pittsburgh, PA
- 10:00 **93 134.093** Face Recognition In 5-Year-Olds with ASD: An Investigation of Identity, Featural and Configural Changes. N. M. Kurtz<sup>1</sup>, J. Parish-Morris<sup>2</sup>, R. T. Schultz<sup>3</sup> and S. Paterson<sup>4</sup>, (1)Philadelphia, PA, (2)Temple University, Ambler, PA, (3)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia,, PA, (4)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA

- 11:00 **94 134.094** Early Childhood Language In Autism Spectrum Disorders and Fragile X Syndrome. E. M. Quintin<sup>1</sup>, A. A. Lightbody<sup>1</sup>, H. C. Hazlett<sup>2</sup>, J. Piven<sup>3</sup> and A. Reiss<sup>1</sup>, (1)Psychiatry, Stanford University, Stanford, CA, (2)University of North Carolina, University of NC, Chapel Hill, NC, United States, (3)Psychiatry, University of North Carolina, Chapel Hill (UNC-CH), Chapel Hill, NC
- 9:00 **95 134.095** Emotional Face Processing In Autism Spectrum Disorders: Evidence From China. C. Wang<sup>1</sup>, School of Medicine, Nankai University, Tianjin, China
- 10:00 **96 134.096** Electrophysiological Response to Words In Infants at Risk for ASD. A. Seery<sup>1</sup>, W. Talcott<sup>2</sup>, V. Vogel-Farley<sup>3</sup>, H. Tager-Flusberg<sup>1</sup> and C. A. Nelson<sup>4</sup>, (1)Department of Psychology, Boston University, Boston, MA, (2)Harvard University, Cambridge, MA, (3)Children's Hospital Boston, Boston, MA, United States, (4)Laboratories of Cognitive Neuroscience, Harvard Medical School/Children's Hospital Boston, Boston, MA
- 11:00 **97 134.097** 5-HTTLPR In Relation to Behavioral and Emotional Self-Regulation In Children with High Functioning Autism. K. E. Ono<sup>1</sup>, H. A. Henderson<sup>2</sup>, L. Mohapatra<sup>3</sup>, N. Kojkowski<sup>2</sup> and P. C. Mundy<sup>4</sup>, (1)Psychology, University of Miami, Coral Gables, FL, (2)University of Miami, Coral Gables, FL, United States, (3)University of Minnesota Medical Center, Minneapolis, MN, (4)MIND Institute, UC Davis, Sacramento, CA
- 9:00 **98 134.098** Differential Scanning of Core Facial Features In 12- and 18-Month-Old High Risk Infants. J. B. Wagner<sup>1</sup>, R. Luyster<sup>2</sup>, H. Tager-Flusberg<sup>3</sup> and C. A. Nelson<sup>4</sup>, (1)1 Autumn Street, AU 641, Children's Hospital Boston/Harvard Medical School, Boston, MA, (2)Laboratories of Cognitive Neuroscience, (3)Department of Psychology, Boston University, Boston, MA, (4)Laboratories of Cognitive Neuroscience, Harvard Medical School/Children's Hospital Boston, Boston, MA
- 10:00 **99 134.099** Face Benefit In Auditory-Only Speech and Speaker Recognition In Asperger Syndrome and High-Functioning Autism. S. Schelinski<sup>1</sup>, P. Riedel and K. von Kriegstein, Max Planck Research Group Neural Mechanisms of Human Communication, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany
- 11:00 **100 134.100** Differential Sensitivity to Synthetic Face Stimuli Across Viewpoint In Autism. K. Morin<sup>1</sup>, C. Habak<sup>2</sup>, H. R. Wilson<sup>3</sup>, A. Perreault<sup>1</sup>, L. Pagani<sup>4</sup>, L. Mottron<sup>5</sup> and A. Bertone<sup>1</sup>, (1)Perceptual Neuroscience Laboratory for Autism and Development, CETEDUM, Montréal, QC, Canada, (2)Institute of Geriatrics, University of Montréal, Montréal, QC, Canada, (3)Biological & Computational Vision, Toronto, ON, Canada, (4)School of Psycho-Education, University of Montreal, Montréal, QC, Canada, (5)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada
- 9:00 **101 134.101** SEARCH Strategies and Audiovisual Speech Perception in Children with Autism. L. N. Hancock<sup>1</sup> and J. M. Bebko<sup>2</sup>, (1)York University, Toronto, ON, Canada, (2)Department of Psychology, York University, Toronto, ON, Canada
- 10:00 **102 134.102** Facial Expression Perception In Relatives of ASD Children: Is There a Reliable Endophenotype?. C. Fiorentini<sup>1</sup>, C. M. Startin<sup>2</sup> and D. H. Skuse<sup>3</sup>, (1)London, England, United Kingdom, (2)Institute of Child Health, UCL, London, United Kingdom, (3)Institute of Child Health, London, United Kingdom
- 11:00 **103 134.103** Visual Scanning Strategies and Facial Identity Recognition In Autism Spectrum Disorder. E. Wilson<sup>1</sup>, J. Brock<sup>2</sup> and R. Palermo<sup>3</sup>, (1)London, England, United Kingdom, (2)Macquarie Centre for Cognitive Science, Macquarie University, Sydney, Australia, (3)Australian National University, Canberra, Australia
- 9:00 **104 134.104** High- and Low-Risk Six-Month-Olds' Visual Attention to Smiling and Neutral Faces: Effects of Smile Intensity and Infant Risk-Status. S. F. Hannigen<sup>1</sup>, K. Rump, K. M. Lynn and M. S. Strauss, Psychology, University of Pittsburgh, Pittsburgh, PA
- 10:00 **105 134.105** Where's Wendy? Toddlers with ASD Exhibit Limited Attentional Capture by Faces. M. Coffman<sup>1</sup>, F. Shic<sup>1</sup>, M. Meltvedt<sup>1</sup>, J. Bradshaw<sup>2</sup> and K. Chawarska<sup>1</sup>, (1)Yale University School of Medicine, New Haven, CT, (2)University of California - Santa Barbara, Santa Barbara, CA
- 11:00 **106 134.106** Diminished Attention to Faces In 6-Month Old Infants Later Diagnosed with ASD. F. Shic<sup>1</sup>, S. Macari and K. Chawarska, Child Study Center, Yale University School of Medicine, New Haven, CT
- 9:00 **107 134.107** Recognition of Context-Dependent Emotion In Autism. O. Tudusciuc<sup>1</sup> and R. Adolphs, Humanities and Social Sciences, Caltech, Pasadena, CA
- 10:00 **108 134.108** Diadochokinetic Rate and Accuracy In Autism Spectrum Disorders. J. J. Diehl<sup>1</sup>, J. Preston<sup>2</sup> and L. Bennetto<sup>3</sup>, (1)Center for Children and Families, University of Notre Dame, Notre Dame, IN, (2)Haskins Laboratories, New Haven, CT, (3)Department of Clinical & Social Sciences in Psychology, University of Rochester, Rochester, NY
- 11:00 **109 134.109** The Error-Related Negativity (ERN) In Response to Affect and Gender Face Processing In High Functioning Autism. C. Hileman<sup>1</sup> and H. A. Henderson<sup>2</sup>, (1)MIND Institute, Sacramento, CA, (2)University of Miami, Coral Gables, FL
- 9:00 **110 134.110** Immediate Recall of Faces with Positive Emotions Correlates with Density of Eye Movements During REM Sleep In Children with Autism. S. Tessier<sup>1</sup>, A. Lambert<sup>2,3,4</sup>, A. C. Rochette<sup>3,5,6</sup>, E. Chevrier<sup>6</sup>, P. B. Scherzer<sup>3</sup>, L. Mottron<sup>7,8,9</sup> and R. Godbout<sup>6,10,11</sup>, (1)Psychology, University du Quebec a Montreal, Montréal, QC, Canada, (2)Sleep Laboratory & Clinic, Hôpital Rivière-des-Prairies, Montreal, QC, Canada, (3)Psychology, Université du Québec à Montréal, Montréal, QC, Canada, (4)Centre de recherche Fernand-Seguin, Hôpital Rivière-des-Prairies, Montréal, QC, Canada, (5)Institut de recherche Fernand-Seguin, Montreal, QC, Canada, (6)Sleep Laboratory & Clinic, Hôpital Rivière-des-Prairies, Montréal, QC, Canada, (7)Autism Excellence Center, Hôpital Rivière-des-Prairies, Montréal, QC, Canada, (8)Psychiatry, Université de Montréal, Montréal, QC, Canada, (9)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada, (10)Psychiatry, Université de Montreal, Montreal, QC, Canada, (11)7070 Boul. Perras, Sleep Laboratory & Clinic, Montreal, QC, Canada

**Poster Sessions**

**134 - Perceptual and Motor Processing**

8:00 AM - 1:00 PM - Elizabeth Ballroom E-F and Litrenta Foyer Level 2

- 9:00 **111 134.111** Typical Patterns of Visual Filtering Among Children with ASD with Dynamic Presentation of Targets and Flankers. T. Dawkins<sup>1</sup>, D. Brodeur<sup>2</sup>, O. Landry<sup>3</sup>, S. Rishikof<sup>1</sup> and J. A. Burack<sup>1</sup>, (1)Dept. of Educational & Counselling Psychology, McGill University, Montreal, QC, Canada, (2)Dept. of Psychology, Acadia University, Wolfville, NS, Canada, (3)Dept. of Psychology, Dalhousie University, Halifax, NS, Canada
- 10:00 **112 134.112** Aiming and Catching Abilities Distinguish ASD From ADHD. L. J. Koenig<sup>1</sup>, M. M. Talley<sup>1</sup> and S. H. Mostofsky<sup>2</sup>, (1)Laboratory for Neurocognitive and Imaging Research, Kennedy Krieger Institute, Baltimore, MD, (2)Johns Hopkins School of Medicine, Kennedy Krieger Institute, Baltimore, MD
- 11:00 **113 134.113** Dynamic Allocation of Visual Resources In the First 6 Months. J. D. Jones<sup>1</sup>, A. Klin and W. Jones, Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA
- 9:00 **114 134.114** Imitation In a Large Cohort of Preschoolers with ASD: Measurement Structure and Correlates. I. M. Smith<sup>1</sup>, C. N. Lowe-Pearce<sup>2</sup>, T. Vaillancourt<sup>3</sup>, J. Volden<sup>4</sup>, S. Georgiades<sup>5</sup>, E. Duku<sup>6</sup>, P. Szatmari<sup>5</sup>, S. E. Bryson<sup>1</sup>, E. Fombonne<sup>6</sup>, P. Mirenda<sup>7</sup>, W. Roberts<sup>8</sup>, C. Waddell<sup>9</sup> and L. Zwaigenbaum<sup>4</sup>, (1)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (2)IWK Health Centre, Halifax, NS, Canada, (3)University of Ottawa, Ottawa, ON, Canada, (4)University of Alberta, Edmonton, AB, Canada, (5)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (6)Montreal Children's Hospital, Montreal, QC, Canada, (7)University of British Columbia, Vancouver, BC, Canada, (8)University of Toronto, Toronto, ON, Canada, (9)Simon Fraser University, Burnaby, BC, Canada
- 10:00 **115 134.115** No Maturational Effects In A Visuo-Tactile Cross-Modal Size Discrimination Task In ASD. E. M. Hahler<sup>1</sup>, J. Lecompte<sup>2</sup>, R. Doti<sup>1</sup> and J. Faubert<sup>1</sup>, (1)Visual Psychophysics and Perception Laboratory, University of Montreal, Montreal, QC, Canada, (2)The Canadian Institute for Neurointegrative Development (Giant Steps School), Montreal, QC, Canada
- 11:00 **116 134.116** Enhanced Perception of Pitch Direction In Young Adults with Autism Spectrum Disorder. K. L. Hyde<sup>1</sup>, N. E. Foster<sup>1</sup>, A. A. Simard-Meilleur<sup>2</sup> and L. Mottron<sup>2</sup>, (1)Research Institute of the Montreal Children's Hospital, McGill University, Montreal, QC, Canada, (2)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada
- 9:00 **117 134.117** The Forest and the Trees: Increased Sensitivity to Bilateral Symmetry In Autism. A. Perreault<sup>1</sup>, R. Gurnsey<sup>2</sup>, M. Dawson<sup>3</sup>, L. Mottron<sup>3</sup> and A. Bertone<sup>1</sup>, (1)Perceptual Neuroscience Laboratory for Autism and Development, CETEDUM, Montréal, QC, Canada, (2)Psychology, Concordia University, Montreal, QC, Canada, (3)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada

- 10:00 **118 134.118** Visual Search In Autism Spectrum Disorder: A Consistent Islet of Ability?. J. W. MacLeod<sup>1</sup>, S. E. Bryson<sup>2</sup> and R. M. Klein<sup>1</sup>, (1)Psychology, Dalhousie University, Halifax, NS, Canada, (2)Dalhousie University/IWK Health Centre, Halifax, NS, Canada
- 11:00 **119 134.119** Association of Tactile Symptoms with Core Features of Autism: Evidence From Direct Observation and Parent Report. J. H. Foss-Feig<sup>1</sup>, J. L. Heacock<sup>2</sup>, C. R. Jacobi<sup>2</sup> and C. J. Cascio<sup>3</sup>, (1)Vanderbilt University, Nashville, TN, United States, (2)Vanderbilt University, Nashville, TN, (3)Vanderbilt University School of Medicine, Nashville, TN
- 9:00 **120 134.120** Sensory Sensitivities In Children with ASD: A Qualitative Analysis. A. E. Robertson<sup>1</sup> and D. R. Simmons, University of Glasgow, Glasgow, United Kingdom
- 10:00 **121 134.121** Intersubjectivity and Understanding Motor Intentions: Evidence From Autism and Williams Syndrome. L. Sparaci<sup>1,2</sup>, S. Stefanini<sup>3</sup>, L. D'Elia<sup>2</sup>, G. Rizzolatti<sup>3</sup> and S. Vicari<sup>2</sup>, (1)Institute of Cognitive Sciences and Technologies (ISTC), National Research Council of Italy (CNR), Rome, Italy, (2)Department of Neuroscience, Children's Hospital Bambino Gesù, Rome, Italy, (3)Department of Neuroscience, University of Parma, Parma, Italy
- 11:00 **122 134.122** Stream Segregation In Autism: An Auditory Embedded Figures Task?. L. Bouvet<sup>1</sup>, S. Donnadieu<sup>2</sup>, L. Mottron<sup>3</sup> and S. Valdois<sup>1</sup>, (1)Laboratoire de Psychologie et Neurocognition, Université Pierre Mendès France, Grenoble, France, (2)Laboratoire de Psychologie et Neurocognition, Université de Savoie, Chambéry, France, (3)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada
- 9:00 **123 134.123** Sensory Seeking Behaviors and Orientation to Social and Non-Social Sensory Stimuli In Infant Siblings of Children with Autism Spectrum Disorders.  
**Moved to Poster Session 128, pg. 69**
- 10:00 **124 134.124** Induction of Contagious Yawning In Children with ASD with Gaze-Contingent Stimulus Display. S. Usui<sup>1</sup>, A. Senju<sup>2</sup>, Y. Kikuchi<sup>1</sup>, H. Akechi<sup>1</sup>, Y. Tojo<sup>3</sup>, H. Osanai<sup>4</sup> and T. Hasegawa<sup>1</sup>, (1)The University of Tokyo, Tokyo, Japan, (2)Birkbeck, University of London, London, United Kingdom, (3)Ibaraki University, (4)Musashino Higashi Gakuen, Musashino-shi, Tokyo, Japan
- 11:00 **125 134.125** The Relationship Between Motor Demands and Processing Speed In High Functioning Children with Autism Spectrum Disorders. R. Weinblatt<sup>1</sup>, L. Kenworthy<sup>1</sup>, M. C. Wills<sup>3</sup>, G. L. Wallace<sup>2</sup> and B. Yerys<sup>1</sup>, (1)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (2)NIMH, Bethesda, MD
- 9:00 **126 134.126** The Relationship Between Pitch Discrimination and Enhanced Local Processing of Melodies In Autism. A. A. S. Meilleur<sup>1</sup>, C. Paquin-Hodge<sup>1</sup>, A. Bertone<sup>2</sup> and L. Mottron<sup>1</sup>, (1)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada, (2)Perceptual Neuroscience Laboratory for Autism and Development, CETEDUM, Montréal, QC, Canada

- 10:00 **127 134.127** Follow-up Studies of 4- to 6-Year-Old Siblings of Children with Autism Spectrum Disorders: Visual Contrast Sensitivity, Faces Vs. Objects, and Theory of Mind Tasks. M. McIntire<sup>1</sup>, P. Pallett<sup>2</sup>, L. J. Carver<sup>3</sup> and K. R. Dobkins<sup>3</sup>, (1)University of California, San Diego, La Jolla, CA, (2)Dartmouth College, Hanover, NH, (3)University of California, San Diego, La Jolla, CA
- 11:00 **128 134.128** Perceptual Differences Between Young Adults with Autism and Their Parents. S. K. Kapp<sup>1</sup>, A. Gantman<sup>2</sup> and E. A. Laugeson<sup>3</sup>, (1)Moore Hall, Box 951521, University of California, Los Angeles, Los Angeles, CA, (2)UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA, United States, (3)UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA
- 9:00 **129 134.129** Auditory Discrimination and Lateralization In ASD. A. Bhatara<sup>1</sup> and Y. S. Sininger<sup>2</sup>, (1)Laboratoire Psychologie de la Perception, Université Paris Descartes, Paris, France, (2)Head & Neck Surgery, David Geffen School of Medicine, UCLA, Los Angeles, CA
- 10:00 **130 134.130** Inattentional Blindness and Perceptual Capacity In Children with An Autism Spectrum Condition. J. Swettenham<sup>1</sup>, A. Remington, P. Murphy, M. Feurstein, K. Grim and N. Lavie, Psychology and Language Science, University College London, London, United Kingdom
- 11:00 **131 134.131** Relationship Between Performance on a Visual Search Task and Autistic Symptomology. K. Armstrong<sup>1</sup>, J. McDonald<sup>1</sup> and G. Iarocci<sup>2</sup>, (1)Psychology, Simon Fraser University, Burnaby, BC, Canada, (2)Psychology, Simon Fraser University, Burnaby, BC, Canada
- 9:00 **132 134.132** Visual Motion Processing In Autism Spectrum Disorders: Exploring the Profile of Ability Across a Hierarchy of Tasks. C. Jones<sup>1</sup>, T. Charman<sup>1</sup>, J. Swettenham<sup>2</sup>, A. J. S. Marsden<sup>3</sup>, J. Tregay<sup>3</sup>, G. Baird<sup>4</sup>, E. Simonoff<sup>5</sup> and F. Happe<sup>5</sup>, (1)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (2)Psychology and Language Science, University College London, London, United Kingdom, (3)UCL Institute of Child Health, London, United Kingdom, (4)Guy's Hospital, London, United Kingdom, (5)Institute of Psychiatry, KCL, London, United Kingdom
- 10:00 **133 134.133** Effects of Contingency on Social Visual Engagement In Infants at High- and Low-Risk for ASD. P. Lewis<sup>1</sup>, J. Emmons-Garzarek<sup>2</sup>, J. B. Northrup<sup>3</sup>, J. Paredes<sup>4</sup>, W. Jones<sup>1</sup> and A. Klin<sup>1</sup>, (1)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA, (2)Yale University School of Medicine, New Haven, CT, (3)University of Pittsburgh, Pittsburgh, PA, (4)Yale University Child Study Center, New Haven, CT
- 11:00 **134 134.134** Children with Autism Show Enhanced Proprioceptive-Guided Motor Learning. M. E. Ranta<sup>1</sup> and S. H. Mostofsky<sup>2</sup>, (1)Laboratory for Neurocognitive and Imaging Research, Kennedy Krieger Institute, Baltimore, MD, (2)Johns Hopkins School of Medicine, Kennedy Krieger Institute, Baltimore, MD
- 9:00 **135 134.135** The Influence of Perceived Gaze Cues on Elementary Sound Perception In Individuals with Autism. J. I. Borjon<sup>1</sup>, S. V. Shepherd<sup>2</sup>, W. Jones<sup>1</sup>, A. Klin<sup>1</sup> and A. A. Ghazanfar<sup>2</sup>, (1)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA, (2)Neuroscience Institute, Princeton University, Princeton, NJ
- 10:00 **136 134.136** Imitation In Young Children with Autism Spectrum Disorders. C. Wong<sup>1</sup>, FPG Child Development Institute, UNC Chapel Hill, Chapel Hill, NC
- 11:00 **137 134.137** The Balance of Intended and Spontaneous Modes of Movement Control Is Atypical In Young Children with ASD. R. W. Isenhour<sup>1</sup> and E. B. Torres<sup>2</sup>, (1)Department of Psychology, Rutgers University, Piscataway, NJ, (2)Psychology-Cognitive Science-Computer Science, Rutgers University, Piscataway, NJ
- 9:00 **138 134.138** Exploring Intermodal Perception In Children with Asperger Syndrome Using a Preferential Looking Task. S. M. Brown<sup>1</sup>, J. M. Bebko<sup>1</sup>, L. Saleh<sup>2</sup>, J. H. Schroeder<sup>3</sup> and J. A. Weiss<sup>1</sup>, (1)Department of Psychology, York University, Toronto, ON, Canada, (2)Psychology, York University, Toronto, ON, Canada, (3)Psychology, York University, Toronto, ON, Canada
- 10:00 **139 134.139** Spatial Navigation In Children with ASD: An Examination of Search Strategy Sub-Types. N. M. Ing<sup>1</sup>, M. Robbets, S. Malcolm-Smith and K. Thomas, Psychology, University of Cape Town, Cape Town, South Africa
- 11:00 **140 134.140** Inducing Change In Visual Scanning of Natural Scenes In Infants with ASD by Manipulating Physical Contingencies. A. Trubanova<sup>1</sup>, J. B. Northrup<sup>2</sup>, D. Lin<sup>3</sup>, A. Klin<sup>1</sup>, W. Jones<sup>1</sup> and G. Ramsay<sup>1</sup>, (1)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA, (2)University of Pittsburgh, Pittsburgh, PA, (3)Harvard Medical School, Boston, MA
- 9:00 **141 134.141** Atypical Patterns of Motor Variability and Error Correction In ASD Individual Performing Repetitions of Complex Movements. E. B. Torres<sup>1</sup>, Psychology-Cognitive Science-Computer Science, Rutgers University, Piscataway, NJ
- 10:00 **142 134.142** Two Ends of Coinciding Continuums: Visuospatial Processing Style and Social Functioning In Autism and Down Syndrome. E. S. Kuschner<sup>1</sup>, L. Bennetto<sup>2</sup> and S. L. Hyman<sup>3</sup>, (1)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (2)Department of Clinical & Social Sciences in Psychology, University of Rochester, Rochester, NY, (3)Department of Neurodevelopmental and Behavioral Pediatrics, University of Rochester School of Medicine, Rochester, NY
- 11:00 **143 134.143** Equivalent Visual Sensitivity to Human, Animal and Object Motion In Children with Autism Spectrum Disorder. S. Peters<sup>1</sup>, M. D. Kaiser<sup>2</sup>, Z. Fermano<sup>3</sup>, D. R. Sugrue<sup>2</sup> and M. Shiffrar<sup>1</sup>, (1)Psychology Department, Rutgers University, Newark, NJ, (2)Child Study Center, Yale University, New Haven, CT, (3)Department of Genetics, Rutgers University, Piscataway, NJ
- 9:00 **144 134.144** Visual Search In Low Risk Infants and In the Infant Siblings of Children with Autism: The Role of Fixation Duration. E. Goldknopf<sup>1</sup>, K. Gillespie-Lynch<sup>2</sup>, A. Marroquin<sup>3</sup>, M. Sigman<sup>3</sup>, T. Hutman<sup>4</sup> and S. P. Johnson<sup>5</sup>, (1)Psychology, University of California, Los Angeles, Los Angeles, CA, (2)Psychology, UCLA, Los Angeles, CA, (3)University of California, Los Angeles, Los Angeles, CA, (4)Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA, (5)UCLA, Los Angeles, CA
- 10:00 **145 134.145** Associations of Dyspraxia with Impaired Adaptive Behavior In Children with Autism. J. Foster<sup>1</sup>, M. M. Talley<sup>2</sup> and S. H. Mostofsky<sup>3</sup>, (1)Baltimore, MD, (2)Laboratory for Neurocognitive and Imaging Research, Kennedy Krieger Institute, Baltimore, MD, (3)Johns Hopkins School of Medicine, Kennedy Krieger Institute, Baltimore, MD

1:15-3:15P	IES: The Role of the Amygdala in Mediating Anxiety and Core Deficits in Patients with Autism Spectrum Disorders (Elizabeth Ballroom A-C Lvl 2)		
1:15-3:15P	Oral Sessions: Structural and Functional Brain Imaging in Older Children, Adolescents and Adults with ASD (Elizabeth Ballroom D Lvl 2)	Oral Sessions: Interventions: Behavioral CAM and Psychopharmacology Treatments (Elizabeth Ballroom G-H Lvl 2)	Oral Sessions: Infants with Autism and Infant Siblings (Douglas Pavilion A Lvl 1)

**Invited Educational Symposium**  
**135 - The Role of the Amygdala In Mediating Anxiety and Core Deficits In Patients with Autism Spectrum Disorders**  
 1:15 PM - 3:15 PM - Elizabeth Ballroom A-C

*Session Chair: D. Stephenson; Pfizer Inc.*

Anxiety often complicates the clinical picture of children and adolescents with autism and contributes to additional impairment. When present, anxiety also poses additional challenges to family members and caregivers, and may interfere with behavioral and educational interventions. Drugs that are commonly used to treat anxiety disorders (e.g., generalized anxiety disorder, panic disorder) have not been well-studied in individuals with autism. Given the common occurrence of anxiety in autism, it represents an unmet need. This unmet need presents an imperative and an opportunity to develop and test novel anti-anxiety medications. To begin addressing this challenge, it is critical to identify and understand the neural substrates of anxiety in patients with autism. The amygdala is a key brain region associated with emotion, with a primary role in fear and anxiety. Recent evidence suggests that the amygdala may show pathophysiological changes in autism, and that these changes may be linked to the core behavioral deficits of autism. This workshop focuses on recent advances in our understanding of the role of the amygdala in autism. The goal is to examine the structure and function of the amygdala in order to define their relevance to anxiety and core deficits in autism patients. This topic will be reviewed with an integrated educational symposium of panel experts that spans preclinical and clinical research.

- 1:15 **135.001** Investigation of Synaptic Plasticity Deficits in a Preclinical Model of Fragile X Syndrome. S. Chattarji, National Center for Biological Sciences, Bangalore, India
- 1:45 **135.002** Neuropathology of the Amygdala in Autism. C. M. Schumann, UC Davis MIND Institute, Sacramento, CA
- 2:15 **135.003** Neuroimaging of the Amygdala in Autism. K. A. Pelphrey, Child Study Center, Yale University, New Haven, CT
- 2:45 **135.004** The Clinical Face of Anxiety in Autism. L. Scahill, Yale University School of Medicine, New Haven, CT

**Oral Sessions**  
**136 - Structural and Functional Brain Imaging In Older Children, Adolescents and Adults with ASD**  
 1:15 PM - 3:15 PM - Elizabeth Ballroom D

*Session Chair: M. Dapretto; UCLA*

- 1:15 **136.001** Longitudinal Changes of Heschl's Gyrus Volume In ASD and Typical Development. M. B. DuBray<sup>1</sup>, E. D. Bigler<sup>2</sup>, P. T. Fletcher<sup>3</sup>, A. L. Alexander<sup>4</sup>, A. Froehlich<sup>5</sup>, K. M. Maasberg<sup>6</sup>, E. Papadopoulos<sup>7</sup>, B. A. Zielinski<sup>8</sup>, N. Lange<sup>9</sup> and J. E. Lainhart<sup>10</sup>, (1)Interdepartmental Program in Neuroscience, University of Utah, Salt Lake City, UT, (2)Psychology and Neuroscience, Brigham Young University, Provo, UT, (3)School of Computing, University of Utah, SLU, UT, (4)Medical Physics and Psychiatry, University of Wisconsin, Madison, WI, (5)Psychiatry, University of Utah, Salt Lake City, UT, (6)School of Medicine, University of Utah, Salt Lake City, UT, (7)Mechanical Engineering, University of Utah, Salt Lake City, UT, (8)Pediatric Neurology, University of Utah, Salt Lake City, UT, (9)Psychiatry and Biostatistics, Harvard University, Cambridge, MA, (10)Psychiatry, Interdepartmental Program in Neuroscience, University of Utah, Salt Lake City, UT
- 1:30 **136.002** Thalamocortical Connectivity In Autism Spectrum Disorder: A Probabilistic DTI Tractography Study. A. Nair<sup>1</sup>, D. K. Shukla<sup>2</sup>, J. Treiber<sup>2</sup>, B. Keehn<sup>1</sup> and R. A. Muller<sup>2</sup>, (1)San Diego State University / University of California, San Diego, CA, (2)San Diego State University, San Diego, CA
- 1:45 **136.003** Amygdala Connectivity with Frontal Mirror Neuron Areas Relates to Empathic Traits In Typically Developing Children and Children with Autism. E. M. Kilroy<sup>1</sup>, J. D. Rudie<sup>1</sup>, N. L. Colich<sup>1</sup>, L. M. Hernandez<sup>1</sup>, S. Y. Bookheimer<sup>2</sup>, M. Iacoboni<sup>3</sup> and M. Dapretto<sup>1,2</sup>, (1)Brain Mapping Center, University of California, Los Angeles, Los Angeles, CA, (2)Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, Los Angeles, CA, (3)UCLA, Los Angeles, CA
- 2:00 **136.004** Neuroimaging Signatures of Autism In Siblings. M. D. Spencer<sup>1</sup>, R. J. Holt<sup>1</sup>, L. R. Chura<sup>1</sup>, J. Suckling<sup>2</sup>, E. T. Bullmore<sup>2</sup> and S. Baron-Cohen<sup>1</sup>, (1)Department of Psychiatry, Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (2)Department of Psychiatry, Brain Mapping Unit, University of Cambridge, Cambridge, United Kingdom

- 2:15 **136.005** Neural Correlates of Impaired Processing of Communicative Auditory Stimuli In Children with ASD. R. H. Bennett<sup>1</sup>, S. Shultz<sup>1</sup>, A. M. Berken<sup>2</sup> and K. A. Pelphrey<sup>1</sup>, (1)Child Study Center, Yale University, New Haven, CT, (2)University of Connecticut School of Medicine, Farmington, CT
- 2:30 **136.006** Individuals with ASD and Co-Occurring Anxiety Show Increased Amygdala and Orbitofrontal Cortex Activity During Face Perception. J. M. Taylor<sup>1</sup>, R. T. Schultz<sup>1</sup>, M. Riley<sup>1</sup>, E. T. Hunyadi<sup>1</sup>, J. Letzen<sup>1</sup> and J. D. Herrington<sup>1</sup>, Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA
- 2:45 **136.007** Bottom-up or Top-Down?: An Investigation of Perceptual Processing In ASD Using Dichotic Pitch. V. Lodhia<sup>1</sup>, C. Nelumdeniya<sup>1</sup>, J. P. Hamm<sup>1</sup>, B. W. Johnson<sup>2</sup>, J. Brock<sup>2</sup> and M. J. Hautus<sup>1</sup>, (1)Research Centre for Cognitive Neuroscience, Department of Psychology, University of Auckland, Auckland, New Zealand, (2)Macquarie Centre for Cognitive Science, Macquarie University, Sydney, Australia
- 3:00 **136.008** Brain Network-Based Analysis of Autism Using Diffusion Tensor Imaging. H. Li<sup>1</sup>, Z. Xue<sup>1</sup>, T. M. Ellmore<sup>2</sup>, R. E. Frye<sup>2</sup>, B. Malmberg<sup>2</sup> and S. T. Wong<sup>1</sup>, (1)Bioengineering and Bioinformatics Program, The Methodist Hospital Research Institute, Weill Cornell Medical College, Houston, TX, (2)University of Texas Houston Health Science Center, Houston, TX
- 2:00 **137.004** Accelerating the Pace of Treatment Research In Autism Spectrum Disorder. L. A. Vismara<sup>1</sup>, G. S. Young<sup>2</sup> and S. J. Rogers<sup>1</sup>, (1)UC Davis MIND Institute, Sacramento, CA, (2)Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA
- 2:15 **137.005** Designing Social Competence Interventions for Adolescents with Autism: The SCI Project. J. P. Stichter<sup>1</sup>, K. Lierheimer<sup>1</sup>, T. R. Schultz<sup>2</sup> and M. Herzog<sup>3</sup>, (1)University of Missouri, Columbia, MO, United States, (2)303 Townsend, University of Missouri, Columbia, MO, (3)University of Missouri, Columbia, MO
- 2:30 **137.006** Supplemental Melatonin Decreases Time to Fall Asleep IN Children with AUTISM. B. A. Malow<sup>1</sup>, S. G. McGrew<sup>2</sup>, C. P. Burnette<sup>3</sup>, K. Adkins<sup>1</sup>, S. E. Goldman<sup>1</sup>, D. Wofford<sup>1</sup>, K. L. Surdyka<sup>1</sup>, D. Fawkes<sup>1</sup> and L. Wang<sup>4</sup>, (1)Neurology/Sleep, Vanderbilt Medical Center, Nashville, TN, (2)Pediatrics, Monroe Carell Children's Hospital at Vanderbilt, Nashville, TN, (3)Department of Pediatrics, University of New Mexico, Albuquerque, NM, (4)Biostatistics, Vanderbilt University, Nashville, TN
- 2:45 **137.007** Persistence of Complementary and Alternative Medicine (CAM) Use In ASD. S. L. Hyman<sup>1</sup>, L. Cole<sup>2</sup>, A. M. Reynolds<sup>3</sup>, T. Clemons<sup>4</sup> and D. L. Coury<sup>5</sup>, (1)Department of Neurodevelopmental and Behavioral Pediatrics, University of Rochester School of Medicine, Rochester, NY, (2)Box 671, University of Rochester, Rochester, NY, (3)University of Colorado Denver, Aurora, CO, (4)EMMES Corp, Rockville, MD, (5)Nationwide Children's Hospital, Columbus, OH
- 3:00 **137.008** Effects of STX209 (arbaclofen) on Social and Communicative Function In ASD: Results of An 8-Week Open-Label Trial. P. Wang<sup>1</sup>, C. A. Erickson<sup>2</sup>, L. Ginsberg<sup>3</sup>, B. Rathmell<sup>4</sup>, M. Cherubini<sup>5</sup>, P. Zarevics<sup>6</sup> and B. King<sup>7</sup>, (1)Seaside Therapeutics, Cambridge, MA, (2)Indiana University School of Medicine, Indianapolis, IN, (3)Red Oak Psychiatry Associates, Houston, TX, (4)Seaside Therapeutics, LLC, Cambridge, MA, (5)Seaside Therapeutics, Inc., Cambridge, MA, (6)Seaside Therapeutics, Cambridge, MA, (7)University of Washington and Seattle Children's Hospital, Seattle, WA

**Oral Sessions**

**137 - Interventions: Behavioral, CAM and Psychopharmacology Treatments**

1:15 PM - 3:15 PM - Elizabeth Ballroom G-H

*Session Chair: C. Kasari; University of California, Los Angeles*

- 1:15 **137.001** Intervention Research with Toddlers at High-Risk for Autism: Lessons Learned by the Autism Speaks Toddler Treatment Network. L. Morgan<sup>1</sup>, L. Turner-Brown<sup>2</sup>, M. J. Siller<sup>3</sup>, G. T. Baranek<sup>4</sup> and C. Kasari<sup>5</sup>, (1)Autism Institute, Florida State University, Tallahassee, FL, (2)Psychology, University of North Carolina, Chapel Hill, NC, (3)Hunter College of the City University of New York, New York, NY, (4)University of North Carolina at Chapel Hill, Chapel Hill, NC, (5)University of California, Los Angeles, Los Angeles, CA
- 1:30 **137.002** Treatment as Usual In Early Intervention: Control Group or Legitimate Contender?. A. M. Steiner<sup>1</sup>, A. Snow<sup>1</sup> and K. Chawarska<sup>1</sup>, Yale University School of Medicine, New Haven, CT
- 1:45 **137.003** Early Intervention and Its Effects on the Development of Infant Siblings of Children with Autism. S. L. Marshall<sup>1</sup>, K. Gillespie-Lynch<sup>2</sup>, G. Park<sup>3</sup>, M. Sigman<sup>4</sup>, S. P. Johnson<sup>3</sup> and T. Hutman<sup>5</sup>, (1)UCLA, Los Angeles, CA, (2)Psychology, UCLA, Los Angeles, CA, (3)University of California, Los Angeles, Los Angeles, CA, (4)University of California, Los Angeles, Los Angeles, CA, United States, (5)Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA



**Oral Sessions**

**138 - Infants with Autism and Infant Siblings**

1:15 PM - 3:15 PM - Douglas Pavilion A

*Session Chair:* L. Zwaigenbaum; *University of Alberta*

1:15 **138.001** A Comparison of Behavioral Markers Of ASD In a High-Risk Infant Cohort Based on Cognitive Level at 3 Years. L. Zwaigenbaum<sup>1</sup>, S. E. Bryson<sup>2</sup>, I. M. Smith<sup>2</sup>, P. Szatmari<sup>3</sup>, J. Brian<sup>4</sup>, W. Roberts<sup>4</sup>, C. Roncadin<sup>5</sup> and T. Vaillancourt<sup>6</sup>, (1)Pediatrics, University of Alberta, Edmonton, AB, Canada, (2)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (3)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (4)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (5)Peel Children's Centre, Mississauga, ON, Canada, (6)University of Ottawa, Ottawa, ON, Canada

1:30 **138.002** Stability of AUTISM Spectrum Diagnoses within a High-RISK Longitudinal Cohort. W. Roberts<sup>1</sup>, L. Zwaigenbaum<sup>2</sup>, J. A. Brian<sup>3</sup>, S. E. Bryson<sup>4</sup>, I. M. Smith<sup>4</sup>, P. Szatmari<sup>5</sup> and C. Roncadin<sup>6</sup>, (1)University of Toronto, Toronto, ON, Canada, (2)Pediatrics, University of Alberta, Edmonton, AB, Canada, (3)Bloorview Research Institute, Toronto, ON, Canada, (4)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (5)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (6)Peel Children's Centre, Mississauga, ON, Canada

1:45 **138.003** Intact Early Gaze Following In Infants at High Risk for Autism Spectrum Disorders. R. Bedford<sup>1</sup>, M. Elsabbagh<sup>2</sup>, A. Senju<sup>2</sup>, T. Gliga<sup>2</sup>, A. Pickles<sup>3</sup>, T. Charman<sup>1</sup>, M. H. Johnson<sup>4</sup> and .. The BASIS Team<sup>5</sup>, (1)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (2)Centre for Brain and Cognitive Development, Birkbeck, London, United Kingdom, (3)Institute of Psychiatry, London, United Kingdom, (4)Centre for Brain and Cognitive Development, Birkbeck, University of London, London, United Kingdom, (5)BASIS, London, United Kingdom

2:00 **138.004** Diagnostic Indicators of Autism Spectrum Disorders In the First Six Months of Life. A. Klin<sup>1</sup> and W. Jones, Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA

2:15 **138.005** The Development of Multimodal Communication In Infants at High Risk for Autism Spectrum Disorders. M. V. Paradé<sup>1</sup>, K. Schuessler and J. M. Iverson, University of Pittsburgh, Pittsburgh, PA

2:30 **138.006** Maternal Responses to Vocal Bids of Infants at High Versus Low Risk for Autism. D. M. Butler<sup>1</sup>, N. B. Leezenbaum, J. B. Northrup, S. Campbell and J. M. Iverson, University of Pittsburgh, Pittsburgh, PA

2:45 **138.007** Reduced Attention to Social Content In Preverbal Infants at Risk for Autism. S. P. Johnson<sup>1</sup>, K. Gillespie<sup>2</sup>, M. C. Frank<sup>3</sup>, W. Frankenhuys<sup>1</sup>, S. S. Jeste<sup>4</sup>, M. Dapretto<sup>5</sup> and T. Hutman<sup>4</sup>, (1)UCLA, Los Angeles, CA, (2)University of California, Los Angeles, Los Angeles, CA, (3)Stanford University, Palo Alto, CA, (4)Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA, (5)Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, CA

3:00 **138.008** Joint Attention Predicts Adaptive Behavior Development In Infants with and without ASD. T. Hutman<sup>1</sup>, L. Gomez<sup>2</sup>, K. Gillespie-Lynch<sup>3</sup>, A. Rozga<sup>4</sup>, M. Sigman<sup>2</sup> and S. P. Johnson<sup>5</sup>, (1)Room 68-237, University of California, Los Angeles, CA, (2)University of California, Los Angeles, CA, United States, (3)Psychology, UCLA, Los Angeles, CA, (4)85 5th Street, NW, Georgia Institute of Technology, Atlanta, GA, United States, (5)University of California, Los Angeles, CA

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
<b>A</b>					
Aaronson, B. , University of Washington	ba1@u.washington.edu	<b>110.072</b>	AIMS Consortium, M. , University of Oxford, University of Cambridge, Institute of Psychiatry	declan.murphy@kcl.ac.uk	105.170
Aase, H. , Norwegian Institute of Public Health	heaa@fhi.no	110.148	Akechi, H. , The University of Tokyo	akechi@darwin.c.u-tokyo.ac.jp	134.124
Abbacchi, A. , Washington University School of Medicine	abbaccha@psychiatry.wustl.edu	<b>110.154</b>	Akshoomoff, N. , Ph.D., University of California, San Diego	natacha@ucsd.edu	116.086, <b>116.128</b>
Abbeduto, L.	abbeduto@waisman.wisc.edu	116.134, 134.032, 134.071	Al-Farsi, O. , Sultan Qaboos University	yfmfarsi@squ.edu.om	110.131
Abdallah, M. , MD, MPH, Statens Serum Institut	morsiwabdallah@gmail.com	<b>131.005</b>	Al-Farsi, Y. , PhD, Sultan Qaboos University	yfmfarsi@squ.edu.om	110.015, 110.016
Abdullah, M. , University of California, Irvine	maryam.abdullah@uci.edu	<b>128.057</b>	Al-Khaduri, M. , Sultan Qaboos University	yfmfarsi@squ.edu.om	110.131
Abildskov, T. , BYU	tracya@cortex.byu.edu	120.007	Al-Noor, Z. , University College London	zainab.al-noor.09@ucl.ac.uk	116.045
Abowd, G. D. , Georgia Institute of Technology	abowd@cc.gatech.edu	116.095, 116.111, 116.141	Al-Rawi, F. , FRCPCH, Hamad Medical Corporation	fadhilaalrawi@yahoo.com	110.116, 116.097
Abrahams, B. , PhD, Albert Einstein College of Medicine	brett.abrahams@gmail.com	104.001, 110.021	Al-Shafae, M. , Sultan Qaboos University	shafae4@omantel.net.om	110.016, 110.131
Abramson, R. , PhD, University of South Carolina	ruth.abramson@uscmed.sc.edu	105.172, 110.053, 110.054, 114.005, 116.105	Al-Sharbatil, M. , MD, PhD, Sultan Qaboos University	marwan@squ.edu.om	110.015, 110.016, 110.017, 110.131
Abrigo, E. , M.S., Drexel University	eah48@drexel.edu	<b>128.108</b>	Alaimo, C. , Univ. of California Davis	cpalaimo@ucdavis.edu	131.004
Abu-Doheim, N. , King Faisal Specialist Hospital and Research Center	abudhaim85@yahoo.com	110.055	Albinali, F. , Ph.D., Massachusetts Institute of Technology	albinali@MIT.EDU	116.156
Accardo, J.	accardo@kennedykrieger.org	<b>128.191</b>	Albores-Gallo, L. , MD PhD, Hospital Psiquiatrico Infantil	lilialbores@gmail.com	105.164, 105.175, <b>128.122</b>
Acevedo, S. , PhD, Ponce School of Medicine	sumacea@yahoo.com	110.057	Alcorn, A. , University of Edinburgh	aalcorn@staffmail.ed.ac.uk	116.180
Ackerman, M. , Yale University School of Medicine	marilyn.ackerman@yale.edu	<b>110.193</b>	Aldenderfer, R. , Children's Mercy Hospital and University of Missouri-Kansas City	raldenderfer@cmh.edu	124.007
Adamek, L. , PhD, UC San Diego	ladamek@notes.cc.sunysb.edu	105.086, <b>105.133</b> , 134.012	Alderson-Day, B. , MA, MSc, The University of Edinburgh	b.d.alderson-day@sms.ed.ac.uk	<b>134.065</b>
Adams, G. , M.A., UCLA	gfadams@ucla.edu	<b>128.157</b>	Aldosari, M. , King Faisal Specialist Hospital and Research Center	maldosari2008@gmail.com	110.055
Adams, J.	jim.adams@asu.edu	<b>128.168</b>	Aldred, C. , University of Manchester	craldred@tiscali.co.uk	105.109
Adams, M. , MarcusAutism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	meig.adams@choa.org	<b>105.076</b>	Alessandri, M. , Ph.D., University of Miami	malessandri@miami.edu	105.031, 116.139
Adams, N. , Post, Doc, University of Alabama	ncadams@ua.edu	<b>134.040</b>	Alexander, A. , Ph. D., University of Wisconsin	alalexander2@wisc.edu	110.190, 116.030, 116.065, 120.007, 136.001
Adamson, L. , Georgia State University	ladamson@gsu.edu	110.144, <b>128.107</b>	Alexander, K. , The Ivy Mount School	kt.c.alexander@gmail.com	105.078
Addington, A. , Ph.D., NIMH, NIH	addington_anjene@bah.com	114.004	Alfarsi, Y. , Sultan Qaboos University	yfmfarsi@squ.edu.om	110.017, <b>110.131</b>
Adi, A. , King Faisal Specialist Hospital and Research Center, King Faisal Specialist Hospital and Research Center	ahmadadi@hotmail.com	110.055	Algermissen, M. , Ph.D., Columbia University, NYS Psychiatric Institute	algermim@childpsych.columbia.edu	116.150
Adini, Y. , PhD, Vision Research Inst.	badini1@zahav.net.il	110.001	Ali, A. , Sultan Qaboos University	amanat@squ.edu.om	<b>110.015</b> , 110.016, 110.017
Adkins, K. , Vanderbilt Medical Center	karen.adkins@vanderbilt.edu	<b>105.126</b> , 115.007, 137.006	Al Ismail, M. , Qatar University	200658760@qu.edu.qa	110.116, 116.097
Adolphs, R. , PhD, Caltech	radolphs@hss.caltech.edu	110.081, 116.043, 116.069, <b>123.002</b> , 128.073, 134.074, 134.084, 134.107	Allayee, H. , University of Southern California Keck School of Medicine	hallayee@usc.edu	110.133
Agnew, J.	john.agnew@colorado.edu	<b>105.105</b> , 116.126	Allison, C. , Autism Research Centre	cla29@cam.ac.uk	<b>110.156</b> , 134.013
Ahrens-Barbeau, C. , University of California, San Diego	cahrensbarbeau@ucsd.edu	120.003, 124.005	Almuslamani, A. , King Faisal Specialist Hospital and Research Center	aalmuslamani@gmail.com	110.055
Ahrens-barbeau, C. , San Diego ACE	clelia.ahrensbarbeau@gmail.com	110.052	Alpert-Gillis, L. , Ph.D., University of Rochester Medical Center	Linda_AlpertGillis@URMC.Rochester.edu	105.073
Aims, M. , Institute of Psychiatry, London; University of Oxford; University of Cambridge, United Kingdom	MRCAIMS@kcl.ac.uk	116.063, 133.007	Alsaker Roti, E. , Norwegian Institute of Public Health	elal@fhi.no	110.148
			Al Salehi, S. , King Fahd Medical City	ssnm3@hotmail.com	<b>110.134</b>
			Al Tassan, N.	naltassan@kfshrc.edu.sa	110.055

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Altgassen, M. , Technische Universitaet Dresden	altgassen@psychologie.tu-dresden.de	134.054	Armstrong, V. , IWK Health Centre / Dalhousie University	vickie.armstrong@iwk.nshealth.ca	134.026
Altschuler, T. S. , The Children's Research Unit (CRU), Program in Cognitive Neuroscience, City College of New York	UrsaTed@hotmail.com	110.077, 110.078	Arneson, C.	clarneso@wisc.edu	118.006
Alvarado, L. , M.D., St. Luke's Memorial Hospital	lalvarado@psm.edu	110.057	Arnold, L. E. , Ohio State University	arnold.6@embarqmail.com	105.128, 113.002
Aman, M. , Ohio State University	aman.1@osu.edu	105.118, 105.128, 113.002	Aronov, P. , Stanford University	aronov@stanford.edu	110.008
Amaral, D. , UC Davis M.I.N.D. Institute	dgamaral@ucdavis.edu	116.039, 116.048, 116.072	Arora, T. , Doctorate, credential	tarora@csulb.edu	128.093
Amat, K. , University of Strahclyde	kha_mppm@yahoo.com.sg	110.166	Arriaga, R. , Georgia Institute of Technology	arriaga@cc.gatech.edu	116.095, 116.111, 116.141
Ameis, S. , University of Toronto	stephameis@gmail.com	116.067	Arroyo, M. , Developmental Neuropsychology Lab at Georgia State University	marisa.arroyo@gatech.edu	128.143
Ames, M. , York University	mames@yorku.ca	105.081	Artu, A. , University of Washington	artuaa@uw.edu	103.003
Amir, N. , Dr, Tel-Aviv University	noama@post.tau.ac.il	134.089	Ascherio, A. , M.D., Sc.D.	aascheri@hsph.harvard.edu	110.122
Amodeo, D. , MA, University of Illinois at Chicago	damode2@uic.edu	110.030	Asghar, S. , MD, MSc, UAMS, Arkansas Childrens Hospital	asgharsheilaj@uams.edu	128.184
Amraotkar, A. , Kelly Autism Program, Western Kentucky University	alokamraotkar@rediffmail.com	105.112	Ashburner, J. , Dr, Autism Queensland	jillashburner@autismqld.com.au	116.099
Anagnostou, E. , Holland Bloorview Kids Rehabilitation Hospital	emmagaillduerden@gmail.com	105.106, 105.115, 116.017, 116.050, 116.067	Asherson, P.	philip.asherson@kcl.ac.uk	134.029
Anderson, B. , Vanderbilt University	banderson@illumina.com	110.053	Ashwin, E. , Dr	ela21@bath.ac.uk	134.081
Anderson, C.	cjanders@ku.edu	116.164	Ashwood, K. , Institute of Psychiatry	karen.ashwood@iop.kcl.ac.uk	134.029
Anderson, C. , PhD., Kennedy Krieger Institute	andersonco@kennedykrieger.org	110.038, 116.118, 116.125	Ashwood, P. , University of California, Davis, MIND Institute	pashwood@ucdavis.edu	110.018, 128.166
Anderson, J. , M. D., Ph. D., University of Utah	andersonjeffs@gmail.com	116.030, 116.065	Atkinson, J. , B.S., UCLA	jessica.atkinson1@gmail.com	116.140
Anderson, S. , Georgia State University	sanderson31@student.gsu.edu	134.078	Attucci, C. , Institute of Education	claudia.attucci@gmail.com	134.063
Anderson, T. , Mount Sinai School of Medicine	tonya.anderson@mssm.edu	110.022	Atwell, C. , PhD., Simons Foundation	connie.atwell@gmail.com	116.118
Ankenman, K. , University of Washington	ankenk@u.washington.edu	110.083, 128.020	Aube, D. , B.A., The Groden Center, Inc.	daniellaube@yahoo.com	116.156
Annaz, D. , Middlesex University	d.annaz@mdx.ac.uk	134.091	Audhya, T. , Ph.D., New York University School of Medicine and Vitamin Diagnostic Laboratory	audhyatk@optonline.net	110.019
Anns, S. , City University London	sophie.anns.1@city.ac.uk	134.051	August, M. K. , Oregon Health & Science University	augustm@csu.ogi.edu	128.086
Anthony, L. G. , Children's National Medical Center	lanthony@cnmc.org	105.078, 134.050	Ausderau, K. , PhD, University of North Carolina	ausderau@med.unc.edu	128.026, 132.003
Anthony, M. , University of Virginia	maria.r.anthony@gmail.com	113.00	Austin, H. , Ph.D., University of Colorado Denver	Austin.Harriet@tchden.org	128.174
Antovich, D. , B.S., University of Washington	anto13@uw.edu	105.173	Auyeung, B. , Autism Research Centre, University of Cambridge	ba251@cam.ac.uk	110.156
Antshel, K. , SUNY Upstate Medical University	antshelk@upstate.edu	114.006	Awad, J. , Palestinian Happy Child Center	phcc99@palnet.com	116.109
Apicella, F. , University of Pisa A- Stella Maris Scientific Institute	fabio.apicella@inpe.unipi.it	110.080	Ayub, Q. , The Wellcome Trust Sanger Institute	qa1@sanger.ac.uk	110.058
Apperly, I. , University of Birmingham	i.a.apperly@bham.ac.uk	134.086	Azadi, B. , Institue of Psychiatry	bahare.azadi@kcl.ac.uk	134.029
April, C.	capril@illumina.com	124.006	Azmitia, E. C. , New York University	eca1@nyu.edu	116.001
Arciuli, J. , The University of Sydney	joanne.arciuli@sydney.edu.au	116.101	<b>B</b>		
Ard, A.	ard11@up.edu	110.048	B. Rivest, J. , Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM)	jessica.bertrand-rivest@umontreal.ca	115.006
Ardjomand-Hessabi, M.	Manouchehr.ArdjomandHessabi@uth.tmc.edu	110.121	Babb, A. , BS	babba@wusm.wustl.edu	105.180
Arima, S. , University of Rome * La Sapienza*	serena.arima@uniroma1.it	105.037, 105.039	Bachevalier, J. , Ph.D.	jbachev@emory.edu	104.002
Ambrecht, E. , Saint Louis University	ambrees@slu.edu	110.145	Bacic, J. , M.S., Children's Hospital Boston	Janine.molino@childrens.harvard.edu	105.147
Armstrong, K. , BA, Simon Fraser University	kimberly_armstrong@sfu.ca	134.131			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Back, E., Kingston University London	e.back@kingston.ac.uk	134.086	Bargiacchi, A., Research Unit 1000 "Neuroimaging and Psychiatry", CEA - INSERM	annebargiacchi@gmail.com	128.123, 133.003
Backer van Ommeren, T., MA, VU University	ehbvo@xs4all.nl	110.174	Barker, G., Institute of Psychiatry	gareth.barker@kcl.ac.uk	103.002
Baggett, K., Ph.D., University of Kansas	kbaggett@ku.edu	105.116, 108.007	Barker, S., Orillia Soldiers Memorial Hospital	sbarker@osmh.on.ca	134.020
Baguio, F., UC Davis MIND Institute	fottfam.baguio@ucdmc.ucdavis.edu	109.002	Barkovich, A. J.	jim.barkovich@radiology.ucsf.edu	116.055
Bahrck, L., Florida International University	bahrck@fiu.edu	110.163, 134.006	Barnes, G., Vanderbilt	gregory.barnes@vanderbilt.edu	107.003, 115.007, 128.075
Baig, M. W., SSM Cardinal Glennon Children's Hospital	mirzaw_baig@yahoo.com	110.145	Baron, A., UCLA Semel Institute	alea.baron@pepperdine.edu	108.003
Bailey, A., University of British Columbia	anthony.bailey@psych.ox.ac.uk	116.011	Baron-Cohen, S., Autism Research Centre, University of Cambridge	sb205@cam.ac.uk	103.008, 110.156, 115.004, 116.010, 116.029, 116.051, 116.060, 116.063, 119.006, 133.002, 134.013, 134.016, 136.004
Bailey, K. J., Glenwood Autism and Behavioral Health Center, Inc.	kirstin@uab.edu	105.060, 110.146	Barrett, D., Autism Society of Edmonton Area	dbarrett@interbaun.com	105.089
Baio, J., Centers for Disease Control and Prevention	jbao@cdc.gov	118.003	Barrie, D., University of Windsor	barried@uwindsor.ca	105.010, 128.077
Baird, G., Guy's Hospital	Gillian.Baird@gstt.nhs.uk	134.132	Barriger, A., University of Michigan Autism and Communication Disorders Center	barriger@umich.edu	105.028
Bakare, M., Federal Neuro-Psychiatric Hospital, Upper Chime, New Haven, Enugu, Enugu State, Nigeria	mobakare2000@yahoo.com	110.104	Bartlett, C., Christopher.Bartlett@nationwidechildrens.org		105.163, 128.136
Bakeman, R., Georgia State University	bakeman@gsu.edu	128.107	Bartley, J.	jls04ab@fsu.edu	128.081
Baker, A., BS, UC Davis	asbaker@ucdavis.edu	110.129, 131.007	Bartolo, A., PhD, Universite' de Lille Nord de France	angela.bartolo@univ-lille3.fr	128.135
Baker, E., BBSoc (Hons), La Trobe University	ek_baker@hotmail.com	128.192	Barton, M., Ph.D., University of Connecticut	mlbarton13@gmail.com	102.003, 110.141, 110.142, 128.017, 128.088, 128.103, 128.158
Baker, J., Ph.D., University of Wisconsin	jbaker@waisman.wisc.edu	128.087	Baruth, J., PhD, student, University of Louisville	jmbaru01@louisville.edu	105.095, 110.060, 110.076, 110.079, 134.017
Baker, J., Dalhousie University	jodiebaker@hotmail.com	134.070	Bassal, F., University of California, Davis	fcbbassal@ucdavis.edu	116.035
Bakian, A., University of Utah	amanda.bakian@hsc.utah.edu	110.107, 110.124	Basu, S., MindSpec Inc.	sharmila@mindspec.org	110.040
Balakrishnan, B., Children's Hospital of Michigan, Wayne State University	bbalakri@med.wayne.edu	104.005	Bates, S., MA, UCLA Semel Institute	sbates@mednet.ucla.edu	105.082, 108.003
Bales, K., UC Davis	klbales@ucdavis.edu	119.004	Bauminger, N., Bar Ilan university	Nirit.bauminger@biu.ac.il	130, 130.003, 134.079
Ballard, J., Center for Change	whyisjaime@hotmail.com	113.003	Bayrami, L., PhD, The Milton and Ethel Harris Research Initiative at York University	lbayrami@yorku.ca	128.101
Baltus, R.	RitaBaltuskonis@aol.com	110.111	Bean, A., University of Wisconsin-Madison	afbean@wisc.edu	128.076, 128.127
Banerjee, P. N., Columbia University	pb2210@columbia.edu	110.127, 110.130	Bean, J., University of Connecticut	jessica.bean07@gmail.com	110.189
Bani Hani, H., McGill University	hanady.banihani@mail.mcgill.ca	134.085	Bearman, P., Columbia University	psb17@columbia.edu	110.092, 118.002, 118.007
Bankart, J., University of Leicester	mjb65@leicester.ac.uk	110.140, 118.004	Bearss, K., PhD, Yale University School of Medicine	karen.bearss@yale.edu	128.005
Bansal, V., PhD, Scripps Genomic Medicine	vbansal@scripps.edu	110.052	Beaton, D., University of Texas at Dallas	derekbeaton@student.utdallas.edu	134.003
Baranek, G., PhD, University of North Carolina at Chapel Hill	grace_baranek@med.unc.edu	105.168, 116.087, 116.115, 128.026, 132.003, 137.001	Bebko, J. M., PhD, York University	jbebko@yorku.ca	105.004, 128.141, 134.075, 134.101, 134.138
Barbaro, J., La Trobe University	j.barbaro@latrobe.edu.au	134.011	Beck, D., B.A., La Trobe University	delia.beck@gmail.com	110.191
Barbeau, E., Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM)	elise.barbeau@mail.mcgill.ca	128.117	Bedford, R., Institute of Education	r.bedford@ioe.ac.uk	128.111, 138.003
Barber, A., University of Alabama	abarber@bama.ua.edu	128.041, 132.001	Beecher, C.	compton.beecher@uwimona.edu.jm	110.121
Barber, R., Bloorview Research Institute	rbarber@bloorview.ca	134.020	Begeer, S., S.Begeer@psy.vu.nl		110.174, 119.002, 128.061, 134.062
Barger, B., The University of Georgia	bbarger@uga.edu	105.114, 110.110	Behen, M. E., PhD, School of Medicine, Wayne State University	mbehen@pet.wayne.edu	105.178, 128.046, 128.090, 128.092

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Behrmann, M.	behrmann@cmu.edu	116.012	Berquist, K., PhD, Stanford University	kbe@stanford.edu	108.004, 132.007
Beingessner, B., Sinneave Family Foundation	brittany.beingessner@albertahealthservices.ca	116.110	Berry, K., Hunter College, City University of New York	kbe0001@hunter.cuny.edu	105.036
Bekele, E., Vanderbilt University	esubalew.t.bekele@vanderbilt.edu	116.171	Berry Malmberg, D., Ph.D., California State University Northridge	Debra.Berry.Malmberg@csun.edu	105.059
Belger, A., University of North Carolina, Chapel Hill (UNC-CH)	abelger@med.unc.edu	116.043	Berthiaume, C., Hopital Riviere-des-Prairies	claud.berthiaume.hrdp@sss.gov.qc.ca	128.056
Bellando, B., PhD, University of Arkansas for Medical Sciences	bellandojayne@uams.edu	110.013	Bertone, A., Dr., Perceptual Neuroscience Laboratory for Autism and Development, CETEDUM	armando.bertone@mail.mcgill.ca	115.006, 134.009, 134.100, 134.117, 134.126
Belmonte, M. K., Cornell University	belmonte@mit.edu	110.090	Beste, E., Marquette University	ellen.beste@marquette.edu	105.070
Ben-David, E., The Hebrew University of Jerusalem	eyal.bendavid@mail.huji.ac.il	124.004	Betancur, C., INSERM U952	Catalina.Betancur@inserm.fr	127.001
Ben-Sasson, A., PhD, University of Haifa	asasson@univ.haifa.ac.il	128.025	Betanzos-Cruz, X., Hospital Psiquiatrico Infantil	tdah.autismo@gmail.com	128.122
Benasich, A., Ph.D., Rutgers University Newark	benasich@andromeda.rutgers.edu	101.001	Beurkens, N., PhD, Horizons Developmental Remediation Center	nicole@horizonsdrc.com	128.105
Beneteau, A., University of Windsor	beneteaa@uwindsor.ca	116.116	Beversdorf, D. Q., MD, University of Missouri, Columbia	beversdorf@health.missouri.edu	110.074, 110.126, 128.187, 128.188
Benevides, T., Thomas Jefferson University	txw131@jefferson.edu	105.090	Bharadwaj, H., M.S., Massachusetts General Hospital	hari@nmr.mgh.harvard.edu	110.065
Ben Itzchak, E., Ariel University Center/ Assaf Harofeh Medical Center	benitze@ariel.ac.il	110.135, 128.058	Bhat, A., PT, PhD, University of Connecticut	anjana.bhat@uconn.edu	105.069, 105.074, 105.075
Benjamin, D.	dpbenjamin@ucdavis.edu	134.032, 134.071	Bhatara, A.	bhatara@gmail.com	134.129
Ben Meir, A., Ono Accademic College	anat.benmeir@gmail.com	105.098	Biagi, L., Magnetic Resonance Laboratory, Division of Child Neurology and Psychiatry University of Pisa; Stella Maris Scientific Institute	l.biagi@inpe.unipi.it	119.005
Bennaton, E., University of Wisconsin, Milwaukee	bennaton@uwm.edu	128.121	Biasini, F., Ph.D.	fbiasini@uab.edu	110.146, 110.149
Bennett, R., B.A., Yale University	randi.bennett@yale.edu	116.042, 116.062, 136.005	Bigham, S., Bournemouth University	sbigham@bournemouth.ac.uk	134.051
Bennett, T., Offord Centre for Child Studies, McMaster University	bennett@hhsc.ca	134.080	Bigler, E., Ph.D., University of Utah	erinb@cortex.byu.edu	110.190, 116.030, 116.065, 120.007, 136.001
Bennetto, L., PhD	bennetto@psych.rochester.edu	134.108, 134.142	Bijttebier, P., Katholieke Universiteit Leuven	Patricia.Bijttebier@psy.kuleuven.be	134.048
Benning, S., PhD, Vanderbilt University	stephen.d.benning@Vanderbilt.edu	110.085	Bilaver, L.	labilave@gmail.com	105.121
Benson, B., PhD	Betsey.Benson@osumc.edu	110.157	Bilder, D., MD, University of Utah School of Medicine	deborah.bilder@hsc.utah.edu	110.050, 116.080
Benton, L., Bath University	L.J.Benton@bath.ac.uk	105.087	Bilgic, A., Malatya Government Hospital	drayhanbilgic@yahoo.com	105.151
Berckelaer-Onnes, I., Leiden University	berck@fsw.leidenuniv.nl	134.005	Binet, A., Bar Ilan University	binet0@walla.com	128.058
Beresford, C., The Children's Hospital / The University of Colorado at Denver and Health Sciences Center	beresford.carol@tchden.org	116.126	Bisanz, J.	jeff.bisanz@ualberta.ca	110.169
Berk, B., Azusa Pacific University	bberk@apu.edu	110.033	Bishop, S., Ph.D., Cincinnati Children's Hospital Medical Center	somer.bishop@cchmc.org	119.003, 128.019, 128.028, 128.034
Berken, A., University of Connecticut School of Medicine	allison.berken@yale.edu	136.005	Bittar, R., MBBS(Hons), PhD, FRACS, Precision neurosurgery	drbittar@precisionneurosurgery.com	110.088, 116.075
Berkovits, L., B.A., University of California, Los Angeles	Lauren.Berkovits@gmail.com	105.171, 128.098	Blacher, J., Ph.D., University of California, Riverside	jan.blacher@ucr.edu	128.098, 128.099
Bernard, A.	awbernard@gmail.com	116.053	Black, D. O., NIMH	blackdavid@mail.nih.gov	134.010
Bernier, R., PhD, University of Washington	rab2@u.washington.edu	105.165, 109.001, 110.072, 110.083, 110.087, 128.020, 128.023, 128.177, 128.178	Black, L. M., Oregon Health & Science University	lblack@cslu.ogi.edu	128.084, 128.086
Bernstein, D., Department of Psychology, Kwantlen Polytechnic University Department of Psychology & Institute for Learning and Brain Sciences, University of Washington	Daniel.Bernstein@kwantlen.ca	134.062	Black, M. P., University of Southern California	matthepb@usc.edu	116.162, 116.163
Bernstein, L., Albert Einstein College of Medicine	leora131@gmail.com	105.129	Blakeley-Smith, A., Ph.D., Univ. of Colo. Denver- JFK Partners	audrey.blakeleymith@ucdenver.edu	105.047, 105.054, 105.062, 105.080
			Blanche, E., Ph.D., OTRL, FAOTA, University of Southern California	impe@aol.com	110.159

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Blaskey, L., Children's Hospital of Philadelphia	blaskey@email.chop.edu	115.005	Bowler, D. M., City University	d.m.bowler@city.ac.uk	110.071, 128.146, <b>134.046</b> , 134.049, 134.051
Blatt, G., Boston University School of Medicine	gblatt@bu.edu	116.006	Boyce, R., B.S., University of California, Davis	rgbboyce@ucdavis.edu	110.018, 128.166
Bloom, K.	Kari.Bloom@uth.tmc.edu	110.121	Boyd, B., Ph.D., University of North Carolina at Chapel Hill	brian_boyd@med.unc.edu	105.099, 105.130, 116.088, 116.115, 116.139, <b>128.031</b>
Blossom, S., PhD, Arkansas Children Hospital Research Institute	BlossomSarah@uams.edu	128.184	Boyd, L., NOC SELPA	LBoyd@ocde.us	116.147
Boddaert, N., Hospital Necker	nathalie.boddaert@nck.aphp.fr	133.003	Boyle, C.	cab3@cdc.gov	110.102
Bodfish, J. W., PhD, University of North Carolina - Chapel Hill	jim.bodfish@cdl.unc.edu	103.004, 110.085, 123.001, <b>123.004</b> , 134.003	Boyle, M., UC San Diego	Maureen.boyle4@gmail.com	124.006
Bodner, K. E., University of Missouri, Columbia	kimberly.bodner@mail.mizzou.edu	<b>105.067</b> , 105.134	Bradley, D., Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	danielle.bradley@choa.org	105.122
Boerwinkle, E., The University of Texas School of Public Health at Houston	Eric.Boerwinkle@uth.tmc.edu	110.121	Bradshaw, J., University of California - Santa Barbara	jessie.bradshaw@gmail.com	134.105
Bögels, S., University of Amsterdam	S.M.Bogels@uva.nl	105.048	Bradshaw, J., Monash University	j.l.bradshaw@monash.edu	110.063
Bohlander, A., PhD, Seattle Children's Hospital and Research Institute	amy.bohlander@seattlechildrens.org	110.106	Bradstreet, L., B.A., Children's Hospital of Philadelphia	bradstreetl@email.chop.edu	110.191, 128.036
Bolling, D., M.A., Yale University Child Study Center	danielle.z.bolling@gmail.com	<b>103.006</b> , 105.050, 110.165, 116.018, 116.032	Brady, N., PhD, The University of Kansas	nbrady@ku.edu	116.164
Bolton, P., Institute of Psychiatry (The)	p.bolton@iop.kcl.ac.uk	115.004, 134.029	Bragin, A., University of California at Los Angeles	abragin@ucla.edu	104.001
Boman, M., EdD, Kelly Autism Program at Western Kentucky University	marty.boman@wku.edu	105.112, <b>116.133</b>	Braidy, N., PhD, UNSW	n.braidy@unsw.edu.au	110.016
Bomar, J.	jbomar@ucla.edu	<b>104.004</b> , 110.021	Brandwein, A. B., The Children's Research Unit (CRU), Program in Cognitive Neuroscience, City College of New York	alice1012@gmail.com	110.077, 110.078
Bone, D., Signal Analysis and Interpretation Laboratory (SAIL), University of Southern California	dbone@usc.edu	116.163	Braunschweig, D., University of California at Davis	dnau@ucdavis.edu	<b>104.006</b> , 128.166
Bonneh, Y., PhD, University of Haifa	yoram.bonneh@gmail.com	<b>110.001</b>	Breidbord, J., University of Cambridge	jon@cantab.net	<b>105.044</b>
Bonter, N., Michigan State University	bonterni@msu.edu	105.001	Breitenbach-Koller, L., Paris-Lodron University	hannelore.koller@sbg.ac.at	110.014
Bookheimer, S. Y., PhD, University of California, Los Angeles	sbook@ucla.edu	<b>106</b> , 103.001, 106.001, 116.013, 116.014, 116.056, 116.058, 120.004, <b>123.003</b> , 133.008, 136.003	Bremer, A., MD, PhD, University of California, Davis	aabremer@ucdavis.edu	131.007
Bookman, B., B.A., SUNY Delhi	bbookma1@gmail.com	110.191	Bresnahan, M., PhD, Columbia University	mab29@columbia.edu	110.148, 122.001, <b>122.002</b> , 122.003, 122.004
Boonen, H., Parenting and Special Education Research Group, Katholieke Universiteit Leuven	hannah.boonen@ped.kuleuven.be	110.173	Bressler, J.	Jan.Bressler@uth.tmc.edu	110.121
Borchert, E., University of California, San Diego	eborchert@ucsd.edu	128.053	Brewer, V., UTHSC	vbrewer@uthsc.edu	110.046
Borjon, J., Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine	jeremy.borjon@gmail.com	104.002, <b>134.135</b>	Brewster, S. J., Children's Hospital Boston	Stephanie.Brewster@childrens.harvard.edu	128.051
Boser, K.,	kboser@gmail.com	<b>116.148</b>	Brewton, C. M., BA, Baylor College of Medicine	brewton@bcm.edu	<b>105.011</b> , 116.130, 128.022
Botteron, K., Washington University School of Medicine	botteronk@mir.wustl.edu	125.002, 125.003, 125.004	Brezis, R., University of Chicago	brezirs@uchicago.edu	<b>116.015</b>
Boucher, J., City University London	Jill.Boucher.1@city.ac.uk	134.051	Brian, J., Bloorview Research Institute	jbrian@rogers.com	109.004, 128.004, 128.006, <b>128.009</b> , 134.020, 134.026, 138.001, 138.002
Boujarwah, F. A., Georgia Institute of Technology, HSI	fatima@gatech.edu	<b>116.095</b> , <b>116.141</b>	Brice, P., Ph.D., Christen, Gallaudet University	christen_szymanski@urmc.rochester.edu	107.002
Bouvet, L., Universite Pierre Mendes France	lucie.bouvet@gmail.com	<b>134.122</b>	Brigham, N., Ph.D., Vanderbilt University	nicolette.brigham@vanderbilt.edu	<b>105.068</b>
Bowen, C., Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	crystal.bowen@choa.org	105.007, <b>105.018</b> , 105.032, 105.076, 105.124	Broadbent, J., Deakin University	jaqi.broadbent@deakin.edu.au	<b>134.052</b>
			Brock, J., Dr., Macquarie University	jbrock@maccs.mq.edu.au	134.103, 136.007
			Brodeur, D., Acadia University	Darlene.brodeur@acadiu.ca	134.111
			Broka, N., University of Alabama	nicole.broka@gmail.com	128.155, 132.004
			Brookman-Frazee, L. I., Ph.D., University of California, San Diego	lbrookman@ucsd.edu	105.100, 116.086, <b>116.122</b>

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Brooks, W.	whitney.brooks@osumc.edu	110.157	Byrd, C. , University of North Carolina at Chapel Hill	cebyrd@email.unc.edu	128.042
Brown, A.	abigail.brown@u.northwestern.edu	128.119			
Brown, A. S. , NYSPI	asb11@columbia.edu	110.127, 110.130			
Brown, C. , Sound Choice Pharmaceutical Institute	cbrown@soundchoice.org	110.139	<b>C</b>		
Brown, J. , UCLA	jbrown81@gmail.com	133.008	Cable, G. , Ph.D., Children's Specialized Hospital	gcable@childrens-specialized.org	116.084, 116.085
Brown, K. , M.S., APRN, University of Utah	kimberly.brown@nurs.utah.edu	105.066	Caccamo, L. , B.A., Children's Hospital Boston	laura.caccamo@childrens.harvard.edu	105.147
Brown, S. , York University	stbrown@yorku.ca	128.141, 134.075, 134.138	Caffery, S. , Sutter Neuroscience Medical Group	caffersl@sutterhealth.org	128.165
Brown, W. T. , M.D., Ph.D. , New York State Institute for Basic Research in Developmental Disabilities	wtbibr@aol.com	104.007, 110.004, 110.005, 114.001, 116.003, 116.004, 116.005, 116.007	Cai, G. , Mount Sinai School of Medicine	guiqing.cai@mssm.edu	110.027
Brown-Gentry, K. , Vanderbilt University	kristin.brown@chgr.mc.vanderbilt.edu	110.053	Calderoni, S. , Magnetic Resonance Laboratory, Division of Child Neurology and Psychiatry University of Pisa; Stella Maris Scientific Institute	sara.calderoni@inpe.unipi.it	119.005, 128.110
Bruce, V. , University of Windsor	brucev@uwindsor.ca	105.010	Caldwell, C. , Walter Reed	carolynwells@mac.com	128.193
Brugha, T. , MB, BCh, BAO, MD, MRCPsych, University of Leicester	tsb@leicester.ac.uk	110.140, 112.001, 112.002, 118.004	Cali, P. , University of Washington	pcali@uw.edu	134.064
Brusilovskiy, E. , Children's Hospital of Philadelphia, Center for Autism Research	eugeneby@gmail.com	102.006, 116.100	Call, N. , Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	nathan.call@choa.org	105.007, 105.026, 105.091, 105.096, 105.101, 105.102, 105.103, 105.119, 105.124, 113.006, 116.111
Bryson, S. E. , PhD, Dalhousie University/ IWK Health Centre	Susan.Bryson@iwk.nshealth.ca	105.137, 109.004, 128.003, 128.004, 128.009, 128.102, 134.026, 134.080, 134.114, 134.118, 138.001, 138.002	Campatelli, G. , Stella Maris Scientific Institute	giuliacampatelli@hotmail.com	110.080
Brzustowicz, L. , MD, Rutgers University	Brzustowicz@biology.rutgers.edu	105.163, 128.136	Campbell, D. , Ph.D., University of Southern California	dbcambe@usc.edu	109.003, 110.018, 110.196, 128.005
Bubela, D. , PT, PhD, University of Connecticut	deborah.bubela@uconn.edu	105.074	Campbell, J. , University of Georgia	jmcampbl@uga.edu	105.114, 105.132, 110.110
Bucan, M.	bucan@pobox.upenn.edu	124	Campbell, K. , BS, University of California, San Diego	kathleendcampbell@gmail.com	120.001, 120.003
Budhani, F. , Thistleown Regional Center	farah.budhani@gmail.com	128.148	Campbell, M. , Emory University	matthew.campbell@emory.edu	110.029
Buechel, C. , University Medical Centre Hamburg-Eppendorf	buechel@uke.uni-hamburg.de	103.002	Campbell, S. , University of Pittsburgh	sbcamp@pitt.edu	138.006
Buja, A. , Ph.D., The Wharton School University of Pennsylvania	buja.at.wharton@gmail.com	119.003	Canal-Bedia, R.	rcanal@usal.es	116.106, 126.001
Bullmore, E. , Brain Mapping Unit, University of Cambridge	etb23@cam.ac.uk	103.008, 133.002, 136.004	Cannon, D. , University of Utah	dale.cannon@hsc.utah.edu	110.050
Burack, J. A. , Ph.D., McGill University	jake.burack@mcgill.ca	105.005, 134.009, 134.111	Cannon, K. , Children's Hospital of Philadelphia	cannonk@email.chop.edu	115.005
Burner, K. M. , University of Washington	kburner@u.washington.edu	110.062, 115.002	Cannon, L. , Ivymount School	lcannon@ivymount.org	105.078
Burnette, C. P. , Ph.D., University of New Mexico	courtney.burnette@vanderbilt.edu	134.036, 137.006	Cantor, R. , University of California, Los Angeles	rcantor@mednet.ucla.edu	110.043
Burns, J. , McGill University	jesse.burns@mail.mcgill.ca	128.159	Cardy, J. , Ph.D., SL-P(C)	joramcar@uwo.ca	110.197
Burr, D. , University of Florence	dave@in.cnr.it	134.063	Carey, M. , Ph.D., Self	mattcarey@earthlink.net	116.094
Burris, J. , University of California, Davis	jlburris@ucdavis.edu	116.035	Carey, T. , University of Windsor	tylercary21@hotmail.com	105.010
Burrows, B. , Albert Einstein College of Medicine	bethanyburrows@gmail.com	105.129	Cariello, A. , Utah Autism Research Project	annahir.cariello@gmail.com	110.190, 116.030
Butler, B. , University of Miami	leshea87@gmail.com	110.054	Carlo, S. , M.D., Ponce School of Medicine	simoncarlo3@yahoo.com	110.057
Butler, D.	derrecka.butler@gmail.com	138.006	Carlsen, D. , Center for Discovery	dcarlsen@sdctc.org	105.021
Butter, E.	eric.butter@nationwidechildrens.org	105.118	Carpenter, L. , Medical University of South Carolina	carpentl@muscc.edu	110.099, 110.101, 110.109, 110.112, 110.114, 118.001
Buvinger, E. , M.S., University of Michigan Autism and Communication Disorders Center	buvinger@umich.edu	105.138	Carr, S. , Ed.M., M.S.	secarr@vcu.edu	128.120
Buxbaum, J. D. , Mount Sinai School of Medicine	joseph.buxbaum@mssm.edu	110.022, 110.027, 127.002	Carr, T. , University of Michigan	tmhcarr@umich.edu	105.028
Buyse, S. , Rutgers University	buyse@slat.rutgers.edu	105.163, 114.007, 128.136	Carrington, S. , Cardiff University	carringtonsj@cardiff.ac.uk	116.011

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Carter, Ph.D. A. , Ph.D., University of Massachusetts Boston	aliceS.carter@umb.edu	105.027, 105.177, 110.132, <b>121.004</b> , 128.025	Chang, Y. , UCLA Semel Institute for Neuroscience & Human Behavior	jchang1231@aol.com	105.035
Carter, C. S. , UC Davis Department of Psychiatry and Behavioral Sciences, Imaging Research Center	cameron.carter@ucdmc.ucdavis.edu	103.005, 119.004, 133.004	Chantiluke, K. , Kings College London Institute of Psychiatry	Kaylita.chantiluke@kcl.ac.uk	133.007
Carter, C. , Ph.D., University of California, San Diego, UCSD Autism Center of Excellence	ccarter@ucsd.edu	109.007, 120.003	Chao, C.	ccchao405@gmail.com	105.058
Carter, E. , Ph.D.	ejcarter@gmail.com	116.059, <b>116.073</b>	Charest, I. , MRC Cognition and Brain Sciences Unit	ian.charest@mrc-cbu.cam.ac.uk	103.008
Carter, K. , UWA Centre for Child Health Research	kcarter@ichr.uwa.edu.au	122.001, 122.002, 122.003, 122.004	Charles, J. , Medical University of South Carolina	charlesj@musc.edu	110.099, 110.101, 110.109, 110.112, 110.114
Carter, K. , Children's Hospital of Philadelphia	carterkl@email.chop.edu	<b>128.125</b>	Charlop, M. , Ph.D.	marjorie.charlop@ claremontmckenna.edu	116.178
Carver, L. J. , University of California, San Diego	ljcarver@ucsd.edu	134.127	Charman, T. , Institute of Education	t.charman@ioe.ac.uk	<b>105.109</b> , 115.004, 128.042, 128.111, 134.132, 138.003
Casano, F. , AOB	ceskasan@libero.it	128.055	Chaspari, T. , Signal Analysis and Interpretation Laboratory (SAIL), University of Southern California	chaspari@usc.edu	116.163
Casanova, M. F. , M.D., Professor, University of Louisville	m0casa02@louisville.edu	105.095, 110.002, 110.060, <b>110.076</b> , 110.079, 116.034, 134.017	Chattarji, S. , Ph.D, National Center for Biological Sciences	shona@ncbs.res.in	<b>135.001</b>
Casat, C. D. , Carolina NeuroSolutions, LLC	ccasat@comcast.net	113.002	Chauhan, A. , Ph.D., NYS Institute for Basic Research in Developmental Disabilities	abha.chauhan@omr.state.ny.us	110.003, <b>110.019</b>
Cascio, C. , Vanderbilt University School of Medicine	carissa.cascio@vanderbilt.edu	134.119, 134.123	Chauhan, V. , Ph.D., NYS Institute For Basic Research in Developmental Disabilities	ved.chauhan@omr.state.ny.us	<b>110.003</b> , 110.019
Catani, M.	m.catani@kcl.ac.uk	116.029	Chawarska, K. , Ph.D., Yale University School of Medicine	katarzyna.chawarska@yale.edu	109.003, <b>110.196</b> , 128.005, 128.008, 128.150, 128.176, 134.018, 134.105, 134.106, 137.002
Catania, E. H. , Vanderbilt University	elizabeth.catania@vanderbilt.edu	134.123	Chawarska, K. , Ph.D., Yale Child Study Center	katarzyna.chawarska@yale.edu	128.007
Cattrell, A. , Institute of Psychiatry	anna.a.cattrell@kcl.ac.uk	103.002	Cheak-Zamora, N.	cheakzamoran@missouri.edu	<b>116.108</b>
Cayless, S. , Children's Hospital of Philadelphia	cayless@email.chop.edu	116.068, 116.160, 128.036	Cheely, C.	catherine.cheely@gmail.com	110.109, <b>110.112</b>
Celimi, S. , University of Miami	scelimli@psy.miami.edu	105.027	Chen, L. , PhD, Yale University	Lisha.Chen@yale.edu	109.003
Cerban, B. , Children's Hospital Boston	bettina.cerban@childrens.harvard.edu	<b>105.147</b>	Cheng, B. C. , California Institute of Technology	c7cheng@gmail.com	128.073, 134.084
Cerda, G. , M.D., University of California, San Diego	gcerda@ucsd.edu	116.086	Cherubini, M. , Seaside Therapeutics, Inc.	mcherubini@seasidetherapeutics.com	137.008
Cermak, S. A. , Ed.D., University of Southern California	sharon.cermak@gmail.com	110.159, <b>128.164</b>	Cheslack-Postava, K. , Columbia University	kc2497@columbia.edu	<b>118.007</b>
Chabane, N. , Hospital Robert Debre	nadia.chabanne@rdb.aphp.fr	128.123, 133.003	Chessa, A. , University of Cagliari	alessandro.chessa@dsf.unica.it	128.151
Chacin, J. A. , La Universidad del Zulia	chacin_jose@hotmail.com	128.182	Cheung, C. , The University of Hong Kong	charlton@hkusua.hku.hk	110.026, 116.036, 116.064, 116.074
Chadman, K. , New York State Institute for Basic Research in Developmental Disabilities	Kathryn.Chadman@gmail.com	110.004	Cheung, G. , The University of Sydney	davidtrembath3@gmail.com	<b>116.101</b>
Chaidez, V. , University of California, Davis	vachaidez@ucdavis.edu	110.119, <b>134.023</b>	Cheung, V. , Polytechnic University	vinci.cheung@inet.polyu.edu.hk	116.036
Chakrabarti, B. , University of Reading	bc249@cam.ac.uk	103.008, 116.063, 119.006, 133.002, 134.013	Chevallier, C.	coralie.chevallier@gmail.com	<b>110.172</b> , 110.180
Chamberlain, P.	paul.chamberlain89@gmail.com	<b>110.045</b> , 134.024	Chevrette, T. , Fernand-Seguin Research Center	tommy.chevrette.hrdp@ssss.gouv.qc.ca	128.197
Chan, E. , M.D., Children's Hospital Boston	eugenia.chan@childrens.harvard.edu	105.147	Chevrier, E.	e.chevrier.Hrdp@ssss.gouv.qc.ca	115.008, 128.195, 128.196, 134.110
Chandler, F. , Doctoral Candidate, Olga Tennison Autism Research Centre, School of Psychological Science, La Trobe University	f.chandler@latrobe.edu.au	134.072	Chez, M. , Sutter Neuroscience Institute, Sacramento; UC Davis Medical Center	chezm2@sutterhealth.org	128.165
Chandler, S. , University of California, San Diego	schzndler@ucsd.edu	124.005	Chiang, C. , National Chengchi University	chchiang@nccu.edu.tw	128.106
Chandler, S. , Institute of Education	s.chandler@ich.ucl.ac.uk	128.111	Childress, D. , NDRC, University of North Carolina at Chapel Hill	dmchildress@gmail.com	128.073
Chang, J. , Ph.D., Yale University	joseph.chang@yale.edu	109.003, 110.196	Chiocchetti, A. , German Cancer Research Center (DKFZ)	a.chiocchetti@dkfz.de	110.014



# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Chiu, V., McMaster University	chiuvs@hotmail.com	110.006	Coggins, N., Psychiatric and Neurodevelopmental Genetics Unit, Center for Human Genetic Research, Massachusetts General Hospital	coggins@pngu.mgh.harvard.edu	109.006
Chlebowski, C.	colby.chlebowski@uconn.edu	110.142	Cohen, B., Autism Genetic Resource Exchange	bcohen@agre.org	114.003
Choueiri, R., Floating Hospital for Children	rchoueiri@tuftsmedicalcenter.org	116.135, 128.011	Cohen, C. A., Kennedy Krieger Institute	cohenc@kennedykrieger.org	116.125
Chow, M., University of California San Diego Neuroscience	cinderelliedoll@gmail.com	124.006	Cohen, I. L., New York State Institute for Basic Research in Developmental Disabilities	ilcphd@gmail.com	114.001, 116.004, 116.005, 116.007, 128.038
Christ, S. E., University of Missouri	ChristSE@missouri.edu	105.067, 105.134, 110.074	Cohen, S., University of California, San Diego	sjcohen@ucsd.edu	132.005
Christakou, A., King's College London, Institute of Psychiatry	anastasia.christakou@iop.kcl.ac.uk	133.007	Colamarino, S., Autism Speaks	sophia.colamarino@gmail.com	124.006
Christensen, L., M.A., C.Phil., UCLA	lchriste@ucla.edu	105.171	Cole, L., University of Rochester	lynn_cole@urmc.rochester.edu	105.115, 137.007
Christensen, M., Brigham Young University	meg.christensen10@gmail.com	110.045, 134.024	Colich, N.	nataliecolich@ucla.edu	103.001, 116.013, 116.021, 116.056, 116.058, 120.004, 136.003
Christian, L., B.S.Ed., University of North Carolina at Chapel Hill	liza_christian@med.unc.edu	105.130	Collazo, M., B.S., Ponce School of Medicine	msaracollazo@gmail.com	110.057
Christian, R., M.D., University of North Carolina	rob.christian@cidd.unc.edu	116.087	Collins, J., Kaiser Permanente, Division of Research	Jack.x.Collins@kp.org	114.003
Chua, K. W., B.S., University of Pittsburgh	kaochua@gmail.com	116.077, 134.090	Collins, M., University of California, San Diego	mcollins@ucsd.edu	124.005
Chua, S. E., State Key Laboratory for Brain and Cognitive Sciences	sechua@hkucc.hku.hk	116.036, 116.064, 116.074	Colombi, C., University of Michigan	ccolombi@umich.edu	109.002, 116.023
Chugani, D. C., Children's Hospital of Michigan, Wayne State University	dchugani@pet.wayne.edu	104.005	Colombo, J., PhD, The University of Kansas	colombo@ku.edu	116.164
Chung, I., University of Illinois at Chicago	ichung@psych.uic.edu	128.068	Coman, D., M.S., University of Miami	dcoman@psy.miami.edu	105.031, 116.139
Chura, L., Cambridge University	lrc36@cam.ac.uk	116.060, 136.004	Coman, I., SUNY Upstate Medical University	comani@upstate.edu	114.006
Church, R., Ed.D., Kennedy Krieger Institute	churchr@kennedykrieger.org	105.110	Conant, D.	dconant@ucsd.edu	128.053, 128.054
Churches, O., University of Cambridge	owen.churches@unisa.edu.au	116.051	Concannon, K., Children's Hospital Boston	kristin.concannon@childrens.harvard.edu	134.021
Cidav, Z., PhD, University of Pennsylvania School of Medicine	zcidav@mail.med.upenn.edu	116.082	Condillac, R., Ph.D., C. Psych., Brock University	rcondillac@brocku.ca	105.10
Clark, B. G., University of Alberta	brenda.clark@capitalhealth.ca	134.025	Congiu, S., AOB	saracongiu@hotmail.com	128.055, 128.115
Clark, M., RN, MPH, Thompson Center for Autism and Neurodevelopmental Disorders	clarkmj@health.missouri.edu	116.107	Conine, D., Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	daniel.conine@choa.org	105.032, 105.033
Clark, S., Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	seth.clark@choa.org	105.119	Connell, J., PhD, University of Pennsylvania	jeconnell@verizon.net	134.028
Clarke, M., University of Calgary	margaret.clarke@ calgaryhealthregion.ca	105.089, 116.110	Connelly, A., PhD, Brain Research Institute	a.connelly@brain.org.au	116.075
Clawson, A., Brigham Young University	clawson.ann@gmail.com	110.069, 110.086	Connolly, J., PhD, McMaster University	jconnol@mcmaster.ca	101.002
Clayson, P., Brigham Young University	voltair@gmail.com	110.069	Conrod, P., Institute of Psychiatry	patricia.conrod@kcl.ac.uk	103.002
Cleary, J. E., The University of Memphis	jcleary@memphis.edu	110.046	Constance, J., Truman State University	jordan.m.constance@gmail.com	128.187, 128.188
Clemons, T., PhD, EMMES Corp	tclemons@emmes.com	105.106, 105.111, 105.126, 107.001, 107.003, 107.006, 107.007, 110.007, 128.075, 128.183, 137.007	Constant, J., Hôpitaux de Chartres	jacques.constant28@wanadoo.fr	116.166
Cleveland, S.	cleve@stanford.edu	114.003	Constantino, J. N., M.D., Washington University School of Medicine	constantino@wustl.edu	109, 105.180, 109.008, 110.038, 110.154, 128.016, 128.027
Clifford, T., Queen's University	4tc29@queensu.ca	116.117	Conturo, T. E., M.D., Ph.D., Washington University School of Medicine, St. Louis	tconturo@wustl.edu	116.077
Close, H.	hclose@jhsph.edu	110.136	Cook, E., M.D., Ph.D., University of Illinois at Chicago	ecook@psych.uic.edu	110.050, 110.064, 128.068, 134.058
Clow, M., B.S., University of Washington	mkatlow@u.washington.edu	128.177, 128.178	Cook, I., UC Davis MIND Institute	icamcook@gmail.com	109.002
Coffey-Corina, S.	sccorina@ucdavis.edu	110.067			
Coffman, M.	marika.coffman@yale.edu	128.150, 134.105			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Cooley Hidecker, M. J. , PhD, University of Central Arkansas	MJCHidecker@uca.edu	128.162	Cross, A.	cros5890@mylaurier.ca	116.132
Coombes, S. , PhD, University of Illinois-Chicago	scoombes@uic.edu	116.057	Crossett, S. , Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	sarah.crossett@choa.org	105.103
Coon, H. , University of Utah School of Medicine	hilary.coon@utah.edu	110.050, 116.08	Crow, K. , Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	kerri.crow@choa.org	105.091
Cooper, A. , Brigham Young University	aubcshorty@msn.com	134.024	Crowell, C. , Ph.D., University of Notre Dame	ccrowell@nd.edu	105.020
Cooper, E.	erin80@yorku.ca	105.108	Crowley, M. J. , Child Study Center, Yale University	michael.crowley@yale.edu	103.006, 105.050, 110.070, 115.001, 116.032
Cooperrider, J. , University of Utah	jason.cooperrider@hsc.utah.edu	110.190, 116.030, 116.065	Cubillo, A. , King's College London, Institute of Psychiatry	ana.cubillo@kcl.ac.uk	133.007
Corbett, B. , Ph.D., Vanderbilt University	blythe.corbett@vanderbilt.edu	133.004	Cuccaro, M. L. , John P Hussman Institute for Human Genomics	mcuccaro@med.miami.edu	105.172, 110.053, 110.054, 114.005, 128.014
Corkum, P. , Ph.D., Dalhousie University	pvcorkum@dal.ca	134.039	Cukier, H. N. , University of Miami	hcukier@med.miami.edu	110.054, 114.005
Corley, M. , PhD, University of Edinburgh	martin.corley@ed.ac.uk	128.135	Cull, M. B. , Columbia University Medical Center	marybeth.cull@gmail.com	116.150
Cornew, L. , Children's Hospital of Philadelphia	cornewl@email.chop.edu	115.005	Cummings, A. , Kinark	anne.cummings@kinark.on.ca	113.005
Corrow, S. , University of Minnesota	sherryse.leanna@gmail.com	128.173	Cunniff, C. M. , M.D., University of Arizona College of Medicine	ccunniff@peds.arizona.edu	110.098, 110.108
Corsello, C. , University of California, San Diego	ccorsello@ucsd.edu	128.073	Cunningham, A. B. , University of California, San Diego	abcunnin@ucsd.edu	105.002
Cosgriff, J. , MS, Vanderbilt University	joseph.c.cosgriff@vanderbilt.edu	105.068	Curtis, A. , University of Central Arkansas	amylcurtis16@yahoo.com	128.162
Coskun, M. A. , University of Houston	macoskun@gmail.com	116.078	Czaplicki, A. , Northwestern University Feinberg School of Medicine	aczaplic@imsa.edu	110.031
Courchesne, E. , Ph.D., University of California, San Diego	ecourchesne@ucsd.edu	111, 105.002, 105.104, 109.007, 110.052, 111.001, 116.002, 120.001, 120.002, 120.003, 124.001, 124.005, 124.006	<b>D</b>		
Coury, D. L. , MD, Nationwide Children's Hospital	daniel.coury@ nationwidechildrens.org	105.106, 105.115, 107.003, 128.075, 137.007	D'Alemeida, V. , King's College London	vera.d'alemeida@kcl.ac.uk	128.021
Cousineau, D. , Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM)	Dominique.Cousineau.hrdp@ sss.gouv.qc.ca	132.006	D'Antono, B. , Montreal Health Institute	bianca.d.antonio@umontreal.ca	128.197
Couture, M. , PhD, Laval University	melanie.couture@rea.ulaval.ca	105.141, 110.194	D'Cruz, A. , M.Phys., M.A., University of Illinois at Chicago	adcruz@psych.uic.edu	116.057, 134.058
Cox, Ann, University of North Carolina at Chapel Hill	ann.cox@unc.edu	117.002	D'Elia, L.	lidia.delia@opbg.net	105.003, 105.037, 105.039, 105.160, 134.121
Cox, I. , BPsych (Honours), Deakin University	stevenivannacox@bigpond.com	119.008	Dager, S. , University of Washington	srd@u.washington.edu	103.003, 125.003, 125.004
Cozma, I. , Hunter College, City University of New York	ioan.g.cozma@gmail.com	105.036	Dai, H. , Children's Hospital of Michigan, Wayne State University	hdai@med.wayne.edu	104.005
Craig, W. , PhD, Queen's University	wendy.craig@queensu.ca	105.143, 128.079	Dale, A. , University of California, San Diego	andersmdale@gmail.com	120.003
Crain, H. , MA, Mount Sinai School of Medicine	hmcrain@gmail.com	105.083	Daluwate, C. , University of Missouri, Columbia	cldc82@mail.missouri.edu	110.074
Crais, E. , PhD, University of North Carolina at Chapel Hill	bcrais@med.unc.edu	116.087, 116.115	Daly, E. , King's College London, Institute of Psychiatry	e.daly@iop.kcl.ac.uk	110.042, 116.022, 116.063, 128.021, 133.007
Crane, L. , PhD, Goldsmiths, University of London	L.Crane@gold.ac.uk	134.049	Damiano, C. , University of North Carolina - Chapel Hill	cdamiano@email.unc.edu	134.123
Crespo, F. , PhD, University of Louisville	facres01@gwise.louisville.edu	110.002	Daniels, A. M. , Johns Hopkins Bloomberg School of Public Health	adaniels@jhsph.edu	102.001
Crisler, M. , University of Alabama	cris002@crimson.ua.edu	134.067	Dankner, N. A. , NIMH	danknern@mail.nih.gov	116.031
Crittendon, J. , Licensed Clinical Psychologist, Monroe Carell Children's Hospital at Vanderbilt	julie.a.davidson@vanderbilt.edu	110.044, 128.070, 134.036	Dapretto, Ph.D, M. , PhD, University of California, Los Angeles	mirella@loni.ucla.edu	136, 103.001, 116.013, 116.014, 116.021, 116.056, 116.058, 120.004, 123.003, 133.008, 136.003, 138.007
Croen, L. A. , PhD, Kaiser Permanente Division of Research	Lisa.A.Croen@kp.org	131, 110.103, 114.003, 131.002, 131.004, 131.006			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Davidovitch, M., Maccabi Healthcare Services	davidom@netvision.net.il	110.097	Devine, O., Ph.D., Centers for Disease Control and Prevention	odevine@cdc.gov	110.102, 118.003
Davidson, J., PhD, Vanderbilt University	julie.a.davidson@Vanderbilt.Edu	116.171	Devriendt, K., Katholieke Universiteit Leuven	koen.devriendt@med.kuleuven.be	114.002
Davis, D., University of Louisville	dwdavi01@louisville.edu	110.100	de Vries, M.	m.devries@uva.nl	134.043
Dawkins, T., M.A., McGill University	tamara.dawkins@mail.mcgill.ca	134.111	de Waal, F., Emory University	dewaal@emory.edu	110.029
Dawson, G., PhD, Autism Speaks, UNC Chapel Hill	gdawson@autismspeaks.org	101, 105.173, 107.008, 110.183, 115.002, 128.002, 134.019, 134.064	De Yoe, K.	kaitlin.de_yoe@uconn.edu	128.103
Dawson, M., Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM)	naamichelle@yahoo.ca	134.117	Dichter, G., University of North Carolina	dichter@biac.duke.edu	123, 103.004, 110.085, 123.001, 134.003
Day, J., University of Missouri	jrd4g5@mail.mizzou.edu	128.187, 128.188	DiCicco-Bloom, E., Robert Wood Johnson Medical School	diccem@umdnj.edu	104.003
Dean, M., M.A., University of California, Los Angeles	michcdean@gmail.com	105.084, 128.157	Diehl, A., University of Rochester	alison_diehl@urmc.rochester.edu	128.145
deAzevedo, L., Sr., Oswaldo Cruz Foundation	leoazev@usa.net	110.073	Diehl, J., Ph.D., University of Notre Dame	joshua.diehl@nd.edu	105.020, 128.149, 134.108
de Bildt, A., Ph.D., M.A., University Medical Center Groningen	annelies.de.bildt@home.nl	113.003	Dietz, W., Northwestern University Feinberg School of Medicine	bdietzpu@gmail.com	110.031
Deckner, D., Clayton State University	DeborahDeckner@mail.clayton.edu	128.107	Dillon, A. R., M.S., Pacific Graduate School of Psychology	ashleyrdillon@gmail.com	128.112
Deeley, Q., Institute of Psychiatry, King's College London	quinton.deeley@iop.kcl.ac.uk	116.022	Dillon, E. F., University of North Carolina	edillon@med.unc.edu	128.071
Deen, B., BS, MIT	bdeen@mit.edu	103.006, 116.070	Dimitriou, F., M.Ed., Cleveland Clinic Center for Autism	dimitrf@ccf.org	105.013
Deidrick, K., Ph.D., Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri-Columbia	deidrickk@hotmail.com	116.138	Dimitrov, M., PhD, NIMH	mariana.dimitrov@nih.gov	116.182
Deisher, T., Sound Choice Pharmaceutical Institute	tdeisher@soundchoice.org	110.048, 110.139	Dimopoulou, M., University of Strathclyde	dimopume@gmail.com	128.142
de Klerk, C., Birkbeck	c.c.j.m.de.klerk@umail.leidenuniv.nl	128.111	Dingfelder, H., University of Pennsylvania	dingfeld@psych.upenn.edu	116.120
De la Marche, W., UPC-K.U.Leuven, campus Gasthuisberg	wouter.delamarche@uz.kuleuven.ac.be	109.005, 114.002	DiNino, M., UC Davis M.I.N.D. Institute	mdinino4@gmail.com	116.072
Delfs, C., Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	caitlin.delfs@choa.org	105.019, 105.033, 113.006	Dinstein, I., Weizmann Institute of Science	ilan@cns.nyu.edu	116.012
Del Furia, C., C.T.E. Firenze	antonionarzisi@yahoo.it	105.064	Di Rezze, B., McMaster University	dirrezzbm@mcmaster.ca	128.162
Deling, L., University of North Dakota	lindsay.deling@und.edu	134.055	Dissanayake, C., Ph.D., Olga Tennison Autism Research Centre	c.dissanayake@latrobe.edu.au	128.024, 134.011, 134.072
Deliz-Bauza, L., Psy.D., Clinical Psychology Program	ldelizpsyd@gmail.com	110.057	Dixon, D., Ph.D., Center for Autism and Related Disorders	d.dixon@centerforautism.com	116.168
dell'Acqua, F.	flavio.dellacqua@kcl.ac.uk	116.029	Doan, N., Seattle University	ngocdoan162@gmail.com	110.048
Delpizzo-Cheng, E., Ph.D., BCBA-D, Newport-Mesa Unified School District	edelpizzo@gmail.com	116.112	Dobkins, K. R., University of California, San Diego	kdobkins@ucsd.edu	128.016, 132.005, 134.127
Delwiche, L., University of California, Davis	lldelwiche@ucdavis.edu	128.166	Dobyns, W. B., M.D., The University of Chicago	wbd@genetics.uchicago.edu	114.008
de Marchena, A. B., University of Connecticut	ashley.de_marchena@uconn.edu	110.164	Dodell-Feder, D., Harvard	ddfeder@mit.edu	133.005
Demarse, M., University of Rochester Medical Center	Melanie_Washington@ URMC.Rochester.edu	105.073	Doehring, P. J., Children's Hospital of Philadelphia, Center for Autism Research	doehringp@email.chop.edu	116.100
de Paula, C., Cristiane, Mackenzie Presbyterian Unverssity	csilvestrep09@gmail.com	110.120, 110.153	Doerr, J., Children's Hospital Boston	doerrjo@gmail.com	128.051
DePedro, D., Yale Child Study Center	dianna.depedro@yale.edu	128.059	Doggett, R., M.A., University of California, Santa Barbara	rdoggett@education.ucsb.edu	105.043
Desoete, A., Ghent University	Annemie.Desoete@UGent.be	105.145	Dohrmann, E. H., Vanderbilt University	liz.dohrmann@vanderbilt.edu	110.151, 128.033
Deutsch, P., Cardinal Glennon Children's Hospital	Patricia_Deutsch@SSMHC.com	110.145	Dolan, B., Marquette University	bridget.dolan@marquette.edu	105.070
			Dolev, S., Haifa University	sdolev@psy.haifa.ac.il	116.079, 128.078
			Dolmetsch, R., Ph.D., Stanford University	ricardo.dolmetsch@stanford.edu	129, 129.001
			Dombroski, B., University of Louisville	badomb01@louisville.edu	116.034
			Donald, J., The University of Georgia	jaimi.donald@gmail.com	110.110

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Doneddu, G., Center for Pervasive Developmental Disorders, AOB	giuseppe.doneddu@tiscali.it	128.055, 128.114, 128.115, 128.124, 128.151	Duplan, S.	sabine.duplan@gmail.com	128.196
Dong, H., The University of California, Los Angeles	HoDong@mednet.ucla.edu	104.004, 110.021	Durkin, M., University of Wisconsin-Madison	mdurkin@wisc.edu	110.108, 118.006
Donnadieu, S., Ph.D., Universite de Savoie	Sophie.Donnadieu@univ-savoie.fr	134.122	Dykstra, J., M.S., University of North Carolina at Chapel Hill	jessica_dykstra@med.unc.edu	105.130, 116.115
Donnel, T.	donnell@sutterhealth.org	128.165	<b>E</b>		
Donnelly, R., Department of Pathology and Laboratory Medicine, UMDNJ - New Jersey Medical School	donnelly@umdnj.edu	104.008	Eack, S., Ph.D., University of Pittsburgh	sme12@pitt.edu	105.153
Dorn, N., M.S., B.C.B.A., Advantage Learning Group Inc.	neilldorn@gmail.com	116.161	Eadie, P., University of Melbourne	paeadie@bigpond.com	110.148
Doti, R., University of Montreal	ing_rafael_doti_ca@yahoo.com.ar	134.115	Earls, M., M.D., Guildford Child Health	MEarls@gchinc.com	116.087
Douglas, S., PhD, University of Melbourne	sdouglas@unimelb.edu.au	128.128	Early, M., Notre Dame University	maearly@iupui.edu	113.001
Dowd, S., MBRI	sdowd@pathogenresearch.org	110.137	Ebrahimi, M.	m_ebrahimi@hotmail.com	128.037
Downing, K.	downing.kerri@gmail.com	134.021	Ebstein, R., The Hebrew University York Central Hospital	rpebstein@gmail.com	128.065
Doyle, M., Institute of Psychiatry	mary-jo.doyle@slam.nhs.uk	110.042, 128.021	Echegaray, M., Ph.D., University of Puerto Rico-Cayey	marcos.echegaray@upr.edu	110.057
Doyle-Thomas, K., Holland Bloorview Kids Rehabilitation Hospital	kdoylethomas@hollandbloorview.ca	116.050	Ecker, C., Institute of Psychiatry, King's College London	c.ecker@iop.kcl.ac.uk	103.008, 110.042, 116.022, 116.063, 128.021, 133.002, 133.007
Doyle-Thomas, K. A., Holland Bloorview Kids Rehabilitation Hospital	kdoylethomas@hollandbloorview.ca	116.017	Edelson, L. R., Boston University	ledelson@bu.edu	128.133
Drews-Botsch, C., Rollins School of Public Health, Emory University	cdrews@emory.edu	110.102	Edgar, J. C., PhD, Children's Hospital of Philadelphia	edgarj@email.chop.edu	115.005
Drmic, I. E., Hospital for Sick Children	irene.drmic@sickkids.ca	116.127, 128.009	Edwards, R., University of Washington	sjwebb@u.washington.edu	115.002
Droms, R., Psychiatric and Neurodevelopmental Genetics Unit, Center for Human Genetic Research, Massachusetts General Hospital	rebecca.droms@gmail.com	109.006	Eernisse, E., University of Illinois, Urbana-Champaign	mipbep@gmail.com	128.127
Drouillard, B., University of Windsor	drouillb@uwindsor.ca	116.116	Ehrenreich-May, J., Ph.D., University of Miami	jehrenreich@psy.miami.edu	105.049
Dube, W., Ph.D., University of Massachusetts Medical School	william.dube@umassmed.edu	116.161	Ehrlich, J.	JA-Ehrlich@wiu.edu	116.173
DuBois, Z., University of Notre Dame	zdubois@nd.edu	105.020	Ehsan, S., Student, University of Windsor	ehsans@uwindsor.ca	128.077
DuBray, M. B., M. S., University of Utah	molly.dubray@hsc.utah.edu	110.190, 116.030, 116.065, 120.005, 120.007, 136.001	Eigsti, I., University of Connecticut	inge-marie.eigsti@uconn.edu	110.164, 110.189, 128.017, 128.018, 128.103, 128.126, 128.158, 134.038
Duda, A., Psychiatric and Neurodevelopmental Genetics Unit, Center for Human Genetic Research, Massachusetts General Hospital	adudaii@partners.org	109.006	Eilbott, J., Yale University	jeffrey.eilbott@yale.edu	116.018, 116.042
Duerden, E., The Hospital for Sick Children	emma.duerden@sickkids.ca	110.179, 116.017, 116.050	Ekas, N., Ph.D., University of Miami	nekas@psy.miami.edu	128.010, 128.087
Dufresne Bastien, J., Hopital Riviere-des-Prairies	josianedufres@hotmail.com	128.196	El-Baz, A. S., Ph.D., Assistant, Professor, University of Louisville	aselba01@louisville.edu	110.076, 110.079, 116.034, 134.017
Duketis, E., Goethe-University	E.Duketis@med.uni-frankfurt.de	105.023, 110.014	Elbaum, B., Ph.D., University of Miami	elbaum@miami.edu	102.008
Duku, E., Offord Centre for Child Studies, McMaster University	duku@mcmaster.ca	105.137, 128.003, 128.009, 128.029, 128.102, 134.080, 134.114	Elder, L., University of Washington	lelder@u.washington.edu	105.092
Dumont-Mathieu, T., M.D., University of Connecticut	thyde.dumont-mathieu@uconn.edu	102.003, 110.141	Elfert, M.	melfert@shaw.ca	116.142
Duncan, A., Cincinnati Children's Hospital Medical Center	amieduncan@gmail.com	110.158	Elison, J. T., University of North Carolina - Chapel Hill	elison@email.unc.edu	125.002
Duncanson, P., B.S., University of California, Davis	pduncanson@ucdavis.edu	110.018, 128.166	Ellegood, J., The Hospital for Sick Children	jacob@phenogenomics.ca	110.024
Dunn Geier, J., Children's Hospital of Eastern Ontario	jdungeier@cheo.on.ca	113.005	Ellingsen, R., UCLA PEERS Program	rellingsen@mednet.ucla.edu	108.003, 128.099
			Ellis Weismer, S., University of Wisconsin-Madison 128.127, 128.144	ellisweismer@wisc.edu	128.012, 128.076,
			Elmore, T., University of Texas Houston Health Science Center	timothy.ellmore@uth.tmc.edu	116.008, 116.044, 116.046, 136.008
			Elsabbagh, M., Centre for Brain and Cognitive Development, Birkbeck	m.elsabbagh@bbk.ac.uk	115.004, 116.109, 128.042, 128.111, 138.003

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Embacher, R. , M.Ed., Cleveland Clinic	embachr@ccf.org	105.013, 128.027	Fava, L. , Fondazione Handicap Dopodinoi-Onlus	leonardo.fava@dopodinoi.it	105.037, 105.039
Emmons-Garzarek, J. , Yale Child Study Center	jessica.garzarek@yale.edu	128.155, 132.004, 134.133	Fawkes, D. , B.S., Vanderbilt Medical Center	Diane.Fawkes@vanderbilt.edu	105.126, 137.006
Eng, C. , Cleveland Clinic	engc@ccf.org	128.027	Fedele, A. , Autism Speaks	afedele@autismspeaks.org	114.003
Englander, Z. , University of Virginia	zoe.englander@virginia.edu	116.038	Federico, R. , Stella Maris Scientific Institute	rrfederico@inpe.unipi.it	110.080
Enticott, P. , Monash University	p.enticott@alfred.org.au	110.063	Feil-Seifer, D. , University of Southern California	dfseifer@usc.edu	116.151
Erdmann, E.	eerdmann@uwm.edu	128.121	Fein, D. A. , Ph.D., University of Connecticut	deborah.fein@uconn.edu	126, 102.003, 110.141, 110.142, 119.001, 126.004, 128.017, 128.018, 128.039, 128.088, 128.096, 128.103, 128.143, 128.158, 134.042
Erickson, C. , M.D. Hunter College, City University of New York	cericks@iupui.edu	113.001, 137.008	Feineis-Matthews, S. , Johann Wolfgang Goethe-University	feineis-matthews@em.uni-frankfurt.de	105.023
Erstenyuk, V. ,	versteny@hunter.cuny.edu	128.153	Feitelberg, L. , MSW, St Joseph's Health Centre	lfeitelberg@hollandbloorview.ca	134.020
Esler, A. , Ph.D., University of Minnesota	amy.esler@gmail.com	128.013, 128.144	Feldman, J. , Ph.D., Columbia University, NYS Psychiatric Institute	jffeldman@aol.com	116.150
Estes, A. M. , PhD, University of Washington	estes@u.washington.edu	103.003, 105.092, 105.173, 107.008, 110.067, 110.183, 125.001, 134.064	Feldman, M. , Brock University	mfeldman@brocku.ca	105.079
Evans, A. , Montreal Neurological Institute	alan.evans@mcgill.ca	125.003, 125.004	Feng, G. , MIT McGovern Institute for Brain Research	fengg@mit.edu	127.004
Evans, C. , Prometheus Research, LLC	cce@prometheusresearch.com	116.165	Ferguson, B. , M.A., University of Missouri	fergusonbj@health.missouri.edu	128.187, 128.188
Evans-Smith, B. , Ph.D., Rush University Medical Center	bernadette_evans-smith@rush.edu	105.017	Ferguson, S. , Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM)	Stephanie.Ferguson.hrdp@ssss.gouv.qc.ca	132.006
Eversmeyer, L. , SSM Cardinal Glennon Children's Hospital	lindsay_eversmeyer@ssmhc.com	110.145	Fernano, Z. , Rutgers University	zfermano@gmail.com	105.163, 128.136, 134.143
Evert, H. , Dr, Deakin University	helen.evert@deakin.edu.au	105.140	Fernandez, G. , PhD, University of Louisville	grfern01@gwise.louisville.edu	110.002
Eyler, L. , Ph.D.	lleyler@ucsd.edu	120.001, 120.002, 120.003	Fernandez-Betancourt, L. , UCSF	FernandezL1@neuropeds.ucsf.edu	114.008
Ezzell, S. , University of Texas Medical School at Houston	Sarah.Ezzell@uth.tmc.edu	113.002	Fernandez y Garcia, E. , University of California, Davis, School of Medicine	erik.fernandez@ucdmc.ucdavis.edu	110.119
<b>F</b>			Fernell, E. , Autism Centre for Young Children, Handicap and Habilitation	elisabeth.fernell@karolinska.se	134.073
Fadda, R. , University of Cagliari	robfadda@unica.it	128.055, 128.114, 128.115, 128.124, 128.151	Ferraro, F. R. , University of North Dakota	f_ferraro@und.nodak.edu	134.055
Faherty, A. , Kennedy Krieger Institute for Autism and Related Disorders	faherty@kennedykrieger.org	116.113	Ferretti, L. , Center for Pervasive Developmental Disorders, AOB	ferretluca@gmail.com	128.114
Fahnestock, M. , Ph.D., McMaster University	fahnest@mcmaster.ca	110.006	Feurstein, M. , University College London	m.feuerstein@ucl.ac.uk	134.130
Faja, S. , Ph.D., University of Washington	susfaja@u.washington.edu	110.062, 116.068, 116.160, 128.002, 134.019	Filipek, P. A. , MD, University of Texas Health Science Center at Houston	Pauline.A.Filipek@uth.tmc.edu	128.057
Falck-Ytter, T. , Karolinska Institute	terje.falck-ytter@ki.se	134.073	Filliter, J. , Dalhousie University	filliter@dal.ca	134.039, 134.070
Falkmer, M. , PhD student	marita.falkmer@hik.hj.se	116.090, 134.088	Fillmore, P. T. , PhD, University of California, Irvine	pfillmor@uci.edu	101.003
Falkmer, T. , Dr., Professor	t.falkmer@curtin.edu.au	116.090, 134.088	Finch, A. , California State University Northridge	amanda.finch.71@my.csun.edu	105.059
Faller, P. , OTR, Children's Specialized Hospital	PFaller@childrens-specialized.org	105.090	Findlay, A. M.	anne.findlay@radiology.ucsf.edu	116.053, 116.055
Fallon, J.	jmf@curemark.com	110.011	Findley, A.	addie.andrus@choa.org	105.091, 105.096, 105.101, 105.102, 105.124, 113.006, 116.111
Fan, J.	jfan@illumina.com	124.006	Findling, R. , University Hospitals Case Medical Center	Robert.Findling@UHospitals.org	110.155, 128.027
Fan, J. , Mount Sinai School of Medicine	Jin.Fan@mssm.edu	116.017, 116.050, 116.06			
Farley, M. , University of Utah	megan.farley@hsc.utah.edu	116.080			
Farmer, C. , Nisonger Center	cristanann@gmail.com	105.118, 105.128, 105.139			
Farmer, J. , Ph.D., University of Missouri	farmerje@health.missouri.edu	116.107, 116.108, 116.138			
Farmer, M. , Yale University	miranda.farmer@yale.edu	116.016			
Faubert, J. , Université de Montréal	jocelyn.faubert@umontreal.ca	134.115			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Finegold, S.	sidfinegol@aol.com	110.137	Francis, G. , Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	gereen.francis@choa.org	105.012
Fiorentini, C.	fiorentinichiar@gmail.com	134.102	Francis, R. , UWA Centre for Child Health Research	rfrancis@ichr.uwa.edu.au	122.001, 122.002, 122.003, 122.004
Fitzgerald, P. , The Alfred	p.fitzgerald@alfred.org.au	110.063	Frank, M. , PhD	Michael_Frank@brown.edu	103.005, 138.007
Fitzgerald, R. , MPH, Washington University School of Medicine	fitzgerr@psychiatry.wustl.edu	118.001	Frankel, F. , UCLA	ffrankel@mednet.ucla.edu	105.082, 128.112
Flagler, S. , Wake County Public School System	sflagler@wcpss.net	116.115	Frankenhuis, W. , UCLA	wfrankenhuis@gmail.com	138.007
Flanagan, J. , MD, St Joseph's Health Centre	flanaj@stjoe.on.ca	134.020	Franklin, J. , University of North Carolina -Chapel Hill	franjc1@gmail.com	110.085
Flax, Ph.D, J. , Ph.D., Rutgers University	jflax@andromeda.rutgers.edu	101.001, 105.163, 128.136	Frauenberger, C. , University of Sussex	c.frauenberger@sussex.ac.uk	116.180
Fleishman, M. , Brock University	mf05jl@badger.ac.brocku.ca	105.079	Frazier, T. , Ph.D, Cleveland Clinic	frazier2@ccf.org	105.013, 108.004, 108.008, 110.155, 120.008, 128.027
Fleming, R.	richard.fleming@umassmed.edu	116.158	Frea, W. , Ph.D., Autism Spectrum Therapies	bfrea@autismtherapies.com	116.081
Fletcher, P. T. , University of Utah	fletcher@sci.utah.edu	116.030, 120.005, 136.001	Freedman, B. H. , Ph.D., Kennedy Krieger Institute	freedman@kennedykrieger.org	105.152, 107.007, 110.115, 128.191
Flodman, P. , MS, University of California, Irvine	pflodman@uci.edu	101.003	Freeman, A. , M.A., UNC-Chapel Hill	andrew.freeman@unc.edu	110.155
Flor, H. , Central Institute of Mental Health	herta.flor@zi-mannheim.de	103.002	Freeman, N. L. , Toronto Partnership for Autism Services	nancy.freeman@surreyplace.on.ca	113.005, 128.148
Flores, H.	heidi.flores@mail.mcgill.ca	105.005	Freeman, R. , Children's Specialized Hospital	RFreeman@childrens-specialized.org	105.090
Flory, M. , NYS Institute for Basic Research in Developmental Disabilities	Michael.flory@omr.state.ny.us	116.004, 116.005, 116.007	Freeman, S. , PhD, UCLA Center for Autism Research and Treatment	sfreeman@mednet.ucla.edu	110.059
Fogel, A. , BA, Tufts University	allisonfogel@gmail.com	110.087	Freitag, C. M. , MD, MA, Johann Wolfgang Goethe University	C.Freitag@em.uni-frankfurt.de	105.023, 134.008
Foley, J. , University of Rochester	jennifer_foley@urmc.rochester.edu	105.107, 105.111, 128.145	Fremont, W. , SUNY Upstate Medical University	FremontW@upstate.edu	114.006
Foley, J. , Ph.D., State University of New York at Cortland	foleyj@cortland.edu	128.074	Freuler, A. , UNC Chapel Hill	freulera@gmail.com	105.168
Fombonne, E. , McGill University	eric.fombonne@mcgill.ca	105.137, 105.141, 110.194, 128.003, 128.102, 134.080, 134.114	Freund, M. , PhD, National Institute of Mental Health	freundm@mail.nih.gov	116.182
Fontana, I. , Ospedale pediatrico Bambino Gesù	ila.fontan@iscali.it	105.003	Friedman, B. , Ph.D., Virginia Tech	bhfriedm@vt.edu	110.091
Forgeot d'Arc, B.	forgeot@ens.fr	110.180	Frigo, G. , AOB	frigo.giovanna@gmail.com	128.055, 128.115, 128.124, 128.151
Fortunato, J. , MD, Wake Forest University Health Sciences	jfortuna@wfubmc.edu	128.186	Froehlich, A. , Ph. D., University of Utah	alyson.froehlich@hsc.utah.edu	110.190, 116.030, 116.065, 120.005, 120.007, 136.001
Foscoliano, M. , AOB	mariafoscoliano@gmail.com	128.055, 128.124	Froehlich, W. , MD, Stanford University	wendyfro@hotmail.com	114.003
Foss-Feig, J. H. , Vanderbilt University	jennifer.h.foss-feig@vanderbilt.edu	134.036, 134.119	Frye, R. , University of Texas Houston Health Science Center	Richard.E.Frye@uth.tmc.edu	110.036, 116.008, 116.044, 116.046, 136.008
Foster, C. , B.A Kennedy Kreiger Institute	fosterc@kennedykrieger.org	105.152, 116.137	Fu, X.	xdfu@ucsd.edu	124.006
Foster, J. , MS Institute For Basic Research	jennymfoster@gmail.com	105.065	Fuchs, G. , MD, Arkansas Children's Hospital	fuchsgeorgej@uams.edu	110.013
Foster, J.	Foster.J@kennedykrieger.org	134.145	Fuentes-Biggi, J. , Policlínica Guipúzcoa and GAUTENA	fuentes.j@telefonica.net	126.001
Foster, M. E. , Heriot Watt University	mefoster@gmail.com	116.180	Fuerst, Y. , M.A., Southern Connecticut State University	yael.fuerst@yale.edu	128.126
Foster, N. , Research Institute of the Montreal Children's Hospital, McGill University	nick.foster@mail.mcgill.ca	134.116	Fujii, C. , University of California, Los Angeles	corifujii@gmail.com	105.158
Foster, P. , Ph.D., Middle Tennessee State University	pfoster@mtsu.edu	128.187, 128.188	Fujioka, T. , University of Tsukuba	fujiot@kansei.tsukuba.ac.jp	134.061
Fountain, C. , Columbia University	cf2337@columbia.edu	118.00	Fukuda, K. , University of Oregon	keisukef@uoregon.edu	134.027
Foxe, J. J. , Ph.D., Albert Einstein College of Medicine	foxe@nki.rfmh.org	110.077, 110.078	Fullana, M. , Dr, Kings College London, Institute of Psychiatry	miguel.fullana@kcl.ac.uk	105.055, 108.006
Frackowiak, J. , New York State Institute for Basic Research in Developmental Disabilities	janusz.frackowiak@omr.state.ny.us	114.001, 116.003	Fuller, A. , UCLA	afuller85@ucla.edu	128.134

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Fung, G. , University of Hong Kong	cmgfung@hku.hk	116.036	Gayman, C. , Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	cassandra.gayman@choa.org	105.014
Fung, L. , Stanford University	lawrence.k.fung@gmail.com	108.008	Gealy, W. , University of Miami	w.gealy@gmail.com	128.010
Fusaro, M.	mariafusaro@yahoo.com	105.015	Geier, Sr., J. , Children's Hospital of Eastern Ontario	jdunnger@cheo.on.ca	128.148
Fussell, J. , MD, University of Arkansas for Medical Sciences	fusselljilj@uams.edu	110.013	Genestine, M. , Robert Wood Johnson Medical School	genestmp@umdnj.edu	104.003
<b>G</b>			Gengoux, G. W. , PhD, BCBA-D, Stanford University School of Medicine/Lucile Packard Children's Hospital	gracegengoux@yahoo.com	108.004
Gabrieli, J. D. , Massachusetts Institute of Technology	gabrieli@mit.edu	133.005	Geoffray, M. , Institut des sciences cognitives	mmgeoffray@hotmail.com	128.056
Gabriels, R. , The University of Colorado at Denver and Health Sciences Center	gabriels.robin@tchden.org	105.105, 116.126	Georgiades, S. , Offord Centre for Child Studies, McMaster University	georgis@mcmaster.ca	105.137, 128.003, 128.004, 128.029, 128.102, 134.080, 134.114
Gabrielsen, T. , MS, University of Utah	Terisa.P.Gabrielsen@utah.edu	128.085	Gerber, A. J. , Columbia University / New York State Psychiatric Institute	gerbera@childpsych.columbia.edu	128.080
Gadgil, M. , University of Colorado Denver, Anschutz Medical Campus	milind.gadgil@ucdenver.edu	116.061	Gerdts, J. , University of Washington	jvarley@u.washington.edu	109.001, 110.083
Gaffrey, M. , University of Washington in St. Louis	mgaffrey@uwm.edu	128.121	Gerig, G. , University of Utah	gerig@sci.utah.edu	125.003, 125.004
Gage, N. , PhD, University of Missouri	nag7b6@mizzou.edu	128.154	Germone, M.	mgermone@yahoo.com	128.063
Gage, N. M. , PhD, University of California, Irvine	ngage@uci.edu	101.003	Geschwind, D. , M.D., Ph.D., University of California, Los Angeles	dhg@mednet.ucla.edu	106, 103.001, 104.001, 104.004, 106.001, 110.021, 110.043, 110.047, 124.003, 124.008
Gaigg, S. B. , City University London	s.b.gaigg@city.ac.uk	134.046	Geurts, H. M. , University of Amsterdam	h.m.geurts@uva.nl	134.002, 134.043
Gal, E. , PhD, University of Haifa	eynatgal@gmail.com	105.088, 105.098	Ghadami, M. , Research Center, Ministry of Education	drghadami50@gmail.com	110.051
Galdston, M. , Psychiatric and Neurodevelopmental Genetics Unit, Center for Human Genetic Research, Massachusetts General Hospital	mgaldston@partners.org	109.006	Ghali, L. , Sinneave Family Foundation	ghali@ucalgary.ca	116.110
Gallagher, L. , Trinity College Dublin	gala@ucd.ie	105.146	Ghannam, M. , King Faisal Specialist Hospital and Research Center	mghannam@kfsshr.edu.sa	110.055
Gallinat, J. , Charite - Universitaetsmedizin Berlin	juergen.gallinat@charite.de	103.002	Gharib, A. , Caltech	agharib@caltech.edu	134.074
Gantman, A. , Psy.D., UCLA Semel Institute for Neuroscience & Human Behavior	agantman@mednet.ucla.edu	105.082, 105.154, 128.112, 134.128	Ghazanfar, A. , Ph.D., Princeton University	asifg@princeton.edu	134.135
Garavan, H. , Trinity College	hugh.garavan@tcd.ie	103.002	Ghilain, C.	csghilain@gmail.com	116.139
Garcia, K. , M.Sc., McMaster University	garciak@mcmaster.ca	110.006	Ghoneim, O. M. , Ph.D., College of Pharmacy, Qatar University	olaag@qu.edu.qa	110.116, 116.097
Garcia-Primo, P. , National Research Institute for Rare Diseases. Instituto de Salud Carlos III	garciaprimo@isciii.es	126.001	Giampetro, V. , King's College London, Institute of Psychiatry	vincent.giampetro@kcl.ac.uk	133.007
Garcia-Primo, P. , Instituto de Salud Carlos III	pgarciaprimo@isciii.es	116.106	Giarelli, E. , EdD, RN, University of Pennsylvania	giarelli@nursing.upenn.edu	110.108, 116.114
Gardiner, J. M. , City University London	john.gardiner.1@city.ac.uk	134.046	Gibbs, V.	varleisha@hotmail.com	116.174
Gardner, J. , New York State Institute for Basic Research in Developmental Disabilities	karmelgardner@si.rr.com	128.038	Gibson, B. , Oregon Social Learning Center	brandong@oslrc.org	134.027
Garib-Penna, S. , University of Birmingham	s.garibpenna@gmail.com	116.144	Giedd, J. , National Institute of Mental Health	gjgiedd@mail.nih.gov	116.031, 120.006
Garzon, D. , Ph.D., McMaster University	djgarzon@hotmail.com	110.006	Giesing, C. , University of Missouri	cg5yb@mail.mizzou.edu	110.126
Gastgeb, H. Z. , Ph.D., University of Pittsburgh	hoz8@pitt.edu	134.037	Gifford, T. , University of Connecticut	timothy.gifford@uconn.edu	105.069, 105.074
Gates, A. , Psychiatric and Neurodevelopmental Genetics Unit, Center for Human Genetic Research, Massachusetts General Hospital	gates@pngu.mgh.harvard.edu	109.006	Gilbert, E. , Centre de Recherche Université Laval Robert-Giffard	elsa.gilbert.1@ulaval.ca	134.069
Gay, E. , University of North Carolina at Chapel Hill	elena_gay@med.unc.edu	132.003	Gilbert, J. , John P Hussman Institute for Human Genomics	jjgilbert@med.miami.edu	105.172, 110.053, 110.054, 114.005

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Gilbert, S. , PhD, University College London	sam.gilbert@ucl.ac.uk	116.045	Goldring, S., UC Davis MIND Institute	stacygoldring@gmail.com	109.002
Gilkerson, J. , Ph.D.	jill.gilkerson@gmail.com	113.008, 116.152, 128.091	Goldson, E. , MD, The Children's Hospital / The Children's Hospital / The University of Colorado at Denver and Health Sciences Center	goldson.edward@tchden.org	105.105
Gillan, N.	nicola.gillan@kcl.ac.uk	128.021	Goldstein, G. , Ph.D., VA Pittsburgh Healthcare System	ggold@nb.net	134.007
Gillard, J. , University of Glasgow	0800448G@student.gla.ac.uk	110.164	Gomes, H. , Ph.D., City College of New York	hgomes@earthlink.net	110.077, 110.078
Gillberg, C. , Neurosciences Unit, Institute of Child Health	christopher.gillberg@pediat.gu.se	134.073	Gomez, L. , University of California, Los Angeles	lovellag@gmail.com	138.008
Gillespie, J. , Dalhousie University	JC325897@DAL.CA	134.039	Gomez, T. , NYS Institute for Basic Research in DD	trovito@gmail.com	128.038
Gillespie, K. , University of California, Los Angeles	proserpinae@hotmail.com	128.152, 138.007	Gomez-Acevedo, H. , PhD, UAMS, Arkansas Childrens Hospital	GomezacevedoHoracio@uams.edu	128.184
Gillespie-Lynch, K. , MA	proserpinae@ucla.edu	116.140, 134.014, 134.144, 137.003, 138.008	Gonzalez, M.	Maripaz.Gonzalez@omr.state.ny.us	128.038
Gillilan, N. , Institute of Psychiatry, Kings College London	nicola.gillilan@kcl.ac.uk	116.022	Goodman, L. , Dalhousie University	laura.goodman@dal.ca	134.070
Gilliland, R. , M.A., Brigham Young University	gillilandrandy@gmail.com	134.024	Goods, K. , M.A., University of California, Los Angeles	kstickles@mednet.ucla.edu	101.004, 105.035, 128.095
Ginsberg, L. , Red Oak Psychiatry Associates	larrydg@earthlink.net	137.008	Goodwin, A. , University of Connecticut	anthony.goodwin@uconn.edu	128.140
Gionfriddo, K. , Hospital for Sick Children	kristin.gionfriddo@sickkids.ca	116.127	Goodwin, M. , Ph.D	mgoodwin@media.mit.edu	116.156, 116.159
Gisel, E. , McGill University	erka.gisel@mcgill.ca	105.141, 110.194	Gorczyca, P. , Medical University of Silesia	gormasp@o2.pl	105.169
Giserman, I. , Children's Hospital of Philadelphia	Gisermani@email.chop.edu	128.036	Gordon, I. , Yale University	ilanit.gordon@yale.edu	116.062
Gissler, M. , THL National Institute for Health and Welfare	mika.gissler@thl.fi	122.001, 122.002, 122.003, 122.004	Gordon, M. , MD, Orillia Soldiers Memorial Hospital	MMGordon@osmh.on.ca	134.020
Gjolaj, N. , MA, Children's Hospital of Michigan Autism Center	mbehen@pet.wayne.edu	128.045, 128.046, 128.092	Gorka, B. , MS	bgorka@dmc.org	105.178, 128.044, 128.045, 128.090, 128.092
Glaser, K. , Dr , Kings College London	karen.glaser@kcl.ac.uk	105.170	Gorrindo, P. , Vanderbilt University	phil.gorrindo@vanderbilt.edu	103.001, 116.163, 128.185
Glatt, S. , SUNY Upstate Medical University	glatts@upstate.edu	124.005	Goswami, A. , Stanford University School of Medicine	arpitag_12@yahoo.com	110.008
Glausser, M. , BA, Thoughtful House Center for Children	meg.g@thoughtfulhouse.org	110.123	Gotham, K. , University of Michigan Autism and Communication Disorders Center	kog@umich.edu	119.003
Glessner, J.	GLESSNER@CHOP.EDU	114.008	Gotts, S. , PhD, NIMH/NIH	gottss@mail.nih.gov	116.031
Gliga, T. , Birkbeck	t.gliga@psychology.bbk.ac.uk	115.004, 128.111, 138.003	Gould, J. , National Autistic Society	judithgould@nas.org.uk	132.002
Globerson, E. , Bar-Ilan University	gleitan@zahav.net.il	134.089	Goursaud, A. , Ph.D., Emory Department of Psychology & Yerkes National Primate Center	agoursa@emory.edu	104.002
Godbout, R. , Universite de Montreal	roger.godbout@umontreal.ca	115.008, 128.195, 128.196, 128.197, 134.110	Gouttard, S. , University of Utah	gouttard@sci.utah.edu	125.004
Goel, A. , Georgia Tech	goel@cc.gatech.edu	134.033	Gower, M. , University of Alabama at Birmingham	gowerm@uab.edu	128.030, 128.132, 128.160, 128.175
Goh, S. , M.D., Columbia University	suzgoh@gmail.com	116.150	Gozzi, M. , National Institute of Mental Health	gozzim@mail.nih.gov	120.006
Goin-Kochel, R. , PhD, Baylor College of Medicine	koche@bcm.tmc.edu	105.011, 116.130, 128.013, 128.022, 128.070, 128.120	Gracey, C.	carolyn.gracey@postgrad.manchester.ac.uk	116.155
Goines, P. E. , University of California, Davis	pegoin@ucdavis.edu	128.166	Gradisar, M. , PhD, Flinders University	grad0011@flinders.edu.au	128.192
Golan, O. , Bar-Ilan University	og211@cam.ac.uk	105.061, 134.022, 134.089	Gragg, M. N. , University of Windsor	mragg@uwindsor.ca	105.010, 116.116, 128.077
Golas, M. , B.S., Vanderbilt University	melissa.golas@vanderbilt.edu	105.068	Gralla, J. , The University of Colorado at Denver and Health Sciences Center	Gralla.Jane@tchden.org	105.105
Gold, J. , University of California, San Francisco	jacquelyn.gold@gmail.com	116.055	Grandin, T. , Ph. D., Colorado State University	cheryl.miller@colostate.edu	116.065
Goldberg, W. A. , Ph.D., University of California, Irvine	wendy.goldberg@uci.edu	110.150, 116.136, 134.066	Granot-Hershkovitz, E. , The Hebrew University of Jerusalem	einatgranot@gmail.com	124.004
Goldknopf, E. Vanderbilt University	egoldknopf@gmail.com	134.144			
Goldman, S. E. , PhD,	Suzanne.E.Goldman@Vanderbilt.edu	105.126, 107.006, 116.145, 128.191, 137.006			



# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Granpeesheh, D. , Center for Autism and Related Disorders	d.granpeesheh@centerforautism.com	110.137	Grossman, R. , Emerson College	ruth_grossman@emerson.edu	128.094
Grantham, C. , University of Alabama at Birmingham	court508@uab.edu	128.030	Grossniklaus, A. , Georgia State University	ann.grossniklaus@gmail.com	128.107
Grantz, C. J. , M.S., University of Miami	caroline.grantz@gmail.com	128.087, 128.156	Grove, J. , MS, PhD , Faculty of Health Sciences, Aarhus University	grove@humgen.au.dk	131.005
Gratchev, V. , Dr., Institute of Radio-Engineering and Electronics, Russian Academy of Sciences	vpf_child@mail.ru	110.075	Grove, M.	Megan.L.Grove@uth.tmc.edu	110.121
Grawemeyer, B. , Dr, Bath University	bg230@cs.bath.ac.uk	134.035	Grynszpan, O. , CNRS USR 3246, Université Pierre et Marie Curie	ouriel.grynszpan@upmc.fr	116.166
Gray, C. , Puget Sound Psychology & Consulting	cgrayconsulting@hotmail.com	128.038	Gu, H. , University of North Carolina	hongbin_gu@unc.edu	125.001, 125.002, 125.003, 125.004
Green, A. , BA, University of Connecticut	allison.green@huskymail.uconn.edu	128.017	Guest, K. , Ph.D., University of Alabama at Birmingham	kguest@uab.edu	110.105, 110.146, 110.149, 128.030, 128.132, 128.160, 128.175
Green, C. , BS, Olga Tennis Autism Research Centre	c.green@latrobe.edu.au	128.024	Guild, C. , Saint Louis University	guildc@slu.edu	110.145
Green, J. , Ph.D., University of Connecticut	james.green@uconn.edu	110.141	Guillemin, G. , PhD, UNSW	g.guillemin@unsw.edu.au	110.016
Green, III, J. , The Evergreen Center	theevergreencenter@msn.com	110.137	Guisuraga, Z. , Universidad de Salamanca	zguisuraga@usal.es	116.106
Green, J. , University of Manchester	jonathan.green@manchester.ac.uk	105.109, 121.002	Guisuraga Fernández, Z. , University of Salamanca	zguisuraga@usal.es	126.001
Green, P. , Univ. of California Davis	pggreen@ucdavis.edu	131.004	Gulsrud, A. , Ph.D., UCLA	acgulsrud@yahoo.com	128.095
Green, S. , University of Pittsburgh	sarag1187@gmail.com	116.077, 134.090	Gunal, O. , Mt Sinai Medical Center	ozlem.bozdagi@mssm.edu	110.022
Green, S. , M.A.	shulamitegreen@gmail.com	116.013	Gunnes, N. , Norwegian Institute of Public Health	nigu@fhi.no	110.148
Greenberg, J. , University of Wisconsin	greenberg@waisman.wisc.edu	128.181	Gurnsey, R. , Dr., Concordia University	rick.gurnsey@concordia.ca	134.117
Greenberg, K. , B.A., Children's Hospital Boston	kayla.greenberg@childrens.harvard.edu	128.062	Guter, S. J. , University of Illinois at Chicago	sguter@psych.uic.edu	128.068
Greene, D.	deannagreene@gmail.com	116.056	Guthrie, W. , Florida State University	whitney.guthrie@med.fsu.edu	128.083, 128.163
Greenfield, P. , UCLA	Greenfield@psych.ucla.edu	116.140, 134.014	Gutierrez, A. , Ph.D., University of Miami	agutierrez@psy.miami.edu	105.031, 116.139
Green Snyder, L. , Ph.D., University of Michigan	lags@umich.edu	116.118	Gutierrez, R. , University of California, San Diego	beckyg@ucsd.edu	105.104
Greenson, Ph.D. J. , University of Washington	greenson@u.washington.edu	110.183, 128.002	Gwaltney, M.	Gwaltney@surewest.net	110.161, 116.149
Grenesko, E. L. , San Diego State University	egrenesko@mac.com	128.035			
Grether, J. K. , California Department of Public Health	judith.grether@cdph.ca.gov	114.003, 131.002, 131.004, 131.006	<b>H</b>		
Grether, J. , PhD	judith.grether@cdph.ca.gov	110.103	Haapanen, L. , University of California, Davis	ldhaapanen@ucdavis.edu	128.166
Grèzes, J. , INSERM	julie.grezes@ens.fr	110.180	Habak, C. , Institute of Geriatrics, University of Montréal	ne.habak@umontreal.ca	134.100
Griebel, M. , MD, UAMS, Arkansas Childrens Hospital	GriebelMayL@uams.edu	128.184	Haddad, S. , Psychiatric and Neurodevelopmental Genetic Unit, Center for Human Genetic Research, Massachusetts General Hospital	shaddad@pngu.mgh.harvard.edu	110.051
Griffith, E. , University of Colorado at Denver	Elizabeth.Griffith@UCDENVER.EDU	110.146	Haenig, S. , MA, Saarland University Hospital	Susann.Haenig@uniklinikum-saarland.de	134.008
Grim, K. , University College London	k.grim@ucl.ac.uk	134.130	Hagerman, R. , U.C. Davis MIND Institute	Randi.Hagerman@ucdmc.ucdavis.edu	134.032, 134.071
Grisnik, J. , University of North Carolina at Chapel Hill	jennifer_grisnik@med.unc.edu	105.099	Hagler, D. , University of California, San Diego	dhagler@ucsd.edu	120.003
Griswold, A. , John P Hussman Institute for Human Genomics	agriswold@med.miami.edu	114.005	Hahler, E. , Université de Montréal	eva-maria.hahler@umontreal.ca	134.115
Grønberg, T. , University of Aarhus	therese@biostat.au.dk	122.001, 122.002, 122.003, 122.004	Haines, J. , Vanderbilt University	jonathan@chgr.mc.vanderbilt.edu	105.172, 110.053, 110.054, 114.005
Grondhuis, S. N. , M.A., University of California, Irvine	grondhuis.1@osu.edu	105.118	Hakonarson, H. , CHOP	hakonarson@email.chop.edu	114.008
Grosberg, D. , M.A., Claremont Graduate University	denise@denisegrosberg.com	116.178	Hall, A. V. , Ph.D	viviha34@yahoo.com	116.105
Gross, R. , Columbia University	rg547@columbia.edu	122.001, 122.002, 122.003, 122.004	Hall, D. , National Institute of Mental Health (NIMH)	halldan@mail.nih.gov	110.039, 116.182
Grossberg, S. , Boston University	steve@bu.edu	134.047	Hallmayer, J. , Stanford University	joachimh@stanford.edu	114, 114.003, 124.008

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Halpern, J. , Fordham University	jahalpern@fordham.edu	102.005	Hartman, C. A. , University of Groningen and University Medical Center Groningen	c.hartman@accare.nl	134.001
Hamilton, D. , Dr, Australian Catholic University	David.Hamilton@acu.edu.au	105.140	Hasegawa, T. , The University of Tokyo	thase@darwin.c.u-tokyo.ac.jp	134.124
Hamilton, K. , John P Hussman Institute for Human Genomics	khamilton@med.miami.edu	105.172	Haslinger, D. , Paris-Lodron University	denise.haslinger@sbg.ac.at	110.014
Hamlin, T. , Center for Discovery	thamlin@sdtc.org	105.021, 105.065	Hassenfeldt, T. , B.A., Virginia Polytechnic Institute & State University	thassen@vt.edu	128.118
Hamm, J. , Dr, University of Auckland	j.hamm@auckland.ac.nz	136.007	Hatt, N. , University of California, Davis	nvhatt@ucdavis.edu	110.161, 116.023, 116.149
Hancock, L. N. ,	lhancock@yorku.ca	134.075, 134.101	Hautus, M. , Dr, University of Auckland	m.hautus@auckland.ac.nz	136.007
Handen, B. , University of Pittsburgh School of Medicine	handenbl@upmc.edu	105.128	Hawkins, L. , UCSD	laura.y.hawkins@gmail.com	110.068
Hankins, A. , Sutter Institute for Medical Research	hankina@sutterhealth.org	128.165	Hayder, S. , Qatar University	200564459@qu.edu.qa	110.116, 116.097
Hanley, A. , National Institute of Mental Health	hanleya@mail.nih.gov	120.006	Hayes, G. R. , University of California, Irvine	hayesg@uci.edu	116.147
Hanlon, A. , PhD, University of Pennsylvania	ahanlon@nursing.upenn.edu	116.114	Hazin, R. , University of California, San Diego	rhazin@ucsd.edu	128.054
Hannigen, S. F. , University of Pittsburgh	sfh8@pitt.edu	134.104	Hazlett, H. C. , University of NC	heather_cody@med.unc.edu	125, 125.003, 125.004, 128.072, 134.094
Hannum, C. , SUNY Upstate Medical University	hannumc@upstate.edu	105.107	Heacock, J. , Vanderbilt University	jessica.l.heacock@vanderbilt.edu	134.119
Hansen, R. , University of North Dakota	Rachelle.Brindley@und.edu	134.055	Head, L. Waisman Center	lara.head@gmail.com	116.134
Hansen, R. , MD, University of California at Davis	rlhansen@ucdavis.edu	110.103, 110.119, 110.125, 110.129, 110.133, 128.166, 131.001, 131.007	Heathcock, J. , PhD, MPT, The Ohio State University	jill.heathcock@osumc.edu	105.179
Hanson, E. , PhD, Harvard Medical School of Utah	ellen.hanson@childrens.harvard.edu	105.097, 105.147, 128.051, 128.062	Heatherly, J. , University of Oklahoma Health Science Center	Jessica-Heatherly@ouhsc.edu	110.028
Hao, X. , University of Utah	hao@cs.utah.edu	120.005	Hebert, L. , Praxis, Inc.	LHebert@praxisnetlearning.com	116.161
Happe, F. , Institute of Psychiatry, KCL	f.happe@iop.kcl.ac.uk	110.172, 134.132	Hecht, P.	pmhp6d@mizzou.edu	110.126, 128.188
Hardan, A. , M.D. Stanford University School of Medicine/Lucile Packard Children's Hospital	hardanay@stanford.edu	108, 105.157, 108.004, 108.008, 110.008, 110.009, 110.128, 120.008, 128.027, 128.067, 128.089, 132.007	Heeger, D. , New York University	david.heeger@nyu.edu	116.012
Hardy, S.	sarah5487@gmail.com	110.141	Heinz, A. , Charite - Universitaetsmedizin Berlin	andreas.heinz@charite.de	103.002
Hare, A.	abhare@eden.rutgers.edu	105.163, 128.136	Heller, A. C. , MD, Huntington Memorial Hospital	hmfneurosurgery@gmail.com	110.081
Harker, C. , BA, University of Pennsylvania	colleen.m.harker@gmail.com	105.123	Hellriegel, J. , Great Ormond Street Hospital for Children	j.hellriegel@ich.ucl.ac.uk	110.192
Harpster, K.	karen.harpster@osumc.edu	110.066	Helt, M. , University of Connecticut	mollyhelt@aol.com	128.017, 128.018, 128.088, 128.158
Harrington, R. , MPH, Johns Hopkins Bloomberg School of Public Health	rharring@jhsph.edu	110.125	Helverschou, S. B. , The National Autism Unit, Oslo University Hospital	s.b.helverschou@rikshospitalet.no	105.161
Harris, A. , University of Alabama at Birmingham	abbey806@uab.edu	128.030, 128.160	Hemo, B. , Maccabi Healthcare Services	hemo_b@mac.org.il	110.097
Harris, A. , FPG Child Development Institute	anne.harris@unc.edu	128.071	Henderson, H. A. , University of Miami	h.henderson@miami.edu	110.061, 134.097, 134.109
Harris, J. , Ph.D., Children's Specialized Hospital	jharris@childrens-specialized.org	116.084, 116.085	Henkelman, R. M. , The Hospital for Sick Children	mhenkel@phenogenomics.ca	110.024
Harris, S. W. , M.I.N.D Institute, University of California at Davis Medical Center	susan.harris@ucdmc.ucdavis.edu	134.071	Hepburn, S. , University of Colorado / JFK Partners	susan.hepburn@ucdenver.edu	105.047, 105.054, 105.062, 105.080, 109.002, 116.027, 116.047, 116.061, 116.071, 134.059
Harrison, A. , McMaster University	aharrison@mcmaster.ca	101.002	Herbert, M. , Massachusetts General Hospital	mherbert1@partners.org	110.065
Harrison, B. , M.A., University of Rochester	bryan.harrison@rochester.edu	105.073	Herguner, A. , Meram Faculty of Medicine	arzu_samur@yahoo.com	128.169, 128.172
Hartlala, J. , University of Southern California Keck School of Medicine	hartlala@usc.edu	110.133	Herguner, S. , Bakirkoy State Hospital for Psychiatry	cocukergen@yahoo.com	128.169, 128.172
Hartley, S.	hartley@waisman.wisc.edu	116.134, 128.069	Herlihy, L.	lauren.herlihy@uconn.edu	102.003, 110.142
			Herman, E. , The University of California, Los Angeles	eherman@ucla.edu	110.021
			Herman, G. , M.D., Ph.D.	gail.herman@nationwidechildrens.org	124.002

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Hermans, K., Katholieke Universiteit Leuven	kristien.hermans@ped.kuleuven.be	105.041	Hoekstra, R., Open University	R.A.Hoekstra@open.ac.uk	110.034, 134.013, 134.016
Hernandez, L., Brain Mapping Center, University of California, Los Angeles	leannahernandez3@gmail.com	103.001, 116.058, 120.004, 136.003	Hoffmann, F., Yale University	ferdinand.hoffmann@yale.edu	116.066
Hernandez, Y., M.D., St. Luke's Memorial Hospital	yanira_hn1@yahoo.com	110.057	Holcomb, C., B.A., Caltech	cholcomb@caltech.edu	134.084
Hernandez-Guzman, L., PhD, UNAM	tdah.autismo@gmail.com	128.122	Hollander, E., Montefiore Medical Center University Hospital, Albert Einstein College of Medicine	eholland@montefiore.org	116.067
Herpertz-Dahlmann, B., University Hospital Aachen	bherpertz-dahlmann@ukaachen.de	110.089	Holmboe, K., Centre for Brain and Cognitive Development	k.holmboe@psychology.bbk.ac.uk	115.004
Herraez, L., Universidad de Salamanca	lorenahg@usal.es	116.106	Holt, R.	rh465@cam.ac.uk	116.060, 136.004
Herraez, M., Universidad de Salamanca	marhg@usal.es	116.106	Holtzclaw, T.	tiaholtz@gmail.com	132.004
Herráez-García, L., University of Salamanca	lorenahg@usal.es	126.001	Holtzclaw, T. N., University of Alabama	tnholtzclaw@bama.ua.edu	128.155, 132.001
Herraez García, M. M., University of Salamanca	marhg@usal.es	126.001	Honeycutt, B., FPG, The University of North Carolina	bhoneycu@email.unc.edu	128.071
Herrington, J., PhD, Children's Hospital of Philadelphia	herringtonj@email.chop.edu	116.019, 136.006	Hong, H.	hhong31@gatech.edu	116.095
Herry, C., Neurodevelopmental Program, Riviere des Prairies Hospital	herrychl@gmail.com	116.153	Hopkins, J., UCLA Center for Autism Research and Treatment	jmlhopkins@gmail.com	116.014
Hertz-Picciotto, I., PhD, University of California, Davis	ihp@ucdavis.edu	110.119, 110.125, 110.129, 110.133, 128.166, 131.001, 131.003, 131.007, 131.008, 134.023	Hornbeak, K., Stanford University School of Medicine	khornbeak@gmail.com	110.009, 110.128
Herzenberg, L., Stanford University School of Medicine	lenherz@stanford.edu	108.008, 110.008	Horner, P. L., Ph.D., For OC Kids Neurodevelopmental Center	phorner@uci.edu	128.057
Herzenberg, L., Stanford University School of Medicine	leeherz@darwin.stanford.edu	110.008	Hornig, M., Columbia University	mh2092@columbia.edu	110.148, 122.001, 122.002, 122.003, 122.004
Herzing, L., Northwestern University Feinberg School of Medicine	lherzing@northwestern.edu	110.031	Horvath, S., University of North Carolina at Chapel Hill	sabrina_horvath@med.unc.edu	105.099
Herzog, M.	herzogm@missouri.edu	105.067, 110.094, 137.005	Horwitz, E., Groningen University Medical Center	e.horwitz@psy.umcg.nl	134.001
Heuer, L. S., B.S.	lsheuer@ucdavis.edu	110.018	Hottinger, K., BA, Albert Einstein College of Medicine	kate.hottinger@gmail.com	105.129, 116.121, 128.040, 128.129
Hewitson, L., PhD	laura.h@thoughtfulhouse.org	110.123, 128.186	Hou, L., The Research Institute at Nationwide Children's Hospital & The Ohio State University	Liping.Hou@nationwidechildrens.org	105.163, 128.136
Higley, J., PhD, Brigham Young University	james_higley@byu.edu	110.045, 134.024	Hou, X. P., New York University	pamxh@hotmail.com	116.001
Hileman, C., MIND Institute	camillam@live.com	134.109	Houck, K., University of Michigan Autism and Communication Disorders Center	sohkim@umich.edu	128.050
Hill, E., Reader in Psychology, Goldsmiths University of London	e.hill@gold.ac.uk	128.116	Hougaard, D., MD, D.Sc., Statens Serum Institut	DH@ssi.dk	131.005
Hill, S., UCSF	susannahill@gmail.com	116.053	Houge, M., Marquette University	myah.houge@marquette.edu	105.070
Hilton, C. L., PhD, OTR/L, Washington University	hiltonc@psychiatry.wustl.edu	105.180	Howard, P., REEG, Vanderbilt University Medical Center	peter.howard@vanderbilt.edu	115.007
Hine, J.	jeffhine@uga.edu	105.114	Howarth, K., McGill University	krista.howarth@mail.mcgill.ca	134.085
Hinkley, L.	leighton.hinkley@radiology.ucsf.edu	116.053, 116.055	Howell, S., Ph.D, NJ State Health Department	sandra.howell@doh.state.nj.us	102.007, 110.111, 118.008
Hirsh-Pasek, K., Temple University	khirshpa@temple.edu	128.139	Howells, H., King's College London	etta.howells@gmail.com	116.029
Ho, T., University of Hong Kong	cmgfung@hku.hk	116.036	Howlin, P., Institute of Psychiatry, King's College London	patricia.howlin@kcl.ac.uk	112, 112.001, 112.005, 118.005
Hobbs, M., PhD, University of Utah	m.hobbs@hsc.utah.edu	110.050	Hoyle, K., Ph.D., Columbia University, NYS Psychiatric Institute	hoylek@childpsych.columbia.edu	116.150
Hobson, J. A., Institute of Child Health	j.hobson@ich.ucl.ac.uk	134.076	Hsu, M., Chang Gung Memorial Hospital	amy550304@gmail.com	105.058
Hobson, P., University College London and Tavistock Clinic, London	r.hobson@ich.ucl.ac.uk	134.076	Hsueh, E., UC Denver	Esther.Hsueh@ucdenver.edu	128.174
Hodgens, J. B., University of Alabama at Birmingham	bhodgens@uab.edu	105.060	Hu, V., The George Washington University Medical Center	bcmvwh@gwumc.edu	110.056, 114.004
Hodgetts, S., PhD, University of Alberta	sandra.hodgetts@ualberta.ca	105.038, 105.166			
Hodnett, J., Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	jennifer.hodnett@choa.org	105.096			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Huang, S., Ph.D., Taitung University	sofum@cc.nttu.edu.tw	110.178	Imlay, K., California State University Northridge	kaleiya.imalay.72@my.csun.edu	105.059
Hudenko, W., Ithaca College	whudenko@ithaca.edu	110.191	Inada, N., National Center of Neurology and Psychiatry, Japan, National Institute of Mental Health	n-inada@ncnp.go.jp	126.002
Hudry, K.	k.hudry@ioe.ac.uk	115.004, 128.042, 128.111	Ing, N., University of Cape Town	nataliaing86@gmail.com	134.139
Huerta, M., Ph.D., University of Michigan	mahuerta@uic.edu	119.003	Ingallhalikar, M., Ph.D., University of Pennsylvania, Section for Biomedical Image Analysis	Madhura.Ingalhalikar@uphs.upenn.edu	116.076
Huerta, M., PhD, National Institute of Mental Health	mhuert1@mail.nih.gov	110.039, 116.182	Inge, A., Ph.D., Kennedy Krieger Institute	apinge@gmail.com	128.066
Hughes, C., Ph.D., Vanderbilt University	carolyn.hughes@vanderbilt.edu	105.068	Ingersoll, B., PhD, Michigan State University	ingers19@msu.edu	105.001, 105.021, 105.077, 116.181
Hughes, S., Pathways	shughes@pathwayschildrenyouth.org	113.005	Innocenti, M., AGRABAH Parent Association for Parents	marianna.innocenti@alice.it	105.064
Hultman, C., Karolinska Institutet	Christina.Hultman@ki.se	122.001, 122.002, 122.003, 122.004	Inokuchi, E., University	eikoi@ncnp.go.jp	126.002
Humberd, Q., M.D., Blanchfield Army Community Hospital	quentin.humberd@us.army.mil	110.151	Intille, S. S., Massachusetts Institute of Technology	intille@mit.edu	116.156
Hume, K., Frank Porter Graham Child Development Institute, University of North Carolina, Chapel Hill	hume@fpg.unc.edu	116.088, 116.139, 128.031	Iosif, A., UC Davis	aiosif@ucdavis.edu	109.002, 131.001
Humphrey, A.	Ayla.Humphrey@cpft.nhs.uk	116.010	Irvin, D., University of North Carolina at Chapel Hill	dwirvin@email.unc.edu	116.088
Humphreys, B. P., M.Ed, University of New Hampshire	ephum@email.unc.edu	116.087	Isawi, D., Palestinian Happy Child Center	phcc99@palnet.com	116.10
Hundley, R., Vanderbilt University	rachel.j.hundley@vanderbilt.edu	110.041, 128.070	Isenberg, A. L., B.A., University of California, Irvine	aisenber@uci.edu	101.003
Hung, S., Kwai Chung Hospital	cmgfung@hku.hk	116.036	Isenhow, R., Rutgers University	risenhow@rci.rutgers.edu	134.137
Hunt, J.	jhunt@childrens-specialized.org	105.090	Ishijima, E., University of California, Los Angeles	ehishi@gmail.com	105.035
Hunter, J., Oklahoma Medical Research Foundation	Jerrold-Hunter@ouhsc.edu	110.028	Ito, H., M.A., Nagoya University	ito@nagoya-u.ac.jp	116.091, 116.104
Hunyadi, E., Children's Hospital of Philadelphia	hunyadie@email.chop.edu	116.019, 136.006	Ito, K., National Center for Geriatrics and Gerontology	kito@ncgg.go.jp	116.041
Hurewitz, F., Ph.D., Drexel University	fdh23@drexel.edu	105.008, 128.108	Ivanisevic, M.	mirjana.ivanisevic@gmail.com	110.187
Hus, V., MSc, University of Michigan	vhus@umich.edu	119.003, 128.013, 128.083, 128.144	Iverson, J. M., University of Pittsburgh	jverson@pitt.edu	138.005, 138.006
Hutman, Ph.D, T., Ph.D., University of California, Los Angeles	hutman@ucla.edu	105.036, 105.171, 110.068, 116.140, 128.152, 134.014, 134.144, 137.003, 138.007, 138.008	Iwata, N., Fujita Health University School of Medicine	nakao@fujita-hu.ac.jp	116.041
Huynh, L., UCLA	nancylinh@gmail.com	128.134	Iwata, Y., Hamamatsu University School of Medicine	iwata@hama-med.ac.jp	116.037
Hyde, K., PHD Research Institute of the Montreal Children's Hospital, McGill University	krista.hyde@mcgill.ca	134.116			
Hyde, S.	shellieh@stanford.edu	110.009	<b>J</b>		
Hyman, A., The George Washington University Medical Center	susoc93d@gmail.com	114.004	Jack, A., M.A., University of Virginia	ajack@virginia.edu	116.038
Hyman, S., University of Rochester School of Medicine	susan_hyman@urmc.rochester.edu	105.106, 105.107, 105.111, 107.001, 110.007, 128.145, 134.142, 137.007	Jackson, L., University of Michigan Autism and Communication Disorders Center	eljacks@umich.edu	128.083
<b>I</b>			Jacob, S., University of Illinois at Chicago	sumajacob@gmail.com	128.068
Iacoboni, M., UCLA	iacoboni@ucla.edu	116.056, 116.058, 120.004, 136.003	Jacobi, C., Vanderbilt University	celina.r.jacobi@vanderbilt.edu	134.119
Iarocci, G., PhD, Simon Fraser University	giarocci@sfu.ca	116.167, 134.131	Jacques, C., Centre d'excellence en Troubles envahissants du developpement de l'Universite de Montreal (CETEDUM)	claudinejak@hotmail.com	132.006
Ibanez, L., Ph.D., University of Miami	lisavibanez@gmail.com	128.010, 128.156	James, E., Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	erica.james@choa.org	105.024
Ida-Eto, M., Mie University	etom@doc.medic.mie-u.ac.jp	110.023			
Imaki, H., New York State Institute for Basic Research in Developmental Disabilities	humi.imaki@omr.state.ny.us	116.004, 116.005, 116.007			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
James, S. J. , Ph.D, University of Arkansas for Medical Sciences	jamesjill@uams.edu	107.001, 110.007, 110.013, 110.020, 128.184	Johnson, W. , UMDNJ-RWJMS	wjohnson@umdnj.edu	114.007
Jamison, N. , Brigham Young University	nathankylejamison@gmail.com	110.045, 110.049, 110.086, 134.024	Johnston, A. , UNC	amanda.kayjohnston@gmail.com	128.051
Janvier, Y. , M.D., Children's Specialized Hospital	yjanvier@childrens-specialized.org	116.084, 116.085	Johnston, K. , Dr, Kings College London, Institute of Psychiatry	k.johnston@iop.kcl.ac.uk	105.055, 108.006
Jarrold, C. , Professor, University of Bristol	C.Jarrold@bristol.ac.uk	134.040	Johnston, K.	khj@sfu.ca	116.167
Jarrold, W. , PhD	william.jarrold@gmail.com	110.161, 116.149	Johnston, O. , Brigham Young University	ldsohjay@gmail.com	110.045, 110.049, 110.069, 110.086, 134.024
Jassi, A. , Dr., South London and Maudsley NHS Foundation Trust	amita.jassi@kcl.ac.uk	105.055, 108.006	Johnston, P. , Dr, King's College London	patrick.johnston@kcl.ac.uk	105.170, 116.022, 116.063
Javarone, M. , Linkalab	marcojavarone@gmail.com	128.151	Jokiranta, E. , University of Turku	ekjoki@utu.fi	110.127
Javier, C. , BA, Laurier University	christine.javier@gmail.com	105.143, 128.079	Jones, C. , Institute of Education	c.jones@ioe.ac.uk	134.132
Jaworski, J. , John P Hussman Institute for Human Genomics	jjaworski@med.miami.edu	114.005	Jones, E. , PhD, University of Washington	cathek@u.washington.edu	115.002
Jeanpierre, L. A. , University of Michigan Autism and Communication Disorders Center	ajeap@umich.edu	105.028	Jones, E. J. H. , University of Washington	ejjones@u.washington.edu	134.045
Jelinek, S. , BA , Michigan State University	jelinek6@msu.edu	105.001	Jones, J.	jessica.jones@choa.org	128.176, 134.113
Jenner, W. , Medical University of South Carolina	jennerw@musc.edu	110.099, 110.101, 110.109, 110.112	Jones, J. , BS, University of Illinois at Chicago	jjones56@uic.edu	110.030
Jeste, S. , MD, UCLA	sjeste@mednet.ucla.edu	110.059, 110.068, 138.007	Jones, K. , University of Missouri	KALZPD@mail.mizzou.edu	110.126
Ji, L. , Ph.D., NYS Institute for Basic Research in Developmental Disabilities	lina.ji@omr.state.ny.us	110.003	Jones, Ph.D, N. , Autism Speaks	njones@autismspeaks.org	128.183
Jiang, Y. , M.D., Ph.D., Baylor College of Medicine	yjiang@bcm.tmc.edu	127.003	Jones, R. , University of California at Los Angeles	rtjones@ucla.edu	104.001
Jiang, Y. , PhD, University of Minnesota	jiang166@umn.edu	134.060	Jones, W. , PhD, Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine	warren.jones@yale.edu	104.002, 110.171, 110.185, 110.188, 110.193, 110.195, 128.176, 134.113, 134.133, 134.135, 134.140, 138.004
Jilderda, S.	sjilderda@peelcc.org	109.004	Jones-Stokreef, N. , Orillia Soldiers Memorial Hospital	stokreefjones@sympatico.ca	134.020
Jimenez, E. , MD, Holland Bloorview Kids Rehabilitation Hospital	ejimenez@hollandbloorview.ca	134.020	Joseph, C. , Rutgers University	christij@psychology.rutgers.edu	110.176
Johnson, A. , University of North Dakota	allison.johnson2@und.edu	134.055	Joseph, L. , Ph.D., National Institute of Mental Health	jlisa@mail.nih.gov	128.137
Johnson, B. , Dr, Macquarie University	blake.johnson@macqs.mq.edu.au	136.007	Jou, R. , M.D., M.P.H., Yale University	roger.jou@yale.edu	103.007, 116.033
Johnson, C. , Wasatch Mental Health	cjohnson@wasatch.org	113.003	Joyner, A.	ajoyner@ucsd.edu	110.052
Johnson, C. , University of Pittsburgh Medical Center	JohnsonCR@msx.upmc.edu	105.128, 107.001, 110.007	Judd, E. , Cardinal Glennon	elizabeth_judd@ssmhc.com	110.145
Johnson, D. , EMMES	djohnson@emmes.com	105.115	Juechter, J. , Ed.S.	jjuechter1@gsu.edu	128.039
Johnson, E. , Ph.D., Waterford Institute	erinjohnson@waterford.org	105.066	Jukkola, P. , The Ohio State University	jukkola.1@buckeyemail.osu.edu	110.025
Johnson, J. , B.S., Rush University Medical Center	jason_johnson@rush.edu	105.017	Jung, M. , University of Tsukuba	jungbackho22@gmail.com	105.034
Johnson, K. , Surrey Place Centre	kajjean@gmail.com	116.127	Junker, D. , University of Michigan Autism and Communication Disorders Center	sohkim@umich.edu	128.050
Johnson, M. H. , Centre for Brain and Cognitive Development, Birkbeck, University of London	mark.johnson@bbk.ac.uk	115.004, 128.042, 128.111, 134.091, 138.003	Just, M. A. , Ph.D., Center for Cognitive Brain Imaging, Carnegie Mellon University	just@cmu.edu	116.009
Johnson, R. , University of Kentucky	ryan.johnson.atuk@gmail.com	116.170	Jyoti, A. , Children's Hospital of Michigan, Wayne State University	ajyoti@med.wayne.edu	104.005
Johnson, S.	scott.johnson@ucla.edu	110.068, 128.152, 134.144, 137.003, 138.007, 138.008	<b>K</b>		
Johnson, S. A. , PhD, Dalhousie University	shannon.johnson@dal.ca	110.175, 134.039, 134.070	Kaale, A. , Ullevaal University Hospital	anett.kaale@r-bup.no	105.030, 128.147
Johnson, S. , PhD, Columbia University	sbjohnson1@gmail.com	110.037, 116.118, 116.165	Kahler, S. , MD, Arkansas Children's Hospital	sgkahler@verizon.net	110.013
Johnson, S. , Ph.D., UC Denver	Susan.Johnson@ucdenver.edu	128.174	Kaiser, A. , PhD, Vanderbilt University	ann.kaiser@vanderbilt.edu	101.004

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Kaiser, K. , Kaiser, JFK Partners/University of Colorado	Kristen.kaiser@ucdenver.edu	105.054	Kato, S. , Aichi Children's Health and Medical Center	sihho_-kartoon@nifty.com	116.041
Kaiser, M. , Ph.D., Yale University	martha.kaiser@yale.edu	103.006, 103.007, 116.016, 116.025, 116.032, <b>116.042</b> , 116.062, 128.052, 134.143	Kato, T. , National Center for Geriatrics and Gerontology	tkato@ncgg.go.jp	116.041
Kajiwara, Y. , Mount Sinai School of Medicine	yuji.Kajiwara@mssm.edu	110.027	Katz, E. , CA Department of Public Health	elizabeth.katz.cdph.ca.gov	131.002
Kakooza, A. , MD, Makerere University, School of Medicine	akakooza@chs.mak.ac.ug	<b>110.103</b>	Katz, N. , Ono Accademic College	noomi.katz@ono.ac.il	105.098
Kalb, L. , MHS	Kalb@kennedyKrieger.org	105.148, <b>105.152</b> , 107.007, 110.115, 110.118, 116.137, 128.191, 134.015	Katz, T. , PhD, University of Colorado	terry.katz@ucdenver.edu	128.183
Kaliouby, R. E. , Massachusetts Institute of Technology, The Media Laboratory	kaliouby@media.mit.edu	116.145	Kaufmann, C. , Johns Hopkins Bloomberg School of Public Health	chris.n.kaufmann@gmail.com	110.136
Kalousek, K. , Dalhousie University	kate.kalousek@dal.ca	<b>110.175</b>	Kawakubo, Y. , University of Tokyo	yukik-ty@umin.ac.jp	<b>105.056</b>
Kamio, Y. , National Institute of Mental Health	kamio@ncnp.go.jp	119.007, <b>126.002</b>	Keefer, Ph.D, A. , Ph.D., Kennedy Krieger Institute	keefe@kennedykrieger.org	105.152, 107.007, <b>116.137</b>
Kamphaus, R. , PhD, Georgia State University	rkamphaus@gsu.edu	128.039	Keehn, B. , San Diego State University / University of California, San Diego	bkeehn@ucsd.edu	116.040, <b>116.052</b> , 116.054, 133.001, 136.002
Kamps, D. , PhD, University of Kansas	dkamps@ku.edu	108.005	Kellermann, J. , Max Planck Institute for Biochemistry	kellerma@biochem.mpg.de	110.014
Kana, R. K. , Ph.D., University of Alabama at Birmingham	rkana@uab.edu	116.028, 133.006	Kelley, Ph.D, E. A. , Queen's University	kellyb@queensu.ca	<b>105.143</b> , 128.017, 128.018, 128.079, 128.088, 128.158
Kang, H. , Children's Hospital of Philadelphia	Kangh@email.chop.edu	128.036	Kelley, R. , MD, PhD, Kennedy Krieger Institute	kelly@kennedykrieger.org	128.167
Kannan, S. , MD, Children's Hospital of Michigan, Wayne State University	skannan@med.wayne.edu	<b>104.005</b>	Kelly, D. , DKelly@childrens-specialized.org	dkelly@ghs.org	116.105
Kanne, S. M. , Ph.D., Thompson Center for Autism and Neurodevelopmental Disorders	kannest@health.missouri.edu	<b>105.135</b> , 105.136, 107.007, 113.004, 128.013, 128.048, 128.080, 128.154	Kelly, D. , Children's Specialized Hospital	DKelly@childrens-specialized.org	105.090
Kano, Y. , University of Tokyo	kano-ty@umin.ac.jp	105.056	Kendall, P. , Ph.D. ABPP, Temple University	pkendall@temple.edu	105.149
Kanwisher, N. , PhD, MIT	ngk@MIT.EDU	134.060, 134.087	Kennedy, D. P. , Caltech	kennedy@caltech.edu	116.069, 128.073, <b>134.084</b>
Kapinos-Gorczyca, A.	aga27.11@interia.eu	105.169	Kennedy, H. , Monash University	h.hook@alfred.org.au	110.063
Kapp, S. , B.S.	kapp@ucla.edu	105.154, 116.140, 134.014, <b>134.128</b>	Kent, R. , Cardiff University	KentRG@Cardiff.ac.uk	<b>132.002</b>
Karakoc Demirkaya, S. , Istanbul University, Istanbul School of Medicine	drsevcanarakoc@yahoo.com	105.159	Kenworthy, L. , PhD, Children's National Medical Center	lkenwort@cnmc.org	105.078, 116.031, 128.193, 134.010, 134.125
Karamagi, C. , MD, PhD, Makerere College of Health Sciences	ckaramagi2000@yahoo.com	110.103	Kern, R. , MGC, Kennedy Krieger Institute	kern@kennedykrieger.org	128.167
Karmel, B. , NYS Institute for Basic Research in Developmental Disabilities	karmelgardner@gmail.com	128.038	Key, A. P. , PhD, Vanderbilt University	sasha.key@vanderbilt.edu	<b>134.082</b> , 134.123
Karmiloff-Smith, A. , Birkbeck Centre for Brain & Cognitive Development, University of London	a.karmiloff-smith@bbk.ac.uk	<b>100</b> , <b>100.001</b> , 134.091	Keyes, K. , Columbia University	kmk2104@columbia.edu	<b>110.092</b>
Karnezi, H. , MA, PhD, Trinity College Dublin	karnezih@tcd.ie	<b>105.051</b> , 105.052	Khalil, D. , King Faisal Specialist Hospital and Research Center	Khalil.dania@gmail.com	110.055
Karst, J. , Marquette University	jeffrey.karst@marquette.edu	<b>105.070</b>	Khan, A. , Brain Development Imaging Laboratory, San Diego State University	jewell924@hotmail.com	116.052
Kasai, K. , University of Tokyo	ksaik-tky@umin.ac.jp	105.056	Khan, S. , BA, Children's Hospital of Philadelphia	khans2@email.chop.edu	115.005
Kasari, C. , Ph.D., University of California, Los Angeles	kasari@gseis.ucla.edu	<b>137</b> , <b>101.004</b> , 105.035, 105.046, 105.084, 110.160, 128.095, 128.100, 128.157, <b>130.004</b> , 137.001	Khandge, P. , B.A, UMDNJ	khandgpr@umdnj.edu	110.111, 118.008
Kates, W. , SUNY Upstate Medical University	katesw@upstate.edu	114.006	Kharrazi, M. , PhD, MPH, California Department of Public Health	marty.kharrazi@cdph.ca.gov	131.004, 131.006
			Kheir, N. , Ph.D, Qatar University	nadir@qu.edu.qa	<b>110.116</b> , 116.097
			Khowaja, M. , Georgia State University	meenak621@aol.com	<b>110.144</b>
			Kidgell, D. , PhD, Deakin University	dawson.kidgell@deakin.edu.au	110.088
			Kiguli, S. , MD, Makerere College of Health Sciences	skwalube@yahoo.co.uk	110.103
			Kikuchi, M. , Graduate School of Medical Science, Kanazawa University	mitsuru@zc4.so-net.ne.jp	116.037

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Kikuchi, Y., The University of Tokyo	yukko@darwin.c.u-tokyo.ac.jp	134.124	Knoch, K., University of Connecticut	kelly.knoch@gmail.com	110.141
Kile, S.	KILES@sutterhealth.org	128.165	Ko, E., Hospital for Sick Children	esther.ko@sickkids.ca	116.127
Kilroy, E.	emily.kilroy@gmail.com	120.004, 136.003	Kobak, K., Center for Psychological Consultation	kobak@charter.net	116.124, 116.179
Kim, D., PhD, Boston University School of Medicine	dskim@bu.edu	134.047	Koban, N., Technische Universitaet Dresden	nancy.koban@googlemail.com	134.054
Kim, J., Georgia Institute of Technology	symple87@gmail.com	116.141	Koch, I., RWTH Aachen University	koch@psych.rwth-aachen.de	110.089
Kim, K., PhD, UC Davis	kukkim@ucdavis.edu	116.149	Koduru, S., Massachusetts General Hospital	skoduru@partners.org	116.154
Kim, M., Temple University	kim.mina@yahoo.com	105.071	Koeffler, C., UCLA Semel Institute	ckoeffler@gmail.com	108.003
Kim, S., PhD, University of California, Davis	soykim@ucdavis.edu	116.035	Koegel, L., Ph.D., University of California, Santa Barbara	lynnk@education.ucsb.edu	105.043, 116.081
Kim, S. H., MA, University of Michigan Autism and Communication Disorders Center	sohkim@umich.edu	128.050	Koegel, R. L., Ph.D., University of California, Santa Barbara	koegel@education.ucsb.edu	105.043, 116.081
Kinard, J., M.S. CCC-SLP, University of North Carolina at Chapel Hill	jessica_cobble@med.unc.edu	105.099, 105.130	Koenig, L., Kennedy Krieger Institute	Koenigl@kennedykrieger.org	134.112
King, B., MD, University of Washington and Seattle Children's Hospital	bhking@u.washington.edu 137.008	105.173, 107.008,	Kogan, M., Maternal and Child Health Bureau	mkogan@hrsa.gov	110.102
King, L., Medical University of South Carolina	kinglb@musc.edu	110.099, 110.101, 110.109, 110.112, 110.114	Kogos Youngstrom, J., Ph.D., UNC-Chapel Hill	jky@unc.edu	110.155
King, M., University of Hong Kong	cmgfung@hku.hk	116.036	Kohls, G., PhD	KOHLSG@email.chop.edu	116.068, 116.160
King, T., Georgia State University	psytzk@langate.gsu.edu	110.187, 134.078	Kojkowski, N., University of Miami	n.kojkowski@miami.edu	134.097
Kinsman, A., Greenville Hospital System	akinsman@ghs.org	116.105	Koldewyn, K., PhD, MIT	kamik@mit.edu	134.060, 134.087
Kinugasa, H., University of Tsukuba	khanan15@human.tsukuba.ac.jp	105.029	Kondo, A., Keio University	mix.my.feelings@gmail.com	105.117
Kishon-Rabin, L., Professor, Tel-Aviv University	lrabin@post.tau.ac.il	134.089	Konidari, I., John P Hussman Institute for Human Genomics	ikonidari@med.miami.edu	114.005
Klaric, E., Institute of Education	elenak79@yahoo.com.au	134.063	Koning, C., PhD, Glenrose Rehabilitation Hospital	ckoning@ualberta.ca	108.002, 134.025
Klauck, S. M.	s.klauck@dkfz.de	110.014	Konrad, K., University Hospital Aachen	kkonrad@ukaachen.de	110.089
Klein, H., SSM Cardinal Glennon Children's Hospital	hannah.klein@wustl.edu	110.145	Koot, H. M., VU University	JM.Koot@psy.vu.nl	110.174, 119.002, 128.061, 134.062
Klein, R., PhD, Dalhousie University	ray.klein@dal.ca	134.118	Kopelman, T., PhD, University of Iowa Hospitals and Clinics	todd-kopelman@uiowa.edu	105.174, 116.175
Klein-Tasman, B. P., University of Wisconsin, Milwaukee	bklein@uwm.edu	128.121	Koren-Karie, N., Haifa University	nkoren@psy.haifa.ac.il	116.079, 128.078
Kleinfelder, S., Psychiatric and Neurodevelopmental Genetics Unit, Center for Human Genetic Research, Massachusetts General Hospital	SKLEINFELDER@PARTNERS.ORG	109.006	Koudys, J., York University	jdk@yorku.ca	105.004
Kleinhans, N. M., University of Washington	nkleinha@u.washington.edu	103.003	Kover, S., University of Wisconsin, Madison Waisman Center	Kover@waisman.wisc.edu	134.032, 134.071
Kliegel, M., Technische Universitaet Dresden	kliegel@psychologie.tu-dresden.de	134.054	Koyama, T., Shinsyu University	tomok@ncnp.go.jp	119.007
Klin, A., Ph.D., Yale School of Medicine	ami.klin@yale.edu	104.002, 109.003, 110.171, 110.185, 110.188, 110.193, 110.195, 128.008, 128.176, 134.018, 134.113, 134.133, 134.135, 134.140, 138.004	Krakiowiak, P., MS, UC Davis	pkraziowiak@phs.ucdavis.edu	110.129
Klinger, L., University of Alabama	lklinger@bama.ua.edu	128.041, 128.155, 132.001, 132.004, 134.067	Krakiowiak, P., MS, University of California, Davis	pkraziowiak@ucdavis.edu	110.119, 131.007
Klinger, M. R., University of Alabama	mklinger@bama.ua.edu	128.155, 132.001, 132.004, 134.067	Krasno, A., B.A., University of California, Santa Barbara	akrasno@education.ucsb.edu	116.081
Kloosterman, P., Queen's University	patriciakloosterman@trentu.ca	105.143, 128.079	Kreiser, N., B.A., Virginia Tech	nlkreiser010a@gmail.com	105.155, 105.156
Klusek, J., MS, FPG Child Development Institute	jessklusek@gmail.com	128.171	Kriegeskorte, N., MRC Cognition and Brain Sciences Unit	nikolaus.kriegeskorte@ mrc-cbu.cam.ac.uk	103.008
			Krigsman, A., Pediatric Gastroenterology Resources of New York	drkrigsman@autismgi.com	128.186
			Kroeger, K. A., Psy.D., Cincinnati Children's Hospital Medical Center	Kimberly.Kroeger-Geoppinger@cchmc.org	116.143

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Kronberg, E., Ph.D., University of Colorado Denver, Anschutz Medical Campus	eugene.kronberg@ucdenver.edu	116.071	Lane, L., Azusa Pacific University	laurenlane@apu.edu	110.033
Krueger, K., UCLA	kathryne.krueger@gmail.com	105.035	Lane, S., Ph.D., OTR/L, Virginia Commonwealth University	sjlane@vcu.edu	105.162, 128.189
Kuchna, I., M.D., NYS Institute for Basic Research in Developmental Disabilities	izabela.kuchna@omr.state.ny.us	114.001, 116.003, 116.004, 116.005, 116.007	Lang, R., Ph.D., Texas State University	russslang@txstate.edu	105.040
Kuhl, P.	pkkuhl@u.washington.edu	110.067	Lange, N., Sc. D., Harvard University	nlange@hms.harvard.edu	110.190, 116.030, 116.065, 120.005, 120.007, 136.001
Kumar, A., MindSpec Inc.	ajay@mindspec.org	110.040	Langer, D., Children's Hospital of Philadelphia, Center for Autism Research	deb.langer@gmail.com	102.006, 116.100
Kunda, M.	mkunda@gatech.edu	134.033	Langhorst, B., Oregon Health & Science University	drblanghorst@comcast.net	128.086
Kuperman, J., University of California, San Diego	jkuperman@ucsd.edu	120.003	Langridge, A., Telethon Institute for Child Health Research	amandal@ichr.uwa.edu.au	122.001, 122.002, 122.003, 122.004
Kurland, S., UMDNJ	kurlansr@umdnj.edu	102.007	Lanoué, A., Boston University School of Medicine	alanoue@bu.edu	116.006
Kuroda, M.	pr6m-krd@asahi-net.or.jp	119.007	Lara-Brady, L., PhD, TeachTown	lbrady@teachtown.com	105.016, 105.042, 116.183
Kurtz, N., BA	kurtzn@email.chop.edu	128.194, 134.093	Larsen, E., MindSpec Inc.	eric@mindspec.org	110.040
Kuschner, E., Ph.D., University of Rochester Medical Center	emily_kuschner@urmc.rochester.edu	105.073, 134.050, 134.142	Larsen, N., MSc., Statens Serum Institut	nla@ssi.dk	131.005
Kuwabara, H., University of Tokyo	kuwabara-ky@umin.ac.jp	105.056	Larson, M., Brigham Young University	michael_larson@byu.edu	110.049, 110.069, 110.086
<b>L</b>			Larson, R., Ph.D., University of Utah	rod.larson@hsc.utah.edu	110.124
Lach, L., McGill University	lucy.lach@mcgill.ca	105.089	Lasala, M.	thelasalafamily@gmail.com	128.022
Lahiri, U.	uttama.lahiri@vanderbilt.edu	116.171, 116.172	Lasley, B., PhD, UC Davis	blasley@ucdavis.edu	131.006
Lai, M., Autism Research Centre, Department of Psychiatry, University of Cambridge	mcl45@cam.ac.uk	116.029, 116.063, 119.006, 133.002	Lassonde, M., Centre de Recherche en Neuropsychologie et cognition de l'Université de Montréal (CERNEC)	maryse.lassonde@umontreal.ca	115.006
Laine, F., Perceptual Neuroscience Laboratory for Autism and Development, CETEDUM	france_laine@hotmail.com	134.009	Lathan, C., Ph.D., AnthroTronix	clathan@atinc.com	116.148
Lainhart, J. E., M. D., University of Utah	janet.lainhart@hsc.utah.edu	105.153, 110.190, 116.030, 116.065, 120.005, 120.007, 136.001	Lathrop, M., Centre National de Genotypage	mark@cng.fr	103.002
Lajonchere, C., Autism Speaks	cmlajonc@autismspeaks.org	105.106, 114.003	Laugeson, E., PsyD, UCLA Semel Institute for Neuroscience & Human Behavior	elaugeson@mednet.ucla.edu	105.049, 105.070, 105.082, 105.154, 108.003, 128.098, 128.099, 128.112, 130.002, 134.128
Lake, J., Hospital for Sick Children	johanna.lake@sickkids.ca	116.127	Laval, J., Stanford University School of Medicine	julie.laval34@orange.fr	110.008
Lally, M., Student Researcher, University of Connecticut	megan.lally@uconn.edu	105.075	Lavidor, M., Professor, Bar-Ilan University	michal.lavidor@gmail.com	134.089
Lam, L., Brock University	ll05oq@brocku.ca	105.079	Lavie, N., University College London	n.lavie@ucl.ac.uk	134.130
LaMadrid, M., Ph.D., Sound Choice Pharmaceutical Institute	mlamadrid@soundchoice.org	110.048, 110.139	Law, A., University of California, Los Angeles	adriennelaw@gmail.com	110.068
La Malfa, G., University of Florence	antonio.narzisi@yahoo.it	105.064	Law, J. K., MD, Kennedy Krieger Institute	lawk@kennedykrieger.org	110.038, 116.107, 116.108, 116.118, 116.125
Lamarche, E., FPG, The University of North Carolina	elena.lamarche@unc.edu	128.071	Law, P., MD, Kennedy Krieger Institute	lawp@kennedykrieger.org	105.110, 105.148, 109.008, 110.038, 110.118, 116.118, 116.125, 128.027
Lambert, A., Université du Québec à Montréal	andreane_lambert@hotmail.com	128.195, 134.110	Lawer, L., University of Pennsylvania School of Medicine	llawer@mail.med.upenn.edu	102.006, 116.100
Lambrechts, G., Parenting and Special Education Research Group, Katholieke Universiteit Leuven	greet.lambrechts@ped.kuleuven.be	110.173	Lawlor, M., Sc.D., OTR/L, FAOTA, University of Southern California	lawlor@usc.edu	110.093
Lampi, K. M., University of Turku	katja.lampi@utu.fi	110.127, 110.130	Lawson, K., Albert Einstein College of Medicine	krlawson@aecom.yu.edu	105.129
Lance, E., Kennedy Krieger Institute	lance@kennedykrieger.org	105.167	Lawton, K., Ph.D., Kathryn Lawton	lawton.kathy@gmail.com	105.046
Landa, R., Ph.D., Kennedy Krieger Institute	landa@kennedykrieger.org	101.004, 105.144, 116.113, 128.066, 132.008	Lazarev, V., Oswaldo Cruz Foundation	vlad.v@iname.com	110.073
Landry, O., Ph.D., Dalhousie University	olandry2@uwo.ca	134.111	LeBaron, A., Brigham Young University	amberlebaron@gmail.com	134.024
Lane, A., Ph.D., OTR/L, The Ohio State University	lane.350@osu.edu	105.179			
Lane, A. E., Ph.D., The Ohio State University	lane.350@osu.edu	110.066			
Lane, D., Rice University	lane@rice.edu	113.002			



# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
LeBaron, A., Brigham Young University	aubrilebaron@gmail.com	134.024	Letendre, S., M.D., University of California, San Diego	sletendre@ucsd.edu	109.007
Lecavalier, L., PhD, Ohio State University	luc.lecavalier@osumc.edu	105.128, 128.032	Letourneau, E., Family Services Research Center Medical University of South Carolina	letourej@muscc.edu	110.112
Lecompte, J., The Canadian Institute for Neurointegrative Development (Giant Steps School)	jocelyne_lecompte@videotron.ca	134.115	Letsinger, N., Providence College	nltsing@friars.providence.edu	102.005
Le Couteur, A.	a.s.le-couteur@ncl.ac.uk	132.002	Letzen, J.	letzenj@email.chop.edu	116.019, 136.006
Le Deist, F., Toulouse Business School	f.le-deist@esc-toulouse.fr	116.169	Leung, P., Chinese University of Hong Kong	cmgfung@hku.hk	116.036
Lee, A., UC Davis M.I.N.D. Institute	arolee@ucdavis.edu	116.039, 116.048	Leuthe, E., Ph.D., JFK Partners – University of Colorado Denver	Eileen.Leuthe@ucdenver.edu	105.047, 105.080
Lee, C., Kwai Chung Hospital	cmgfung@hku.hk	116.036	Levi, S., The Hebrew University	levi.shlomit@gmail.com	128.065, 128.078
Lee, E., PhD	elee@casrc.org	102.004, 105.100	Levine, J., Hospital for Sick Children	jengryfe@gmail.com	116.127
Lee, E., Ph.D., Vanderbilt University	evon.lee@vanderbilt.edu	128.185, 134.036	Levine, M., Yale Child Study Center	michelle.levine@yale.edu	128.059
Lee, G., BA, Stanford University	gracelee@stanford.edu	120.008, 132.007	Levitt, P., Vanderbilt University	plevitt@usc.edu	103.001, 116.163, 128.185
Lee, H., UCLA	hanelee@ucla.edu	110.038	Levy, A., York University	ajlevy@yorku.ca	128.148
Lee, J.	jackylee@media.mit.edu	116.159	Lewis, P., Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine	peter.lewis@choa.org	134.133
Lee, J., BA, University of Iowa	john-f-lee@uiowa.edu	105.174, 116.175	Leyden, K. M., B.A. Psychology	kmleyden@gmail.com	116.040
Lee, L., PhD, Johns Hopkins Bloomberg School of Public Health	llee2@jhsph.edu	105.167, 110.108, 110.115, 110.125, 110.136, 118.001	Li, H., The Methodist Hospital Research Institute, Weill Cornell Medical College	hli@tmhs.org	116.008, 116.044, 116.046, 136.008
Lee, S., University of Washington	sam28lee@u.washington.edu	134.031	Li, H.	hairili@ucsd.edu	124.006
Lee, S., Chang Gung Memorial Hospital	sheau_rong@yahoo.com	105.058	Li, Q., University of Hong Kong	liqi@hkucc.hku.hk	110.026
Lee, S. M., Yale University	sumeilee@yale.edu	116.018	Li, S., Kaiser Permanente Division of Research	sherian.ux.li@kp.org	131.002
Leekam, S., Prof., Cardiff University	LeekamSR@cardiff.ac.uk	128.049, 132.002	Li, X., New York State Institute for Basic Research in Developmental Disabilities	xiaohongli99@gmail.com	104.007, 110.004, 110.005
Leezenbaum, N. B., University of Pittsburgh	nbl3@pitt.edu	138.006	Lian, A., Children's Hospital Boston	alys.lian@childrens.harvard.edu	128.062
Lehman, J., Ph.D., Carnegie Mellon University	jill@kidaccess.com	116.059, 116.073	Liang, J., University of Michigan Autism and Communication Disorders Center	jessiel@umich.edu	128.083
Lein, E., Allen Institute for Brain Science	EdL@alleninstitute.org	124.006	Liberati, A., University of Cagliari	roscolestis@gmail.com	128.151
Leinert, S., University of Missouri	smlhf2@mail.mizzou.edu	110.094	Libero, L., University of Alabama at Birmingham	lel123@uab.edu	133.006
Lemcke, N., RD, University of Rochester	nicole_lemcke@urmc.rochester.edu	105.111, 110.007	Libertus, K., PhD, Kennedy Krieger Institute	klaus.libertus@jhu.edu	132.008
Lemon, O., Heriot Watt University	olemon@gmail.com	116.180	Libove, R., Stanford University School of Medicine	rlibove@stanford.edu	105.157, 108.008, 110.008, 110.009, 110.128, 128.067, 128.089
Lenhardt, T. W., University of North Carolina at Chapel Hill	tracy_williams@med.unc.edu	116.11	Lidstone, J., PhD, Cardiff University	lidstonej@cardiff.ac.uk	128.049
Lennon, E. M., NYS Institute for Basic Research in Developmental Disabilities	elennon509@aol.com	128.038	Lie, K. K., Norwegian Institute of Public Health	kari.kveim.lie@fhi.no	110.148
Lenroot, R., National Institute of Mental Health	lenroot@mail.nih.gov	120.006	Lieberman, R., Peabody College, Vanderbilt University	rebecca.g.lieberman@vanderbilt.edu	105.027
Leonard, H. C.	hleona01@students.bbk.ac.uk	128.116, 134.091	Lierheimer, K., M.Ed., University of Missouri	kslf83@mail.missouri.edu	128.154, 137.005
Leonard, H., Telethon Institute for Child Health Research	hleonard@ichr.uwa.edu.au	122.001, 122.002, 122.003, 122.004	Lightbody, A. A., Stanford University	aal@stanford.edu	128.072, 134.094
Lepage, C., Sutter Neuroscience Medical Group	calepage@gmail.com	128.165	Lin, A., California Institute of Technology	alicer@caltech.edu	123.002
Lerch, J. P., The Hospital for Sick Children	jason@phenogenomics.ca	110.024			
Lerner, M., M.A., Ph.D. Candidate, University of Virginia	mlerner@virginia.edu	113.007			
Lesack, R., Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	roseanne.lesack@choa.org	105.102			
Lesniak, W., Wayne State University	wojceich_lesniak@yahoo.com	104.005			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Lin, D., Harvard Medical School	david_lin@hms.harvard.edu	134.140	Lopez Martinez, W., MD, Hospital Psiquiatrico Infantil	tdah.autismo@gmail.com	105.164
Lin, L., Robert Wood Johnson Medical School	linl1@umdnj.edu	104.003	Lord, C., Ph.D., University of Michigan	celord@umich.edu	119, 105.028, 105.138, 119.003, 128.019, 128.050, 128.083, 128.144
Lincoln, A. J., Alliant International University; Center for Autism Research, Evaluation and Service	alincoln@alliant.edu 128.035, 128.063	110.138, 116.052,	Lorenzi, L., Carnegie Mellon University	laurenlorenzi13@gmail.com	116.012
Lind, S. E., Durham University	sophie.lind@durham.ac.uk	134.049	Losh, M., Ph.D., Northwestern University	losh@med.unc.edu	128.071, 128.119, 128.171
Lindgren, S., Ph.D., University of Iowa Hospitals and Clinics	scott-lindgren@uiowa.edu	105.174, 116.175	Loth, E., Institute of Psychiatry	eva.loth@kcl.ac.uk	103.002
Ling, L., University of Hong Kong	cmgfung@hku.hk	116.036	Lotspeich, L., Stanford University	Linda.Lotspeich@stanford.edu	114.003
Lipkin, W. I., Columbia University	wil2001@columbia.edu	110.148	Lottspeich, F., Max Planck Institute for Biochemistry	lottspei@biochem.mpg.de	110.014
Liston, S., UC Davis M.I.N.D. Institute	sarahliston@gmail.com	116.072	Lourdusamy, A., Institute of Psychiatry	anbarasu.lourdusamy@kcl.ac.uk	103.002
Little, L., Ph.D., University of North Carolina at Chapel Hill	little@email.unc.edu	105.168, 128.026	Loveland, K., University of Texas Medical School, Houston	katherine.a.loveland@uth.tmc.edu	110.121, 113.002, 116.078
Liu, X., Harbin Medical University	liuxian19850821@163.com	110.058	Lovell, K., Professor, University of Manchester	karina.lovell@manchester.ac.uk	105.170
Liu, X., University of Manitoba	xliu@sickkids.ca	128.029	Low, J., Dr, Victoria University of Wellington	jason.low@vuw.ac.nz	110.167
Lobaugh, N., Sunnybrook Research Institute, Sunnybrook Health Sciences Centre, University of Toronto	nlobaugh@sri.utoronto.ca	116.067	Low, R., Sutter Neuroscience Medical Group	lowrj@sutterhealth.org	128.165
Locke, J., Ph.D., University of California, Los Angeles	jill.locke@gmail.com	105.071, 110.160, 128.100	Lowe, J., Ph.D., University of California, Los Angeles	jklowe@ucla.edu	110.043
Lodhia, V., University of Auckland	v.lodhia@auckland.ac.nz	136.007	Lowe-Pearce, C., Ph.D., IWK Health Centre	crystal.lowepearce@iwk.nshealth.ca	134.114
Loesch, D., MD, Ph.D., La Trobe University	d.loesch@latrobe.edu.au	128.024	Lowy, R. T., University of Washington	rlowy@uw.edu	110.083, 128.020
Logan, S. L.	logans@musc.edu	110.114	Luckenbaugh, D., M.A., National Institute of Mental Health	luckenbd@mail.nih.gov	128.015
Loggins, K., Georgia State University	kaylasloggins@gmail.com	134.078	Luckenbaugh, D., National Institute of Mental Health	luckenbd@mail.nih.gov	134.010
Loh, A., Surrey Place	alvin.loh@surreyplace.on.ca	107.003, 128.075	Ludlow, A. K., Anglia Ruskin University	amanda.ludlow@anglia.ac.uk	105.094
Lomas, J., Louisiana State University	joanamevers@gmail.com	105.122	Ludwig, N.	natashaludwig@gmail.com	119.001
Lombardo, M., Autism Research Centre, University of Cambridge	ml437@cam.ac.uk	103.008, 116.029, 116.063, 119.006, 133.002	Lukowski, A., University of California, Irvine	alukowsk@uci.edu	134.066
Lombao, J., Psychiatric and Neurodevelopmental Genetics Unit, Center for Human Genetic Research, Massachusetts General Hospital	lomobao@pngu.mgh.harvard.edu	109.006	Lund, S., Ph.D., University of Michigan	sabata.s.constancio@vanderbilt.edu	119.003
Lomtevas, L., Hunter College, City University of New York	lomtevasweetheart@gmail.com	105.036	Lunsky, Y., Centre for Addiction and Mental Health	yona_lunsky@camh.net	116.089, 116.129
London, E., MD, NYS Institute for Basic Research in Developmental Disabilities	naarlondon@gmail.com	105.065, 114.001, 116.004, 116.005, 116.007	Luo, R.	luoruicd@gmail.com	110.047, 124.003
Longmire, W., Children's Hospital of Philadelphia	warrenlongmire@gmail.com	116.160	Lurmann, F., Sonoma Technology, Inc.	fred@sonomatech.com	131.003
Lopez, B., Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	briana.lopez@choa.org	105.033	Luts, J., K.U.Leuven	jan.luts@esat.kuleuven.be	109.005
Lopez, K., MA, MSW, University of Michigan Autism and Communication Disorders Center	klopez@umich.edu	105.028, 116.119	Lutsky, M., MPH, Kaiser Permanente Division of Research	marta.a.lutsky@kp.org	131.004, 131.006
Lopez, L., University of California, San Diego	llopez@ucsd.edu	109.007, 124.005	Luyster, R., Ph.D.	rhiannon.luyster@ childrens.harvard.edu	109.006, 115.003, 134.098
Lopez, M., MD, University of Arkansas for Medical Sciences	mayaliza@aol.com	110.013	Ly, A., M.A., University of California, Irvine	agnes.ly@uci.edu	116.136
Lopez-Martinez, W., MD, Hospital Psiquiatrico Infantil	tdah.autismo@gmail.com	105.175	Ly, S., MIND Institute	stanford.ly@ucdmc.ucdavis.edu	103.005

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
<b>M</b>					
Ma, D. , University of Miami Miller School of Medicine	DMa@med.miami.edu	114.005	Majjaars, J. P. W. , Leiden University	maljaars@fsw.leidenuniv.nl	105.041, 128.097
Ma, S. Y. , New York State Institute for Basic Research in Developmental Disabilities	Shuang.ma@omr.state.ny.us	114.001, 116.004, 116.005, 116.007	Malmberg, B. , University of Texas Houston Health Science Center	Benjamin.Malmberg@uth.tmc.edu	116.008, 116.044, 116.046, 136.008
Maasberg, K. M. , University of Utah	katie.maasberg@utah.edu	136.001	Malow, B. A. , MD, Vanderbilt Medical Center	beth.malow@vanderbilt.edu	105.126, 107.006, 115.007, 116.145, 128.191, 137.006
Macari, S. , Ph.D., Yale University School of Medicine	suzanne.macari@yale.edu	110.196, 128.005, 128.150, 134.106	Maltman, N.	amaltman@psych.uic.edu	128.068
MacCulloch, R. , The Hospital for Sick Children	radha.macculloch@sickkids.ca	105.089	Mamelak, A. , MD, Cedars-Sinai Medical Center	adam.mamelak@cshs.org	110.081
MacDonald, K. , Chief Technology Officer, TeachTown	kevin@jigsawlearning.com	105.042, 116.183	Managhan, T. , Private Practice	managhan@aibi.com	113.005
MacDonnell, E. , Yale University	erin.macdonnell@yale.edu	110.165, 116.026, 116.049, 116.066	Mandal, M. , UMDNJ - Graduate School of Biomedical Sciences	mandalmi@umdnj.edu	104.008
Mack, H. , Dr, Starship Hospital	Hilary.Mack@adhb.govt.nz	108.006	Mandelberg, J.	jmandelberg@mednet.ucla.edu	105.082
Mack, H. , Dr, Starship Hospital	Hilary.Mack@adhb.govt.nz	105.055	Mandell, D. S. , Sc.D., University of Pennsylvania School of Medicine	mandelld@mail.med.upenn.edu	102.001, 102.002, 102.004, 102.006, 105.008, 105.009, 105.123, 116.082, 116.100, 116.120, 119.002
MacLeod, J. , MSc, Dalhousie University	jeffmacleod@dal.ca	134.118	Mandy, W. , University College London	w.mandy@ucl.ac.uk	110.192, 128.043
MacMullen, L.	laura.macmullen@gmail.com	134.028	Manfredi, R. , Children's Hospital of Philadelphia, Center for Autism Research	manfredir@email.chop.edu	134.028
MacMullin, J. A. , York University	jenmacm@yorku.ca	116.129	Mangan, S. , Floating Hospital for Children	smangan@tuftsmedicalcenter.org	116.135, 128.011
MacRoy-Higgins, M. , Ph.D., CCC-SLP, Hunter College-CUNY	mmacro@hunter.cuny.edu	101.001	Manjiviona, J. , PhD, Private practice	janine.m007@optusnet.com.au	110.088, 116.075, 119.008
Maddox, B. , Virginia Tech	bmaddox7@vt.edu	105.156	Mann, K. , Central Institute of Mental Health	karl.mann@zi-mannheim.de	103.002
Mader, C. , MA, Children's Hospital of Michigan	mbehen@pet.wayne.edu	128.045, 128.090	Manning-Courtney, P. , MD, Cincinnati Children's Hospital Medical Center	patty.manning@cchmc.org	128.034
Madva, E. , Children's Hospital of Philadelphia	MadvaE@email.chop.edu	116.068, 116.160	Manning-Courtney, P. , Cincinnati Children's Hospital Medical Center	patty.manning@cchmc.org	128.028
Maenner, M. , University of Wisconsin-Madison	mjmaenner@wisc.edu	110.108, 118.006	Mansdorf, E. , M.A., Hofstra University	emansdorf@gmail.com	105.086
Maes, B. , Parenting and Special Education Research Group, Katholieke Universiteit Leuven	bea.maes@ped.kuleuven.be	110.173	Mansour, R. , University of Texas Medical School at Houston	Rosleen.Mansour@uth.tmc.edu	113.002
Maes, H. , Virginia Commonwealth University	hmaes@vcu.edu	110.034	Mar-Heyming, R. , University of California, Los Angeles	beccamar@ucla.edu	110.043, 110.047, 124.003
Maffre, T. , CHU de Toulouse	th.maffre@orange.fr	116.169	Marchi, E. , New York State Institute for Basic Research in Developmental Disabilities	Elaine.Marchi@omr.state.ny.us	114.001
Magana, S. , PhD, University of Wisconsin-Madison	magana@waisman.wisc.edu	116.119, 128.138	Marcin, C. , CLIMA Clinica Mexicana de Autismo	marcincarlos@yahoo.com.mx	126.003
Magill-Evans, J. , PhD, University of Alberta	joyce.magill-evans@ualberta.ca	108.002, 134.025	Marco, E. , M.D.	marcoe@neuropeds.ucsf.edu	116.053, 116.055
Magill Evans, J. , University of Alberta	joyce.magill-evans@ualberta.ca	105.089	Marcus, S. C. , University of Pennsylvania	marcussc@sp2.upenn.edu	102.001, 116.082, 116.120
Magnus, P. , Norwegian Institute of Public Health	per.magnus@fhi.no	110.148	Margolis, A. , Yale University School of Medicine	amy.margolis@yale.edu	128.176
Mahabir, S. , BA, UMDNJ	mahabir@umdnj.edu	110.111	Marinero, S. , University of California, San Diego	samarinero@ucsd.edu	128.053, 128.054
Maham, S. , BSc, UAMS, Arkansas Childrens Hospital	MahamSabrinaA@uams.edu	128.184	Marquand, A.	andre.marquand@kcl.ac.uk	116.063
Mahjouri, S. , Ed.M., University of California, Los Angeles	smahjouri@ucla.edu	105.084, 110.160	Marras, S. , Center for Pervasive Developmental Disorders, AOB	sarah.mar@virgilio.it	128.114
Mailloux, Z. , Pediatric Therapy Network	zoem@ptnmail.org	105.090	Marroquin, A. , University of California, Los Angeles	adrimarr@ucla.edu	134.144
Malach, R.	rafi.malach@gmail.com	116.012	Marsden, A. J. , UCL Institute of Child Health	anita.marsden@iop.kcl.ac.uk	134.132
Malcolm-Smith, S. , University of Cape Town	Susan.Malcolm-Smith@uct.ac.za	110.010, 134.057, 134.139			
Malesa, E. , M.S., Vanderbilt University	elizabeth.malesa@vanderbilt.edu	134.036			
Malik, M. , New York State Institute for Basic Research in Developmental Disabilities	Mazhar.Malik@omr.state.ny.us	104.007, 110.004, 110.005			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Marsh, K. , University of Connecticut	kerry.marsh@uconn.edu	105.069, 105.075	Maupin, Z. , Azusa Pacific University	zmaupin08@apu.edu	110.033
Marshall, S. , UCLA	smarshall@mednet.ucla.edu	137.003	Mavros, P. L. , Massachusetts Institute of Technology	lmavros@mit.edu	133.005
Marteleto, M.	marcia.marteleto@terra.com.br	110.181	Maxim, T. , SSM Cardinal Glennon Children's Hospital	tmaxim@usc.edu	110.145
Martien, K. M. , Massachusetts General Hospital-Harvard Medical School	kmartien@mac.com	110.065	Maxim, R. , MD Saint Louis University	maximr@slu.edu	110.145
Martin, A. , NIMH	alexmartin@mail.nih.gov	116.031	Maye, M. , University of Michigan Autism and Communication Disorders Center (UMACC)	mpmaye@umich.edu	110.132, 128.083
Martin, E. , John P Hussman Institute for Human Genomics	emartin2@med.miami.edu	105.172, 114.005	Mayer, A. , Ithaca College	amayer1@ithaca.edu	110.191
Martin, G. , FPG Child Development Institute, UNC Chapel Hill	gary.martin@unc.edu	128.071, 128.119, 128.171	Mayes, A. , University of Manchester	Andrew.Mayes@Manchester.ac.uk	134.051
Martin, J. , LIMS-CNRS, Université Paris Sud	martin@lims.fr	116.166	Mayes, L. , Yale Child Study Center	linda.mayes@yale.edu	110.070, 110.084, 115.001
Martin, L. , Ph.D., Azusa Pacific University	lamartin@apu.edu	110.033	Mayfield, W. A. , Ph.D., University of Missouri	mayfieldw@missouri.edu	116.107, 116.108
Martin, N. , University of Washington	nmartin@uw.edu	103.003	Mayo, J. , University of Connecticut	jessica.mayo@gmail.com	128.126
Martin-Cilleros, V. , Universidad de Salamanca	viquimc@usal.es	116.106	Mayo, M. , University of California, San Diego, UCSD Autism Center of Excellence	mais8199@gmail.com	120.003
Martin Cilleros, M. V. , University of Salamanca	viquimc@usal.es	126.001	Mazefsky, C. , Ph.D., University of Pittsburgh	mazefskyca@upmc.edu	105.153
Martinez, F. , University of Massachusetts Boston	martinez.frances@gmail.com	105.177	Mazumdar, S. , Columbia University	soumya.com@gmail.com	110.095
Martinez-Pedraza, F. , University of Massachusetts, Boston	fdl_martinez@yahoo.com	110.132	Mazur- Kolecka, B. , New York State Institute for Basic Research in Developmental Disabilities	Bozena.Mazur-Kolecka@ omr.state.ny.us	114.001, 116.003
Martinet, J. , CEA	jean-luc.martinet@cea.fr	103.002	Mazurek, M. , Ph.D., University of Missouri - Columbia	mazurekm@missouri.edu	105.135, 113.004, 128.048
Martinsen, H. , University of Oslo	harald.martinsen@isp.uio.no	105.161	Mazurek, M. O. , Ph.D., University of Missouri - Columbia	mazurekm@missouri.edu	107.007
Marvin, A. R. , Kennedy Krieger Institute	marvin@kennedykrieger.org	110.038, 116.107, 116.108	McAdam, D. B. , University of Rochester Medical Center	david_mcadam@urmc.rochester.edu	105.044
Marvin, S. S.	marvins@kennedykrieger.org	110.038	McAlonan, G. M. , State Key Laboratory for Brain and Cognitive Sciences	mcalonan@hkucc.hku.hk	110.026, 116.036, 116.064, 116.074
Marwick, H. , University of Strathclyde	helen.marwick@strath.ac.uk	128.142	McAuliffe, M. , NIH Center for Information Technology	matthew.mcauliffe@nih.gov	110.039, 116.182
Marzouk, A. , Department of Pathology and Laboratory Medicine, UMDNJ - New Jersey Medical School	marzouac@umdnj.edu	104.008	McBee, M.	matt.mcbee@unc.edu	116.088, 128.031
Massand, E. , City University, London	Esha.Massand.1@city.ac.uk	110.071	McCalla, M. , University of Alabama at Birmingham	kmcalla@uab.edu	110.146, 110.149, 128.030, 128.132
Masse, A. , Neurodevelopmental Program, Riviere des Prairies Hospital	andre.masse.hrdp@ssss.gouv.qc.ca	116.153	McCarthy, M. A. , University of Pennsylvania	meganmcc@mail.med.upenn.edu	102.006, 116.100
Mastergeorge, A.	ammastergeorge@ucdavis.edu	105.025	McComish, C. , Ph.D., University of North Carolina	cara_mccomish@med.unc.edu	116.087
Mastergeorge, A. M. , Ph.D., University of California, Davis/M.I.N.D. Institute	ammastergeorge@ucdavis.edu	134.032, 134.071	McConachie, H. , University of Newcastle	h.r.mcconachie@ncl.ac.uk	105.109
Masterson, K. , Northwestern University Feinberg School of Medicine	kmasters3988@gmail.com	110.031	McConnell, R. , University of Southern California	rmconne@usc.edu	131.003
Mataix-Cols, D. , Dr, Kings College London, Institute of Psychiatry	d.mataix@iop.kcl.ac.uk	105.055, 108.006	McCormick, C.	carolyn.mccormick@ucdmc.ucdavis.edu	134.083
Mataric, M. J. , University of Southern California	mataric@usc.edu	116.151	McCoy, D. , Florida State University Autism Institute	dkm04@fsu.edu	128.082
Mateljevic, N. , Ph.D., Yale University	n.matel@yale.edu	103.007, 116.033	McCoy, R. , OHSU	mccoynr@ohsu.edu	105.115
Mathews, E. A. , Oklahoma Medical Research Foundation	Ellie-Mathews@omrf.org	110.028	McCrimmon, A. , Ph.D., University of Calgary	awmccrim@ucalgary.ca	134.053, 134.068
Mathy, P. , Ph.D., Kennedy Kreiger Institute	Mathy@kennedykrieger.org	101.004	McDonald, J. , Ph.D., Simon Fraser University	jmcd@sfu.ca	134.131
Matsuda, S. , Keio University	atom.opens.the.stargate@gmail.com	110.177	McDougle, C. , Indiana University School of Medicine	cmdougl@iupui.edu	113, 105.128, 113.001
Matsumoto, K. , Hamamatsu University School of Medicine	km@hama-med.ac.jp	116.037	McDuffie, A. , Ph.D., CCC-SLP	mcduffie@waisman.wisc.edu	134.032, 134.071
Matthews, N. , University of California, Irvine	nbasehor@uci.edu	134.066	McFadden, K. , University of Colorado Denver, Anschutz Medical Campus	Kristina.McFadden@ucdenver.edu	116.047

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
McFee, K. , York University	khmcfee@yorku.ca	105.004	Merchant, J. , University of Oregon	merchantjs@gmail.com	116.021
McGhee, S. , University of Missouri	sdgef@mail.mizzou.edu	110.094	Mercure, E. , Birkbeck, University of London	e.Mercure@bbk.ac.uk	115.004
McGillivray, J. , PhD, Deakin University	jane.mcgillivray@deakin.edu.au	105.140, 110.088, 116.075, 119.008	Meringolo, D. , MA, MS, Albert Einstein College of Medicine	deborah.meringolo@einstein.yu.edu	128.040, 128.129
McGrath, P. , The Hospital for Sick Children	patricia.mcgrath@sickkids.ca	110.179	Merz, G. , New York State Institute for Basic Research in Developmental Disabilities	george.merz@omr.state.ny.us	104.007
McGrew, J. H. , Indiana University - Purdue University Indianapolis	jmcgrew@iupui.edu	116.170	Mesite, L. , University of Connecticut	laura.mesite@uconn.edu	128.096
McGrew, S. G. , MD, Monroe Carell Children's Hospital at Vanderbilt	Susan.g.McGrew@Vanderbilt.edu	107.006, 110.044, 128.185, 137.006	Messinger, D. S. , Ph.D., University of Miami	dmessinger@miami.edu	105.027, 110.061, 128.010, 128.087, 128.156
McIntire, M.	mmcintire@ucsd.edu	134.127	Meyer, A. T. , Boston University	ameyer@bu.edu	128.133
McIntyre, N. , U.C. Davis	nsmcintyre@ucdavis.edu	110.161, 116.149	Meyer, A. , Marquette University	Audrey.Meyer@marquette.edu	105.070
McKeague, I. W.	im2131@columbia.edu	110.127	Meyer, B. F. , King Faisal Specialist Hospital and Research Center	brian_meyer@kfshrc.edu.sa	110.055
McKerral, M. , Centre de Recherche en Neuropsychologie et cognition de l'Université de Montréal (CERNEC)	michelle.mckerral@umontreal.ca	115.006	Meyer, K. , M.A., Michigan State University	meyerk14@msu.edu	105.001, 105.021
McKinstry, R. , Washington University	McKinstryB@mir.wustl.edu	125.004	Miceli, R. , St. Clair College	micelirita@hotmail.com	116.116
McKown, C. , Ph.D., Rush University Medical Center	Clark_A_McKown@rush.edu	105.017	Mich, C. , Stanford University School of Medicine	csnich@stanford.edu	110.009
McMahon, W. M. , University of Utah	william.mcmahon@hsc.utah.edu	110.050, 110.107, 110.124, 116.080	Michaels, C. , BAppSc (Hon), RMIT University	courtney.michaels@rmit.edu.au	128.190
McManus, S. , NATCEN	Sally.McManus@natcen.ac.uk	118.004	Michalowski, M. , Ph.D., Beatbots	marek@beatbots.net	116.148
McMichael, A. R. , MA, MS, CCC-SLP, Washington University School of Medicine	amanda.mcmichael@gmail.com	116.077	Michalski, B. , M.Sc., McMaster University	michals@mcmaster.ca	110.006
McMorris, C. A. , York University	camcmorr@yorku.ca	128.037	Middleton, F. , SUNY Upstate Medical University	middlef@upstate.edu	114.006
McMullen, T. , Hospital for Sick Children	traceym@yorku.ca	128.009	Mier, D. , Central Institute of Mannheim	daniela.mier@zi-mannheim.de	134.074
McPartland, J. , Yale Child Study Center	james.mcpartland@yale.edu	105.050, 110.070, 110.082, 110.084, 110.087, 115.001	Miles, J. , MD, PhD, Thompson Center at the University of Missouri	milesjh@missouri.edu	110.074, 128.047, 128.048
McRoberts, G. , Ph.D., Haskins Laboratories	mcroberts@haskins.yale.edu	128.007	Millea, M. , University of Notre Dame	mmillea@nd.edu	105.020
McSwiggan-Hardin, M. , NP-P.Columbia University Medical Center	HardinM@childpsych.columbia.edu	116.150	Miller, J. , The Children's Hospital	miller.maryjeannie@tchden.org	116.126
McVicar, K. , University of Tennessee Health Sciences Center- Memphis	kmcvicar@uthsc.edu	110.046	Miller, J. , Ph.D., The University of California	jeremyinla@gmail.com	104.004
McWhirr, M. , MA, University of Aberdeen	morven.mcwhirr@abdn.ac.uk	116.020	Miller, J. , PH.D, Children's Hospital of Philadelphia	judith.miller@hsc.utah.edu	110.117, 116.160, 128.085
Meehan, J. , Trinity College Dublin	jmd@tcd.ie	105.146	Miller, M. , UC Berkeley	meghanmiller@berkeley.edu	119.004
Mehtar, M. , Istanbul University	mohamadmehtar@yahoo.com	105.150	Millonig, J. H. , Center for Advance Biotechnology & Medicine	Millonig@CABM.rutgers.edu	104.003
Meilleur, A. , Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM)	andree-anne.simard.meilleur@umontreal.ca	128.117	Milstein, S. , The Hebrew University	shahaf.salomon@mail.huji.ac.il	128.065, 128.078
Mejia, L. , ITAM	lue.mejia@gmail.com	126.003	Minderaa, R. B. , University of Groningen and University Medical Center Groningen	r.b.minderaa@accare.nl	134.001
Melchor Contreras, D. C. , MD, Hospital Psiquiatrico Infantil	tdah.autismo@gmail.com	105.164, 105.175	Mineau, S. , Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM)	smineau@sympatico.ca	132.006
Melnyk, S. , PhD, University of Arkansas for Medical Sciences	melnykstepanb@uams.edu	110.007, 110.013, 110.020	Minjarez, M. B. , PhD, Seattle Children's Hospital	mendy.boettcher@gmail.com	108.004
Meltvedt, M.	mairin.meltvedt@yale.edu	128.150, 134.105	Minnes, P. , Queen's University	patricia.minnes@queensu.ca	116.117, 128.141
Menacherry, P. , University of Connecticut	phoebe.menacherry@uconn.edu	105.069	Minnis, H. , University of Glasgow	h.minnis@clinmed.gla.ac.uk	128.043
Menon, D. , MD, Kennedy kriegler Institute - Center for Autism & Related Disorders	menon@kennedykrieger.org	128.167	Minschew, N. J. , M.D., University of Pittsburgh	minshewn@upmc.edu	105.153, 116.059, 116.073, 116.077, 120.008, 134.007, 134.037
Menon, S. , Hunter College, City University of New York	sunitamenon1@aol.com	105.036, 110.186			
Mercadante, M. T. , PhD, UNIFESP	mt.mercadante@uol.com.br	105.02			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Minzenberg, M. , UC Davis Imaging Research Center	michael.minzenberg@ucdmc.ucdavis.edu	119.004	Moriuchi, J. M. , Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine	jennifer.moriuchi@yale.edu	110.185, 110.195
Mirante, N. , Children's Hospital Bambino Gesù	mirantenadia@gmail.com	105.160	Morozov, A. , Institute of Radio-Engineering and Electronics	a_o_p@mail.ru	110.075
Mire, S. , University of Houston	sarahmire@gmail.com	105.011, 116.130	Morris, J. , Ph.D., University of Virginia	jmporris@virginia.edu	116.038
Mirenda, P. , PhD, University of British Columbia	pat.mirenda@ubc.ca	105.137, 116.142, 128.003, 128.102, 134.080, 134.114	Morris, R. , Massachusetts Institute of Technology	rmorris@media.mit.edu	116.157
Mishori, E. , MEd, The Hebrew University Jerusalem	ed.mishori@gmail.com	116.083	Morrow, B. , Albert Einstein College of Medicine	bernice.morrow@einstein.yu.edu	114.006
Mitchell, S. , Hospital for Sick Children	shelleyjaym@rogers.com	116.127, 128.006	Morrow, M. A. , The Children's Hospital	morrow.mary@tchden.org	116.126
Miyamoto, S. , University of Tsukuba	smiyamot@human.tsukuba.ac.jp	134.061	Mortensen, E. , Institute of Public Health and Center for Healthy Aging, University of Copenhagen	elme@sund.ku.dk	131.005
Mochizuki, N. , Hamamatsu University School of Medicine	naoto.soul.517@gmail.com	116.102, 116.103	Mosconi, M. W. , Ph.D., University of Illinois at Chicago	mmosconi@psych.uic.edu	110.064, 116.057, 134.058
Mody, I. , University of California at Los Angeles	mody@ucla.edu	104.001	Moses, L. , University of Oregon	moses@uoregon.edu	134.027
Moffitt, A. , Mohamed-Musthafa, M. E. , PhD, FLS (UK), Sultan Qaboos University, Oman	moffitta@missouri.edu drmdessa@gmail.com	105.067, 105.134 110.016	Mostofsky, S. H. , Johns Hopkins School of Medicine, Kennedy Krieger Institute	mostofsky@kennedykrieger.org	105.176, 134.112, 134.134, 134.145
Mohapatra, L. , University of Miami	moholeen@gmail.com	110.061, 134.097	Mott, M. C. , University of Louisville	megsterz@gmail.com	110.002
Molesworth, C. , Institute of Psychiatry, KCL	c.j.molesworth@googlemail.com	110.172	Mottron, L. , Dr., Ph.D., Université de Montréal	mottronl@istar.ca	115.006, 115.008, 128.117, 128.195, 128.196, 128.197, 132.006, 134.009, 134.033, 134.100, 134.110, 134.116, 134.117, 134.122, 134.126
Molholm, S. , Ph.D., Albert Einstein College of Medicine	sophie.molholm@einstein.yu.edu	110.077	Mouton, P. , University of South Florida School of Medicine	peter@disector.com	124.006
Molholm, S. , Ph.D., Albert Einstein College of Medicine	sophie.molholm@einstein.yu.edu	110.078	Mower, E. , PhD	mower@usc.edu	116.162
Molina, P. F. M. , University of Turin	paola.molina@unito.it	110.143	Moy, S. , University of North Carolina at Chapel Hill	ssmoy@med.unc.edu	123.004
Molloy, C. A. , MD, Cincinnati Children's Hospital Medical Center	cynthia.molloy@cchmc.org 110.007, 128.034	105.126, 107.001,	MRC AIMS Consortium, U. , Institute of Psychiatry, King's College London; University of Cambridge; University of Oxford	MRCAIMS@kcl.ac.uk	116.029, 133.002
Molloy, E. , Washington University in St. Louis	etmolloy@go.wustl.edu	128.034	Mrug, S. , University of Alabama at Birmingham	sylva@uab.edu	105.060
Montague, R. , Montalvo, J. , MD	montar@spu.edu jocelyn_montalvo@hotmail.com	134.056 110.057	Mueffelman, D. , University of North Carolina	deborah_mueffelman@med.unc.edu	128.119
Montgomery, J. , PhD, University of Manitoba	montgom0@cc.umanitoba.ca	134.053, 134.068	Mukaddes, N. M. , Istanbul University, Istanbul Faculty of Medicine	nmotavalli@yahoo.com	105.150, 105.159
Montiel-Nava, C. , La Universidad del Zulia	ceciliamontiel@gmail.com	128.182	Mukerji, C. , BA	cora.mukerji@yale.edu	110.087
Moody, E. , University of Colorado, Denver	eric.moody@ucdenver.edu	134.059	Mukherjee, P. , Greg-Mullen@omrf.org	pratik.mukherjee@radiology.ucsf.edu	116.053, 116.055 110.028
Moore, L. , Graduate Student, Interdepartmental Neuroscience Program, UCLA	gringovich@ucla.edu	133.008	Mullen, G. P. , Oklahoma Medical Research Foundation	Greg-Mullen@omrf.org	110.028
Moran, M. , Ph.D., Sacred Heart University	moranm@sacredheart.edu	128.074	Müller, R. , Brain Development Imaging Laboratory, San Diego State University	amueller@sciences.sdsu.edu	116.040, 116.052, 116.054, 128.035, 133.001, 136.002
Morasse, K. , Hotel-Dieu de Lévis	karine_morasse@ssss.gouv.qc.ca	134.069	Mulligan, J. , Hospital for Sick Children	janice.mulligan@sickkids.ca	116.12
Morgan, E. , State University of New York	morgan.elizabethm@gmail.com	102.008	Mullins, A. , University of Windsor	mullins1@uwindsor.ca	116.116
Morgan, H. , Welsh Assembly Government	Hugh.Morgan3@wales.gsi.gov.uk	128.049	Mulloy, A. , M.Ed., The University of Texas at Austin	austinmulloy@gmail.com	105.040, 105.093
Morgan, L. , Florida State University	lindee.morgan@med.fsu.edu	128.081, 128.082, 137.001	Mundy, P. , University of California at Davis	pcmundy@ucdavis.edu	110.161, 116.149, 134.097
Mori, N. , Hamamatsu University School of Medicine	morin@hama-med.ac.jp	116.037			
Morin, K. , Perceptual Neuroscience Laboratory for Autism and Development, CETEDUM	karine.morin.6@umontreal.ca	134.100			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Munger, S. M., University of Alabama at Birmingham	smmunger@uab.edu	128.132	Nahmias, A. S., University of Pennsylvania	allison.s.nahmias@vanderbilt.edu	105.027
Munir, K., Developmental Medicine Center, Boston Children's Hospital	kerim.munir@childrens.harvard.edu	110.104	Naigles, L., University of Connecticut	letitia.naigles@uconn.edu	128.017, 128.088, 128.096, 128.140, 128.158, 134.042
Munson, J., PhD, University of Washington	jeffmun@u.washington.edu	105.173, 107.008, 110.183, 128.023, 134.064	Nair, A., M.A., San Diego State University / University of California, San Diego	anair@ucsd.edu	116.052, 136.002
Muratori, F., University of Pisa - Stella Maris Scientific Institute	filippo.muratori@inpe.unipi.it	110.080, 110.143, 119.005, 128.110	Nair, S., Stanford University	surekhanair@hotmail.com	108.008
Murdaugh, D.	lildm29@uab.edu	116.028	Najdowski, A.	a.najdowski@centerforautism.com	116.168
Murias, M., University of Washington	mmurias@u.washington.edu	107.008, 110.062, 110.072, 134.045, 134.123	Nakajima, S., Hamamatsu University School of Medicine	hi-fly@rouge.plala.or.jp	116.102, 116.103
Murin, M.	mariana_murin@hotmail.com	110.192, 128.043	Nakamura, A., National Center for Geriatrics and Gerontology	nakamura@ncgg.go.jp	116.041
Murphy, C., King's College London, Institute of Psychiatry	clodagh.murphy@iop.kcl.ac.uk	110.042, 116.022, 116.063, 128.021, 133.007	Nakamura, K., Hamamatsu University School of Medicine	nakamura@hama-med.ac.jp	116.037
Murphy, D., University of Florence	murfs.au@gmail.com	134.063	Naples, A., Yale Child Study Center	adam.naples@yale.edu	110.070, 110.082, 110.084, 110.087, 115.001
Murphy, D., Professor, Institute of Psychiatry, King's College London	Declan.Murphy@iop.kcl.ac.uk	133, 103.008, 105.055, 105.170, 106.003, 108.006, 110.042, 116.022, 116.029, 116.063, 128.021, 133.002, 133.007	Napolitano, C., Ospedale pediatrico Bambino Gesù	napolitanocarmen@yahoo.it	105.003
Murphy, P., University College London	padraigmurchu@gmail.com	134.130	Napolitano, D. A., University of Rochester Medical Center	deborah_napolitano@urmc.rochester.edu	105.044
Murray, D., PhD, Cincinnati Children's Hospital Medical Center	donna.murray@cchmc.org	107.007, 128.028, 128.034	Narayanan, S., PhD, Signal Analysis and Interpretation Laboratory (SAIL), University of Southern California	shri@sipi.usc.edu	116.162, 116.163
Murray, M., M.D., Penn State Hershey	mmurray2@psu.edu	116.123, 128.109	Nardone, A., University of Glasgow	0703328N@student.gla.ac.uk	110.164
Murray, S., Scripps Genomic Medicine	Murray.Sarah@scrippshealth.org	110.052	Narita, M., Mie University	narita_m@doc.medic.mie-u.ac.jp	110.023
Musa, T., University of Rochester	tina_musa@urmc.rochester.edu	128.145	Narita, N., Bunkyo University	nnarita@koshigaya.bunkyo.ac.jp	110.023
Muskat, B., Hospital for Sick Children	barbara.muskat@sickkids.ca	116.127	Narzisi, A., Psychologist, University of Pisa A- Stella Maris Scientific Institute	antonio.narzisi@inpe.unipi.it	105.064, 110.143, 128.110
Musker, E., University of California, San Diego	emusker@gmail.com	128.053	Nations, L., MA, John P Hussman Institute for Human Genomics	lnations@med.miami.edu	114.005, 128.014
Mussey, J., University of Alabama	jlmussey@crimson.ua.edu	128.041, 134.067	Navab, A.	missana@ucla.edu	116.140, 128.152
Muzik, O., Children's Hospital of Michigan, Wayne State University	omuzik@pet.wayne.edu	104.005	Navidi, G., National Institute of Mental Health (NIMH)	navidig@mail.nih.gov	116.182
Muzorewa, T., University of Missouri	ttmkz5@mail.missouri.edu	110.074	Nay, A., Saint Louis University	anay@slu.edu	110.145
Myers, B., PhD	bmyers@vcu.edu	128.120	Nazneen, N., Georgia Institute of Technology	nazneen@gatech.edu	116.095, 116.111
<b>N</b>			Neal, A. R., University of Texas	nealr@psy.utexas.edu	110.168
Nadel, J., CNRS USR 3246	jacqueline.nadel@upmc.fr	116.166	Negrone, X., M.D., St. Luke's Memorial Hospital	xsol_luna@hotmail.com	110.057
Nadig, A., Ph.D., McGill University	aparna.nadig@mcgill.ca	105.005, 128.159, 134.085	Neil, N., Brock University	nn09gq@brocku.ca	105.079
Nadler, J., PhD, University of North Carolina at Chapel Hill	jessica_nadler@med.unc.edu	123.004	Nelson, C., Harvard Medical School/ Children's Hospital Boston	charles.nelson@childrens.harvard.edu	115.003, 134.021, 134.096, 134.098
Nafate-Lopez, O., MD, Hospital Psiquiatrico Infantil	tdah.autismo@gmail.com	105.164	Nelson, P., Georgia State University	pbrookenelson@gmail.com	128.107
Nafate Lopez, O., MD, Hospital Psiquiatrico Infantil	tdah.autismo@gmail.com	105.175	Nelson, R., PhD, University of Utah	Richard.Nelson@utah.edu	116.080
Nagarajan, S.	srikantan.nagarajan@radiology.ucsf.edu	116.053, 116.055	Nelson, S. F.	snelson@ucla.edu	110.038
Nagasaki, T., University of Tsukuba	SGP02144@nifty.com	105.034	Nelson, Y., B.A., Seattle Children's Hospital and Research Institute	young.nelson@seattlechildrens.org	110.106
Nagori, A., New York State Institute for Basic Research in Developmental Disabilities	aarther1@slu.edu	110.005	Nelumdeniya, C., University of Auckland	chatunld@hotmail.com	136.007
Nahmias, A., M.Ed.	asn2@sas.upenn.edu	105.009	Nester, M., King Faisal Specialist Hospital and Research Center	nester@kfshrc.edu.sa	110.055

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Nestle, J., Kennedy Krieger Institute	nestle@kennedykrieger.org	110.038	Novikova, S., National Institute of Mental Health	novikovas@mail.nih.gov	110.039
Network, I. B. I. S., Autism Center of Excellence at UNC	IBISnetwork@gmail.com	125.001, 125.002, 125.003, 125.004, 128.125, 128.194	Nowicki, K., M.D., New York State Institute for Basic Research in Developmental Disabilities	Krzysztof.nowicki@omr.state.ny.us	114.001, 116.003, 116.004, 116.005,
Neumann, D., PhD, California Institute of Technology	dirk@caltech.edu	110.081, 116.069	Nowlin, R., University of Texas at Dallas	116.007 rachel.b.nowlin@gmail.com	128.060
Neuwirth, C., Children's Specialized Hospital	COliveri@childrens-specialized.org	105.090	Noyes-Grosser, D., Bureau of Early Intervention, New York State Department of Health	dmn02@health.state.ny.us	102.008
Neves, S., UMDNJ	nevessc@umdnj.edu	102.007	Nuttall, A., B.A., University of Notre Dame	anutall@nd.edu	128.149
Newbigin, A., Doctoral Candidate, Olga Tennison Autism Research Centre, La Trobe University	a.newbigin@latrobe.edu.au	134.072	Nyman, A., Karolinska Institutet	anastasia.iliadou@ki.se	122.001, 122.002, 122.003, 122.004
Newman, A., M.Ed., BCBA	newmaa@ccf.org	105.013			
Newsom, C., Psy.D., Vanderbilt University	cassandra.r.newsom@vanderbilt.edu	134.036	<b>O</b>		
Newton, T., Brigham Young University	newton.tiffani@gmail.com	105.066, 110.045, 110.086, 113.003, 134.024	O'Connor, K., M.Ed., University of Missouri	kav2mf@mail.mizzou.edu	105.067, 105.134, 110.094
Nguyen, D. H., University of California, Irvine	dhn@uci.edu	116.147	O'Hara, R., Stanford University School of Medicine	roh@stanford.edu	110.008
Nguyen-Phuc, A., Yale University	alyssa.nguyen-phuc@yale.edu	103.007, 110.070, 110.082	O'Kelley, S. E., Ph.D., UAB Civitan-Sparks Clinics	sokelley@uab.edu	110.105, 110.146, 110.149, 128.030, 128.132, 128.160, 128.175, 132.001
Nguyen Williams, K., Ph.D., University of California, San Diego	ktwilliams@rchsd.org	116.086	O'Loughlin, K., Yale University School of Medicine	kerry.oloughlin@yale.edu	128.008
Niccols, A., PhD, Hamilton Health Sciences Centre	NICCOLS@HHSC.CA	109.004	O'Reilly, M., Ph.D., The University of Texas at Austin	markoreilly@mail.utexas.edu	105.040, 105.093
Nicholas, D. B., PhD, University of Calgary	nicholas@ucalgary.ca	105.089, 105.166, 116.110, 116.127	O'Rourke, J., PhD, MS, Massachusetts General Hospital	joorourke@partners.org	116.154
Nicholas, J. S., Medical University of South Carolina	nicholjs@musc.edu	110.099, 110.101, 110.108, 110.109, 110.112, 110.114	Oberleitner, R., Behavior Imaging Solutions	ron.oberleitner@behaviorimaging.com	116.176
Nicholls, L., LCST, M.Phil, MSC in Autism, National Autistic Society	lilias.nicholls@nas.org.uk	105.125	Obukhanych, T., Stanford University School of Medicine	tetyanao@stanford.edu	108.008, 110.008
Nichols, Ph.D, S., Fay J. Lindner Center for Autism	drshananichols@gmail.com	105.086, 105.133, 134.012	Obukhov, Y., Institute of Radio-Engineering and Electronics, Russian Academy of Sciences	morozov@cplire.ru	110.075
Nielsen, J. A.	jared.nielsen@hsc.utah.edu	116.030	Odeh, J.	jhodeh@gmail.com	116.109
Niefeld, J., Vanderbilt University	jen.niefeld@gmail.com	101.004	Odom, S., University of North Carolina	slodom@unc.edu	117, 105.116, 108.007, 116.088, 116.139, 128.031, 128.130
Nilsen, C., University of Alabama at Birmingham	cbn1359@uab.edu	128.132	Oguro-Ando, A., Ph.D., The University of California	asami.oguroando@gmail.com	104.004, 110.021
Nishijima, I., Tohoku University Graduate School of Medicine	nishijii@med.tohoku.ac.jp	110.025	Oh, A., The Hospital for Sick Children	a.oh@utoronto.ca	110.179
Nishimura, Y., Mie University	yuhei@doc.medic.mie-u.ac.jp	110.021	Ohkawara, T., Mie University	tohkawara@doc.medic.mie-u.ac.jp	110.023
Noble, H., Vanderbilt	hylan.e.noble@vanderbilt.edu	128.033	Oi, Ph.D, M., United Graduate School of Child Development, Osaka University, Kanazawa University, and Hamamatsu University School of Medicine	oimanabu@ed.kanazawa-u.ac.jp	110.178
Noens, I., Katholieke Universiteit Leuven	ilse.noens@ped.kuleuven.be	105.041, 110.173, 114.002	Oliveira, G., Scripps Genomic Medicine	Oliveira.Glenn@scrippshealth.org	110.052
Noens, I. L., Massachusetts General Hospital	ilse.noens@ped.kuleuven.be	109.005, 128.097	Oliveras-Rentas, R., Psy.D., Ponce School of Medicine	neuropsychologiapr@gmail.com	110.05
Nordahl, C., Ph.D., UC Davis M.I.N.D. Institute	crswu@ucdavis.edu	116.039, 116.072	Ollendick, T., PhD, Virginia Polytechnic Institute and State University	tho@vt.edu	105.142
Nordahl, C. W., University of California, Davis	crswu@ucdavis.edu	116.048	Ollington, N.	Nadia.Ollington@utas.edu.au	105.113
Nordahl Hansen, A., University of Oslo	anderjh@student.uio.no	105.030, 128.147	Olson, E., Ph.D.	emo4@uw.edu	110.183
Nørgaard-Pedersen, B., MD, D.Sc., Statens Serum Institut	bnp@ssi.dk	131.005	Olu-Lafe, O., Boston University	flafe@bu.edu	134.047
Norona, A.,	amanda.norona@gmail.com	110.059, 110.068	Omer, H., Tel-Aviv University	omer1@post.tau.ac.il	105.061
Norris, M., University of Rochester	megan_norris@urmc.rochester.edu	128.032	Omori, M., Keio University	mo_carzy@yahoo.co.jp	110.182
Northrup, J., University of Pittsburgh	jbn12@pitt.edu	134.133, 134.140, 138.006			
Nottke, C., Florida State University Autism Institute	charly.nottke@med.fsu.edu	128.163			
Novikova, S., PhD, NIMH	svetlana.novikova@nih.gov	116.182			



# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Ono, K., National Center for Geriatrics and Gerontology	sihho_-kartoon@nifty.com	116.041	Pallett, P., Dartmouth College	ppallett@gmail.com	134.127
Ono, K., University of Miami, Psychology	kim.e.ono@gmail.com	134.097	Pallett, P.	ppallett@gmail.com	132.005
Oppenheim, D., Haifa University	oppenhei@psy.haifa.ac.il	116.079, 128.078	Pan, Z., The Children's Hospital / The Children's Hospital / The University of Colorado at Denver and Health Sciences Center	Pan.Zhaoxing@tchden.org	105.105
Oram, J., Brain Development Imaging Laboratory, San Diego State University	jessie3000@netzero.net	116.04	Pandey, J., Ph.D., Children's Hospital of Philadelphia	pandeyj@email.chop.edu	128.036
Orekhova, E. V., Dr., Sahlgrenska University Hospital	elena@neuro.gu.se	110.075	Panzer, R., MA, Autism Treatment Network	rpanzer@partners.org	105.115
Orenski, K., MS, Alliant University	korenski@gmail.com	105.154	Paolicchi, J., MD, Vanderbilt University Medical Center	juliann.paolicchi@vanderbilt.edu	115.007
Orinstein, A., University of Connecticut	alyssa.orinstein@uconn.edu	128.017, 128.018, 128.088, 128.103, 128.158	Papadopoulos, E., University of Utah	lia.papadopoulos@utah.edu	136.001
Orlich, F., PhD, University of Washington/ Seattle Children's Hospital	felice.orlich@seattlechildrens.org	110.106	Papanicolaou, A. C., Univ. of Texas Medical School, Houston	Andrew.C.Papanicolaou@uth.tmc.edu	116.078
Orsmond, G., Boston University	gorsmond@bu.edu	128.069	Paparella, T., PhD, UCLA Center for Autism Research and Treatment	Tpaparella@mednet.ucla.edu	110.059
Osanaï, H., Musashino Higashi Gakuen	osanaï@musashino-higashi.org	134.124	Papp, A., B.S., The Ohio State University	papp.2@osu.edu	124.002
Osann, K., PhD, University of California, Irvine	kosann@uci.edu	101.003	Paquin-Hodge, C., Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM)	e.paquin.hodge@gmail.com	134.126
Oswald, D., PhD, Commonwealth Autism Service	doswald@vcu.edu	105.153	Paredes, J., Yale University Child Study Center	jose.paredes@yale.edu	134.133
Oswald, T., University of Oregon	toswald@uoregon.edu	134.027	Parise, C.	parisec@sutterhealth.org	128.165
Oti, R., PhD, Seattle Children's Hospital and Research Institute	rosalind.oti@seattlechildrens.org	110.106	Parish-Morris, J., Temple University	jparish@temple.edu	128.125, 128.139, 134.093
Otte, E., RWTH Aachen University	ellen.otte@psych.rwth-aachen.de	110.089	Park, G., University of California, Los Angeles	gracepark3@gmail.com	128.152, 134.014, 137.003
Ou, J., UCLA	jingou@mednet.ucla.edu	110.047	Parker, C. L.	clphf2@mizzou.edu	110.126
Ouchi, Y., Hamamatsu University School of Medicine	ouchi@hama-med.ac.jp	116.037	Parker, J., PhD, Trent University	jparker@trentu.ca	105.143, 128.079
Ousley, O., Ph.D., Emory University	opal.ousley@emory.edu	105.136, 116.179	Parker, K. J., Ph.D.	kjparker@stanford.edu	105.157, 110.008, 110.009, 110.128, 128.067, 128.089, 132.007
Oyabu, A., Mie University	307M006@m.mie-u.ac.jp	110.023	Parker, M. E., M.S., P.T., Texas State University	MParkerPT@aol.com	128.074
Oyen, A., ABC-study/ Norwegian Inst of Public Health	asoyen@online.no	110.148	Parker, W., University of Pennsylvania, Section for Biomedical Image Analysis	William.Parker@uphs.upenn.edu	116.076
Ózalp Kartal, O., Ankara University	OYA@knac.com	105.151	Parks, N., Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	natalie.parks@choa.org	105.026, 105.091, 105.119
Ozonoff, S., PhD, University of California, Davis	sally.ozonoff@ucdmc.ucdavis.edu 110.129, 110.161,	109.002, 110.125, 114.003, 116.039, 116.048, 116.072, 116.149, 134.083	Parladé, M., M.S., University of Pittsburgh	mvp15@pitt.edu	138.005
<b>P</b>			Parlier, M., University of North Carolina, Chapel Hill (UNC-CH)	mparlier@med.unc.edu	116.043
Pabico, R., Shabani Institute	rpabico@shabani-institute.org	105.101	Parner, E., University of Aarhus	parner@biostat.au.dk	122.001, 122.002, 122.003, 122.004
Padden, D.	dpadden@u.washington.edu	110.067	Parsons, S., University of Birmingham	s.j.parsons@soton.ac.uk	116.144
Padilla, Y., BA, University of Iowa	yaniz-padilla@uiowa.edu	105.174, 116.175	Partanen, A., University of Turku	aui.partanen@utu.fi	110.127, 110.130
Padilla-Amezcuca, H., MD, Hospital Psiquiatrico Infantil	amezcua310@hotmail.com	105.164, 105.175	Pasca, A., Stanford University	anca.m.pasca@gmail.com	124.008
Pagani, L., PhD, Professor, School of Psycho-Education, University of Montreal	linda.s.pagani@umontreal.ca	134.100	Pasca, S., Stanford University	sergiu.pasca@gmail.com	124.008
Pain, H., University of Edinburgh	helen@staffmail.ed.ac.uk	116.180	Pasco, G., University of Cambridge	gp310@medschl.cam.ac.uk	116.029, 119.006, 128.042, 128.111
Palance, M., MA, Children's Hospital of Michigan	mbehen@pet.wayne.edu 128.092	105.178, 128.046,	Pasko, B. E., University of Colorado Denver, Anschutz Medical Campus	bryce.pasko@ucdenver.edu	116.027
Palatinus, K., MA, University of Connecticut	kinga.palatinus@uconn.edu	105.069			
Palermo, R., PhD, Australian National University	romina.palermo@anu.edu.au	134.103			
Palilla, J., Brigham Young University	jm.palilla@gmail.com	105.066, 113.003			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Patel, B. , Children's Hospital of Michigan	mbehen@pet.wayne.edu	105.178, 128.045, 128.046, 128.090	Pennick, M. R.	markpenn@uab.edu	116.028
Patel, H.	patelhh@umdnj.edu	110.111, 118.008	Pennington, B. , PhD, University of Denver	bpenning@du.edu	134.059
Paterson, A. D.	andrew.paterson@utoronto.ca	128.029	Perez, T. , MA, University of Alabama at Birmingham	tap728@uab.edu	110.105, 128.132, 128.175
Paterson, S. , Children's Hospital of Philadelphia	patersons@email.chop.edu	125.001, 125.002, 125.003, 125.004, 128.125, 128.139, 128.194, 134.093	Pericak-Vance, M. , University of Miami	mpericak@med.miami.edu	105.172, 110.053, 110.054, 114.005, 128.014
Patriquin, M. , M.S., Virginia Tech	mpatriq@vt.edu	110.091	Perissinoto, J. , Universidade Federal de Sao Paulo	jacyperi@terra.com.br	105.022, 110.181
Patterson, C. , PhD, University of Alabama at Birmingham	cspatter@uab.edu	105.060	Perkins, T. , BA, (Psychology), Deakin University	perkot@gmail.com	110.088, 116.075, 119.008
Patterson, S. , University of Alberta	syp1@ualberta.ca	116.131, 128.161	Perlis, L. , PsyD, Fay J. Lindner Center for Autism and Developmental Disabilities	lperlis@ahrc.org	105.086
Paul, L. K. , Ph.D., Caltech	lkpaul@hss.caltech.edu	116.069, 128.073	Perreault, A. , Montréal	perreault.audrey@gmail.com	134.100, 134.117
Paul, R. , Ph.D., CCC-SLP, Yale Child Study Center	rhea.paul@yale.edu	128.007, 128.126	Perrin, E.	eperrin@tuftsmedicalcenter.org	116.135, 128.011
Pauley, G. , University of Washington	gpauley@uw.edu	103.003	Perry, A. , Ph.D. C.Psych, York University	perry@yorku.ca	105.004, 105.108, 113.005, 128.037, 128.141, 128.148
Pauls, D. L. , Massachusetts General Hospital	dpauls@partners.org	116.154	Perszyk, D.	danielle.perszyk@yale.edu	110.070, 110.082, 110.084, 110.087, 115.001
Pauly, M. , RD MS, University of Arkansas for Medical Sciences	mpauly@conwaycorp.net	110.007	Peruzzi, P. , AOB	peruzzip@hotmail.it	128.055
Paus, T. , University of Toronto	tpaus@rotman-baycrest.on.ca	103.002	Pessah, I. N. , University of California at Davis, M.I.N.D. Institute	inpessah@ucdavis.edu	104.006
Pavliv, O. , University of Arkansas for Medical Sciences	pavlivoleksandra@uams.edu	110.013, 110.020	Peterman, R. , Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	richard.peterman@choa.org	105.018
Paylor, R. , PhD, Baylor College of Medicine	rpaylor@bcm.edu	104	Peters, B. , Medical Doctor, Monroe Carell Childrens Hospital at Vanderbilt University	brittany.n.ray@vanderbilt.edu	110.044
Pearl, A. , Ph.D., Penn State Milton S. Hershey Medical Center, Penn State College of Medicine	apearl@hmc.psu.edu	116.123, 128.109	Peters, S.	sarika.u.peters@vanderbilt.edu	110.041, 128.070
Pearson, D. , Ph.D., University of Texas Medical School, Houston	Deborah.A.Pearson@uth.tmc.edu	110.121, 113.002, 116.078	Peters, S. , Rutgers University	speters025@psychology.rutgers.edu	134.143
Pearson, S. , B.S., University of North Carolina at Chapel Hill	samara_pearson@med.unc.edu	105.130	Peterson, B. , M.D., Columbia University, NYS Psychiatric Institute	PetersoB@childpsych.Columbia.edu	116.150
Peck, R. , DT	robin_peck@urmc.rochester.edu	105.111	Peterson, C. R. , University of Wisconsin — Stout	peteronchris@uwstout.edu	105.044
Peddle, M. , Prometheus Research, LLC	matt@prometheusresearch.com	116.165	Peterson, E. , Ph.D., University of Northern Colorado	Phillip.Peterson@unco.edu	116.061
Pedersen y Arbona, A. , M.S., University of Arizona	pedersea@email.arizona.edu	110.098, 118.001	Pettygrove, S. , Ph.D., University of Arizona	sydneyp@u.arizona.edu	110.098
Peeters, H.	hilde.peeters@med.kuleuven.be	114.002	Pfeifer, J. , Ph.D.	jpfeifer@uoregon.edu	116.021
Peles, E. , Weizmann Institute	peles@weizmann.ac.il	104.001	Pham, D. , UCLA	dpham@mednet.ucla.edu	116.015
Pellegrini, S. , Ph.D., Institut Pasteur	pelleagri@pasteur.fr	104.004	Pham, K. , For OC Kids Neurodevelopmental Center	pham.k.l@gmail.com	128.057
Pelletier, M.	martin.pelletier.2@umontreal.ca	128.197	Phan, J. T. , For OC Kids Neurodevelopmental Center	phanjt@uci.edu	128.057
Pellicano, E. , Institute of Education	l.pellicano@ioe.ac.uk	134.060, 134.063	Phillips, J. , PhD, Stanford University School of Medicine/Lucile Packard Children's Hospital	jenphil@stanford.edu	105.157, 108.004, 110.009, 110.128, 114.003, 128.067, 128.089
Pellington, S.	sydonnie_ss@hotmail.com	110.121	Piacenza, L. , BS, Stanford University	lucia.piacenza@gmail.com	120.008
Pelphrey, K. , Ph.D., Yale University Child Study Center	kevin.pelphrey@yale.edu	103.006, 103.007, 105.050, 110.165, 116.016, 116.018, 116.025, 116.026, 116.032, 116.033, 116.042, 116.049, 116.062, 116.066, 116.070, 128.052, 135.003, 136.005	Piatt, C.	piatt@ualberta.ca	110.169
Pelzel, K. , PhD, University of Iowa Hospitals and Clinics	kelly-pelzel@uiowa.edu	105.174, 116.175	Picard, R. , Massachusetts Institute of Technology, The Media Laboratory	picard@media.mit.edu	116.145, 116.157, 116.159
Pena, J. , La Universidad del Zulia	juaco949@hotmail.com	128.182	Piccolini, G. , Rady Children's Hospital, San Diego	gpiccolini@casrc.org	116.128
Penagarikano, O. , Ph.D., University of California at Los Angeles	openaga@ucla.edu	104.001, 104.004	Pickles, A. , Institute of Psychiatry, King's College London	andrew.pickles@kcl.ac.uk	105.109, 138.003
Penn, A. , MD, PhD, Stanford University School of Medicine	apenn@stanford.edu	110.128			
Penn, D. L. , Ph.D., University of North Carolina	dpenn@email.unc.edu	108.001			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Pierce, Ph.D, K. , Ph.D., University of California, San Diego	kpierce@ucsd.edu	120, 105.002, 105.104, 109.007, 110.052, 120.001, 120.002, 120.003, 124.001, 124.005, 128.053, 128.054	Prentice, H. , Midstate Medical Center	hprentice@midstatemedical.org	128.126
Pieters, S. , Ghent University	Stefanie.Pieters@UGent.be	105.145	Preston, J. , Haskins Laboratories	preston@rapid.haskins.yale.edu	134.108
Piggot, J. , University of California, Los Angeles	jpiggot@mednet.ucla.edu	116.015	Pretzel, R. , University of North Carolina - Chapel Hill	Becky.Edmondson@CIDD.UNC.EDU	103.004
Pileggi, L. , University of Cape Town	Lea-Ann.Pileggi@uct.ac.za	110.010	Prokofyev, A. , Moscow State University of Psychology and Education	mumrik1983@gmail.com	110.075
Pillai, R.	raja.pillai@yale.edu	116.026, 116.049, 116.066	Prud'hommeaux, E. T. , Oregon Health & Science University	emtucker@cslu.ogi.edu	128.084
Piras, A. , PhD	apiras@bu.edu	116.006	Pugliese, C. , M.S., Virginia Polytechnic Institute and State University	cara.pugliese@gmail.com	105.142, 105.155
Pitskel, N. , University of Pittsburgh School of Medicine	nbpitskel@gmail.com	103.006, 116.025, 116.032	Puleo, C.	connor.puleo@temple.edu	105.149
Piu, M. , AOB	marcellopiu@tiscali.it	128.124	Pulverman, R. , Delaware State University	rpulverm@temple.edu	128.139
Piven, J. , University of North Carolina, Chapel Hill (UNC-CH)	jpiven@med.unc.edu	125, 116.043, 125.001, 125.002, 125.003, 125.004, 128.072, 134.094	Pulver Tetenbaum, S. , PhD, ASPIRE Center for Learning and Development	sptaspire@gmail.com	105.086
Pivnick, E. , UTHSC	ekarman54@gmail.com	110.046	Pun, E. , The University of Hong Kong	erikericpun@gmail.com	116.064
Plavnick, J. , University of North Carolina	josh.plavnick@unc.edu	105.057	<b>Q</b>		
Pleskac, T. J. , Michigan State University	tim.pleskac@gmail.com	134.039	Qasmieh, S. , Children's Hospital of Philadelphia	qasmiehs@email.chop.edu	115.005
Pokorny, J. , The M.I.N.D. Institute, University of California at Davis Medical Center	jpokorny@ucdavis.edu	116.023	Qian, X. , University of Minnesota	qianx035@umn.edu	128.173
Poline, J. , CEA	jbpoline@gmail.com	103.002	Queller, S. , Indiana University	queller@indiana.edu	134.039
Pollick, F. E.	f.pollick@psy.gla.ac.uk	110.164	Quigley, J.	QUIGLEYJ@tcd.ie	110.184
Pontes, A. , Sr. Oswaldo Cruz Foundation	adailtonpontes@yahoo.com	110.073	Quintin, E.	evemariequintin@gmail.com	134.094
Ponzio, N. M. , Department of Pathology and Laboratory Medicine, UMDNJ - New Jersey Medical School	ponzio@umdnj.edu	104.008	<b>R</b>		
Porayska-Pomsta, K. , London Knowledge Lab, Institute of Education	K.Porayska-Pomsta@ioe.ac.uk	116.180	R. C. AIMS Consortium, M. , University of Cambridge, King's College London, University of Oxford	cam.aims@gmail.com	103.008
Porges, S. , Ph.D., University of Illinois at Chicago	sporges@psych.uic.edu	110.091	Radmacher, P. , University of Louisville	pgradm01@louisville.edu	110.100
Portmann, T. , Stanford University	portho@stanford.edu	124.008	Radoeva, P.	radoevap@upstate.edu	114.006
Posada, M. , Carlos III Health Institute	mposada@isciii.es	116.106, 122.001, 122.002, 122.003, 122.004	Ragozzino, M. E. , Ph.D.	mrago@uic.edu	110.030, 110.064, 134.058
Posada-de la Paz, M. , National Research Institute of Rare Diseases, Instituto de Salud Carlos III	mposada@isciii.es	126.001	Rahbar, M. H. , University of Texas Health Science Center at Houston	mohammad.h.rahbar@uth.tmc.edu	110.121
Posthuma, D. , VU University	danielle.posthuma@cncr.vu.nl	110.034	Rajendran, G. , PhD, University of Strathclyde	thusha.rajendran@strath.ac.uk	116.180, 128.135
Poustka, F. , Goethe-University	Poustka@em.uni-frankfurt.de	110.014	Ramdhoney, K. , Kingston University London	kramdhoney@yahoo.com	134.086
Poustka, L. , Central Institute of Mental Health	Luise.Poustka@zi-mannheim.de	103.002	Ramdoss, S. , The University of Texas at Austin	sathiya.ramdoss@mail.utexas.edu	105.040, 105.093
Powell, C. M. , M.D., Ph.D., The University of Texas Southwestern Medical Center	craig.powell@utsouthwestern.edu	127	Ramsay, G. , Ph.D.	gordon.ramsay@yale.edu	110.185, 110.193, 134.140
Powell, K. K. , Children's National Medical Center	kp3346a@student.american.edu	134.05	Ramsden, C. , PhD, Cardiff University	RamsdenC@cardiff.ac.uk	128.049
Powell, N. , Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	nicole.powell@choa.org	105.120	Ramus, F. , CNRS	franck.ramus@ens.fr	110.180
Powell, P. , University of Alabama	patrickspowell@gmail.com	134.067	Rand, J. B. , University of Oklahoma Health Science Center	james-rand@omrf.org	110.028
Pramparo, T. , UCSF School of Medicine	pramparot@peds.ucsf.edu	124.006	Rangaramanujam, K. , Wayne State University	rkannan.wsu@gmail.com	104.005
Prem, S. , Robert Wood Johnson Medical School	smp312@lehigh.edu	104.003	Rangel, A. , PhD, California Institute of Technology	rangel@hss.caltech.edu	123.002
			Ranta, M. , B.S.	ranta@kennedykrieger.org	134.134
			Rao, P. , PhD, Kennedy Krieger Institute	raop@kennedykrieger.org	105.144
			Rathmell, B. , Seaside Therapeutics, LLC	brathmell@seasidetherapeutics.com	137.008

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Ratto, A. B., M.A., University of North Carolina	bassetta@email.unc.edu	103.004, 108.001, <b>110.155</b>	Rice, K. A.	katherine.rice@yale.edu	110.185, <b>110.188</b>
Ray, N., Stanford University	ncray@stanford.edu	110.009	Rice, L., PsyD, LEP, ABSNP, Moorpark Unified School District	lrice@mrpk.org	<b>105.085</b>
Ray-Chang, W., The George Washington University Medical Center	bcmrxw@gwumc.edu	110.056	Richards, J. A., LENA Foundation	JeffRichards@lenafoundation.org	113.008, 116.152, 128.091
Ray-Subramanian, C., Waisman Center, University of Wisconsin-Madison	cray@wisc.edu	<b>128.012</b>	Richdale, A., PhD, La Trobe University	a.richdale@latrobe.edu.au	107.006, <b>128.190</b> , 128.192
Raynaud, J. P., CHU de Toulouse	raynaud.jp@chu-toulouse.fr	116.169	Richey, J., Ph.D.	jar62@biac.duke.edu	<b>103.004</b> , 123.001
Rearick, M., TeachTown	molly@teachtown.com	116.183	Richler, J., Department of Psychological & Brain Sciences	jrichler@indiana.edu	<b>128.019</b>
Reaven, J., Ph.D., Univ. of Colorado Denver- JFK Partners	Judy.Reaven@ucdenver.edu	<b>105.047</b> , 105.054, 105.062, 105.080	Riedel, P., Max Planck Institute for Human Cognitive and Brain Sciences	priedel@cbs.mpg.de	134.099
Reavis, A., Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	andrea.reavis@choa.org	<b>105.124</b>	Riedl, M., Georgia Institute of Technology	riedl@gatech.edu	116.141
Redcay, E.	eredcay@gmail.com	<b>133.005</b>	Rietschel, M., Central Institute of Mental Health	marcella.rietschel@zi-mannheim.de	103.002
Reed, B., University of Central Arkansas	BMR06002@cub.uca.edu	128.16	Riley, M., M.S., Children's Hospital of Philadelphia	rileym1@email.chop.edu	116.019, 136.006
Reed, S., MA, Rady Children's Hospital San Diego	sreed@casrc.org	102.004, <b>105.063</b> , 105.100	Rinehart, N., Monash University	nicole.rinehart@monash.edu	110.063
Reichborn-Kjennerud, T., Norwegian Institute of Public Health	terk@fhi.no	110.148	Ring, H., University of Cambridge	har28@cam.ac.uk	116.051
Reichenberg, A., Kings College	avi.reichenberg@mssm.edu	122.001, 122.002, 122.003, <b>122.004</b>	Risch, N.	RischN@humgen.ucsf.edu	114.003
Reichow, B., Ph.D., Yale Child Study Center	brian.reichow@yale.edu	<b>102.005</b>	Rishikof, S., McGill University	stephanie.rishikof@mail.mcgill.ca	134.009, 134.111
Reiersen, A., Washington University in St. Louis School of Medicine	reiersea@psychiatry.wustl.edu	<b>105.176</b>	Rittenberg, A.	amr54@biac.duke.edu	103.004, 123.001
Reilly, B., Ph.D., University of Washington	beau.reilly3@gmail.com	105.165, <b>128.177</b> , 128.178	Rivera, S., PhD, University of California, Davis	srivera@ucdavis.edu	116.023, 116.035
Reilly, G., B.Sc., Stony Brook University	georgianna.reilly@gmail.com	105.086	Rizzolatti, G., University of Parma	giacomo.rizzolatti@unipr.it	134.121
Reinhardt, V., Florida State University	reinhardt@psy.fsu.edu	128.081	Roark, B., Oregon Health & Science University	roark@cslu.ogi.edu	128.084
Reinhold, J., CNP, Cincinnati Children's Hospital Medical Center	judy.reinhold@cchmc.org	128.028	Robbarts, M., University of Cape Town	michelle.mrobbarts@gmail.com	110.010, 134.139
Reisinger, E., MA, University of Pennsylvania	ereis@mail.med.upenn.edu	105.123	Robbarts-Hoogenhout, M.	michelle.robbarts@uct.ac.za	<b>134.057</b>
Reiss, A., Stanford University	reiss@stanford.edu	120.008, 128.072, 134.094	Robbins, T., University of Cambridge	twr2@cam.ac.uk	103.002
Reiter, L., University of Tennessee Health Science Center	lreiter@uthsc.edu	110.046	Robbins-Monteith, K.	kendra.robbins-monteith@ childrens.harvard.edu	<b>105.097</b>
Reitzel, J., McMaster Children's Hospital/ McMaster University	reitzel@hsc.ca	101.002, 113.005	Roberts, T. P., PhD, Children's Hospital of Philadelphia	robertstim@email.chop.edu	115.005, 116.076
Rellecke, J., Humboldt-Universität zu Berlin	rellecju@psychologie.hu-berlin.de	116.045	Roberts, W., MD, University of Toronto	wendy.roberts@sickkids.ca	105.089, 105.137, 109.004, 110.179, 116.110, 116.127, 128.003, 128.004, 128.006, 128.009, 128.102, 134.020, 134.026, 134.080, 134.114, 138.001, <b>138.002</b>
Remington, A., University College London	a.remington@ucl.ac.uk	134.130	Robertson, A. E., M.Sc., M.A. (Hons), University of Glasgow	a.robertson@psy.gla.ac.uk	<b>134.120</b>
Reszka, S. S., University of North Carolina	sreszka@unc.edu	128.130	Robertson, C., University of Washington	sjwebb@u.washington.edu	115.002
Retico, A., National Institute of Nuclear Physics, Division of Pisa, Italy	alessandra.retico@pi.infn.it	119.005	Robertson, D., South London and Maudsley NHS Trust	dene.Robertson@btinternet.com	<b>110.042</b> , 128.021
Reyes, N. M., M.S., Virginia Polytechnic Institute & State University	reynados@hotmail.com	128.118, <b>128.131</b>	Robins, D. L., Georgia State University	drobins@gsu.edu	<b>126</b> , 110.142, 110.144, 110.187, 119.001, <b>126.004</b> , 128.039, 128.143, 134.078
Reynolds, A. M., MD, University of Colorado Denver	reynolds.ann@ichden.org	105.115, <b>107.001</b> , 110.007, 128.174, 137.007	Robinson, E., ScD, MGH, Harvard School of Public Health	erobinso@hsph.harvard.edu	<b>109.006</b>
Reynolds, S., Ph.D., OTR/L, Virginia Commonwealth University	staceyren02@yahoo.com	105.162, <b>128.189</b>	Robinson, S., Centre for Addiction and Mental Health	suzanne_robinson@camh.net	116.089
Reznick, J. S., PhD, University of North Carolina - Chapel Hill	reznick@email.unc.edu	116.087	Robison, R., M.D., M.B.A., University of Utah School of Medicine	reid.robison@hsc.utah.edu	110.045, 110.049, 110.050
Rice, C. E., National Center on Birth Defects and Developmental Disabilities	crice@cdc.gov	110.102, 110.108, <b>118.001</b> , 118.003			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Robson, D., The Flinders University of South Australia	danielle.robson@flinders.edu.au	105.179	Rouleau, N., Laval University	nancie.rouleau@psy.ulaval.ca	134.069
Robson, K., Isodynamic	Kraig.Robson@IsoDynamic.com	116.124	Roulston, K., University of Georgia	roulston@uga.edu	105.132
Robustelli, B., NIMH/NIH	robustelli@mail.nih.gov	116.031	Rowley, A.	ameliarowley@gmail.com	<b>105.049</b>
Rochette, A., Hôpital Rivière-des-Prairies	rochette.annie-claude@ courrier.uqam.ca	<b>115.008</b> , 128.195, 134.110	Roxas, W., Arthur F. Corey Elementary School	WendyRWRoxas@BPSD.K12.CA.US	116.147
Rockel, C., The Hospital for Sick Children	Conrad@sickkids.ca	116.067	Roy, S., UC San Diego	saudamin@andrew.cmu.edu	124.006
Rodger, S.	s.rodger@uq.edu.au	<b>105.053</b> , <b>116.099</b>	Rozenblit, L., PhD, Prometheus Research, LLC	leon@prometheusresearch.com	110.037, <b>116.165</b>
Roe, C., SUNY Upstate Medical University	roec@upstate.edu	124.005	Rozga, A., Georgia Institute of Technology	agata@gatech.edu	138.008
Roesser, J., MD, University of Rochester Medical Center	Jessica_Roesser@urmc.rochester.edu	<b>128.170</b>	Rubia, K., King's College London, Institute of Psychiatry,	k.rubia@iop.kcl.ac.uk	116.022, 133.007
Roeyers, H., Ghent University	Herbert.Roeyers@UGent.be	105.145, 116.024, 128.064, <b>128.113</b> , 134.048	Rubin, D., B.A., University of Connecticut	devin.rubin@uconn.edu	134.042
Rogers, S., University of California, Davis	sally.rogers@ucdmc.ucdavis.edu 105.092, 109.002,	<b>121</b> , 105.015,  116.023, 116.039, 116.048, <b>117.004</b> , <b>121.001</b> , 134.083, 137.004	Ruble, L. A., Ph.D. University of Kentucky	lisa.ruble@uky.edu	<b>116.170</b> , <b>117.003</b>
Rojas, D. C., University of Colorado Denver, Anschutz Medical Campus	don.rojas@ucdenver.edu	116.027, 116.047, 116.061, <b>116.071</b>	Rudie, J. D., UCLA	rudie@ucla.edu	<b>103.001</b> , 116.013, 116.014, 116.021, 116.058, 120.004, 133.008, 136.003
Roldan-Ceballos, O., MD, Asociacion Mexicana de Ninos con TDA y trastornos asociados A.C.	tdah.autismo@gmail.com	105.164	Ruigrok, A., University of Cambridge	ar560@medschl.cam.ac.uk	<b>116.029</b> , 119.006
Roldan Ceballos, O., MD, Asociacion Mexicana de Ninos con TDA y trastornos asociados A.C.	tdah.autismo@gmail.com	128.122	Rump, K., Ph.D., Children's Hospital of Philadelphia	rumpk@chop.edu	<b>134.092</b> , 134.104
Rolland, M., Neurodevelopmental Program, Riviere des Prairies Hospital	michel.rolland.hrdp@ssss.gouv.qc.ca	116.153	Runde, J., University of Denver	jsrunde@gmail.com	105.105
Romani, S., PhD, The Weizmann Institute of Science	sandro.romani@gmail.com	110.001	Rupp, B. M., University of North Carolina	brupp@email.unc.edu	108.001
Romano, S.	RomanoABA@Gmail.com	<b>105.008</b>	Russell, A., Dr, Kings College London, Institute of Psychiatry	a.russell@iop.kcl.ac.uk	<b>105.055</b> , <b>108.006</b>
Romero, R., NICHD, NIH, DHHS	prbchiefstaff@med.wayne.edu	104.005	Russo, A., Ph.D., Health Research Institute	ajrusso@hripte.org	<b>110.012</b>
Ronald, A., Birkbeck College	a.ronald@bbk.ac.uk	<b>128.042</b>	Russo, N., Ph.D., Albert Einstein College of Medicine	natalie.russo@einstein.yu.edu	110.077, <b>110.078</b>
Roncadin, C., PhD, Peel Children's Centre	croncadin@peelcc.org	<b>109.004</b> , 116.127, 128.004, 128.009, 138.001, 138.002	Russo, N. M., Ph.D., Rush University Medical Center	nicole_russo@rush.edu	<b>105.017</b>
Rosario, D., University of California, San Diego	drosario@ucsd.edu	109.007	Rutherford, H., Yale Child Study Center	helena.rutherford@yale.edu	110.084
Rose, S., University of Arkansas for Medical Sciences	rose@uams.edu	<b>110.020</b>	Rutishauser, U., PhD, Max Planck Institute for Brain Research	urut@brain.mpg.de	<b>110.081</b>
Rosen, P., M.S.Ed.	tuc69920@temple.edu	<b>102.002</b>	Ruttenberg, J., MA, The Center for Autism	jruttenberg@thecenterforautism.org	116.114
Rosenbaum, P., McMaster University	rosenbau@mcmaster.ca	128.162	Ruysschaert, L., Gent University	Lieselot.Ruysschaert@UGent.be	<b>116.024</b> , 128.064
Rosensweig, C., The University of California, Los Angeles	croensweig@ucla.edu	110.021	Ryan, N., University of California, Davis	nilesmryan@gmail.com	133.004
Rosenthal, M., University of Connecticut	MRosenthal01@gmail.com	128.017, 128.018, 128.088, 128.158	Rystad, I., University of California, Los Angeles	idarystad@gmail.com	<b>105.158</b>
Ross, B., University of California, San Diego	rossben88@hotmail.com	105.063	S. Meilleur, A., Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM)	andree-anne.simard-meilleur@mail.mcgill.ca	<b>134.126</b>
Ross, B., PhD, University of Central Arkansas	BRoss@uca.edu	128.162	Saba, G., Center for Pervasive Developmental Disorders, AOB	sabages@gmail.com	128.114
Ross, I., MD, Huntington Memorial Hospital	ianrossmd@aol.com	110.081	Sabatino, A., University of North Carolina	sabatino.antoINETTE@gmail.com	<b>110.085</b>
Rossignol, D., International Child Development Resource Center	rossignolmd@gmail.com	<b>110.036</b>	Sadee, W., Dr.rer.nat, The Ohio State University	Wolfgang.Sadee@osumc.edu	124.002
Roth, C.,	chro@fhi.no	110.148	Sadek, S. A., University of Cambridge	sas76@medschl.cam.ac.uk	116.029, 119.006
Rotheram-Fuller, E., Ph.D., Temple University	erf@temple.edu	102.002, <b>105.071</b> , 110.160	Sadler, K., Mount Sinai School of Medicine	kirsten.edepil@mssm.edu	110.027

## S

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Saffran, J., University of Wisconsin-Madison	jsaffran@wisc.edu	128.127	Scahill, L., Yale University School of Medicine	lawrence.scahill@yale.edu	105.050, 105.128, 135.004
Saini, M., University of Toronto	michael.saini@utoronto.ca	105.089	Scammell, J. L.	scammel@uwindsor.ca	105.010
Saitovitch, A., Research Unit 1000 "Neuroimaging and Psychiatry", CEA - INSERM	a.saitovitch@gmail.com	128.123, 133.003	Scarpa, A., Ph.D., Virginia Tech	ascarpa@vt.edu	105.155, 110.091, 128.118, 128.131
Sajan, S., Ph.D., Seattle Childrens Hospital	samin.sajan@seattlechildrens.org	114.008	Schaaf, C. P.	schaaf@bcm.edu	128.022
Sakurai, T., Mount Sinai School of Medicine	takeshi.Sakurai@mssm.edu	110.022	Schaaf, R., PhD, OTR/L, FAOTA, Thomas Jefferson University	roseann.schaaf@jefferson.edu	105.090
Saleh, L., York University	leslie88@yorku.ca	134.138	Schalock, M.	schalom@wou.edu	128.179
Salomone, E.	erica.salomone@unito.it	110.143	Schechtman, M., Albert Einstein College of Medicine	dottoresa@gmail.com	105.129
Salvago, A., AOB	azzurrasalvago@tiscali.it	128.115, 128.151	Scheeren, A. M., VU University	A.Scheeren@psy.vu.nl	110.174, 128.061, 134.062
Salyakina, D., John P Hussman Institute for Human Genomics	dsalyakina@med.miami.edu	114.005	Schelinski, S., Max Planck Institute for Human Cognitive and Brain Sciences	schelinski@cbs.mpg.de	134.099
Sam, A. M., Frank Porter Graham Child Development Institute, University of North Carolina, Chapel Hill	annwil@email.unc.edu	128.071, 128.130	Schendel, D. E., Centers for Disease Control and Prevention	dcs6@cdc.gov	122, 122.001, 122.002, 122.003, 122.004
Samango-Sprouse, C., Ed.D., The Focus Foundation	cssprouse@aol.com	116.148	Schertz, H., Ph.D., Indiana University	hschertz@indiana.edu	105.116, 108.007
Samms-Vaughan, M., The University of the West Indies	msamms@cwjamaica.com	110.121	Scherzer, P., Université du Québec à Montréal	scherzer.peter_b@uqam.ca	128.195, 134.110
Samyn, V., Ghent University	Vicky.Samyn@UGent.be	134.048	Schietecatte, I., Ghent University	Inge.Schietecatte@UGent.be	128.064, 128.113
Sanchez, S., San Diego State University	s.sanchez32@gmail.com	128.035	Schieve, L., Ph.D., National Center on Birth Defects and Developmental Disabilities	Lschieve@cdc.gov	110.102, 110.108, 118.001
Sanderson, J., MS, UCLA Semel Institute for Neuroscience & Human Behavior	sanderson.jennifer@gmail.com	108.003	Schipul, S. E., Center for Cognitive Brain Imaging, Carnegie Mellon University	ses@andrew.cmu.edu	116.009
Sandin, S., Karolinska Institutet	sven.sandin@ki.se	122.001, 122.002, 122.003, 122.004	Schjølberg, S., Norwegian Institute of Public Health	synnve.schjolberg@fhi.no	110.148
Sandridge, A., Ph.D., Shafallah Centre for Children with Special Needs	amylsandridge@gmail.com	110.116, 116.097	Schmidt, B., RD, University of Rochester	brianne_schmidt@urmc.rochester.edu	105.107, 105.111, 110.007
Sanger-Hahn, R., Oregon Health & Science University	robbynhahn@gmail.com	128.086	Schmidt, L., University of California Davis School of Medicine	SchmidtLC@aol.com	110.133
San Jose, A.	antonia.sanjose@kcl.ac.uk	134.030	Schmidt, M., John P Hussman Institute for Human Genomics	MSchmidt@med.miami.edu	114.005
Sano, A., Massachusetts Institute of Technology, The Media Laboratory	akanes@mit.edu	116.145	Schmidt, R., PhD, The M.I.N.D. Institute	rjschmidt@ucdavis.edu	110.133
Santangelo, S. L., Sc.D., Department of Psychiatry, Harvard Medical School	ssantangelo@pngu.mgh.harvard.edu	109.006, 110.051, 110.122	Schmitt, L., University of Illinois at Chicago, Center for Cognitive Medicine	lschmitt@psych.uic.edu	105.020, 110.064, 116.057, 134.05
Santos, C., Hospital Psiquiatrico Infantil	tdah.autismo@gmail.com	128.122	Schmitt, R., PhD, Mount Sinai School of Medicine	rachel.schmitt@mssm.edu	105.083
Santos, C. W., MD, University of Texas Medical School at Houston	Cynthia.W.Santos@uth.tmc.edu	113.002	Schneider, M., PhD, Wilfrid Laurier University	mschneider@wlu.ca	116.132
Santos, J., Universidad de Salamanca	pepe_santos_borbujo@hotmail.com	116.106, 126.001	Schnetz-Boutaud, N., PhD, Vanderbilt University	nathalie.schnetz-boutaud@chgr.mc.vanderbilt.edu	110.053
Sarachana, T., George Washington University	letmetel@gmail.com	110.056	Schoen, E., M.S., CCC-SLP, Yale Child Study Center	elizabeth.schoen@yale.edu	128.007
Sarkar, N., PhD, Vanderbilt University	nilanjan.sarkar@vanderbilt.edu	116.171, 116.172	Schoevers, R., Groningen University Medical Center	r.schoevers@psy.umcg.nl	134.001
Sasanfar, R., M.D., Department of Psychiatry, Harvard Medical School	rsasanfar@pngu.mgh.harvard.edu	110.051, 116.154	Schohl, K., Marquette University	kirsten.schohl@marquette.edu	105.070
Sasson, N., University of Texas at Dallas	nsasson@utdallas.edu	110.085, 123.001, 128.060, 134.003	Scholte, E. M., Leiden University, Social and Behavioral Sciences	scholte@fsw.leidenuniv.nl	109.005, 114.002, 116.093, 128.097, 134.005
Sato, W., Kyoto University	sato@pri.kyoto-u.ac.jp	134.077	Schork, N., Scripps Research Institute	nschork@scripps.edu	109.007, 110.052, 124.001, 124.005, 124.006
Satterfield, R., Utah Department of Health	rsatterfield@utah.gov	110.124	Schram, S., University of Wisconsin, Milwaukee	slschram@uwm.edu	128.121
Saulnier, C. A., PhD, Yale Child Study Center	celine.saulnier@yale.edu	128.005, 128.059, 128.080, 134.018	Schreibman, L., PhD, University of California, San Diego	lschreibman@ucsd.edu	105.002, 105.063, 105.104
Saunders, K., MBBS, FRACP, Private practitioner	kerrysa@bigpond.com	116.075			
Saxe, R., Massachusetts Institute of Technology	saxe@mit.edu	133.005			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Schroeder, J. H. , York University, Toronto	jessica4@yorku.ca	134.138	Shattuck, P. , Washington University	shattuck@waisman.wisc.edu	110.096
Schuessler, K. , University of Pittsburgh	kaitlin.schuessler@gmail.com	138.005	Shaw, D. , University of Washington	ddshaw@uw.edu	103.003
Schuh, J. , University of Connecticut	jillian.schuh@gmail.com	<b>134.038</b>	Shea, N. , University of Notre Dame	Nicole.M.Shea.55@nd.edu	105.020
Schulte-Rüther, M. , University Hospital Aachen	mschulte@ukaachen.de	<b>110.089</b>	Sheikh, A. , New York State Institute for Basic Research in Developmental Disabilities	Ashsheikh@aol.com	104.007, 110.004, <b>110.005</b>
Schultz, R. , PhD, Children's Hospital of Philadelphia	schultzrt@chop.edu	105.149, 116.019, 116.068, 116.160, 125.003, 125.004, 128.017, 128.018, 128.036, 128.088, 128.139, 128.158, 134.093, 136.006	Sheinkopf, S. J. , The Warren Alpert Medical School of Brown University	Stephen_Sheinkopf@brown.edu	110.147
Schultz, T. , M.Ed., University of Missouri	trs4g2@mizzou.edu	137.005	Shen, M. , UC Davis M.I.N.D. Institute	shen@ucdavis.edu	116.039, 116.048, <b>116.072</b>
Schumann, C. M. , PhD, UC Davis MIND Institute	cschumann@ucdavis.edu	<b>135.002</b>	Shen-Orr, S. , Ph.D., Stanford University School of Medicine	shenorr@stanford.edu	110.009
Schumann, G. , Institute of Psychiatry	gunter.schumann@kcl.ac.uk	103.002	Shenouda, J. , M.S	Shenoujo@umdnl.edu	102.007, 110.111, <b>118.008</b>
Schupp, C. , Ph.D., University of California, Davis	cwschupp@gmail.com	133.004	Shepherd, S. , Ph.D., Princeton University	sshepher@princeton.edu	134.135
Scollin, E. , BS, PGSP-Stanford PsyD Consortium	erinscollin@stanford.edu	128.067, <b>128.089</b>	Sheridan, E. , University of Alabama at Birmingham	esher@uab.edu	<b>105.060</b>
Scott, F. , PHD, Autism Research Centre	dr.fi2@virgin.net	<b>110.140</b> , 112.001, <b>112.004</b>	Sherr, E. , UCSF	sherre@neuropeds.ucsf.edu	<b>114.008</b> , 116.055
Scott-Van Zeeland, A. , Ph.D., University of California, Los Angeles	ashleys@scripps.edu	<b>106.004</b> , 123.003, 133.008	Sheth, B. R. , University of Houston	brsheth@uh.edu	<b>116.078</b>
Scotto-Rosato, N. , NJ State Health Department	nancy.scotto-rosato@doh.state.nj.us	102.007, 110.111, 118.008	Shibley, L. , Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	lauren.boone@choa.org	<b>105.007</b>
Searcy, K. L. , CRIMSON Center	KARYNLS2@aol.com	105.100	Shic, F. , Ph.D., Yale University School of Medicine	frederick.shic@yale.edu	109.003, 110.196, 128.005, 128.150, 134.105, <b>134.106</b>
Sears, L. , Ph.D., Associate, Professor, University of Louisville	lonnie.sears@louisville.edu	<b>105.095</b> , 110.002, 110.060, 110.076, 110.079, 134.017	Shiffar, M. , PhD, Rutgers University	mag@psychology.rutgers.edu	110.162, 110.176, 116.016, 134.143
Seery, A.	amseery@bu.edu	<b>134.096</b>	Shifman, S. , The Hebrew University of Jerusalem	sagiv@vms.huji.ac.il	<b>124.004</b>
Segal, A. , BS, University of Pennsylvania	asegal@nursing.upenn.edu	116.114	Shih, P. , Brain Development Imaging Laboratory, San Diego State University	pattishih@gmail.com	116.040, 116.052
Seib, H. , Yale University	heidi.seib@yale.edu	110.165, 116.026, 116.049, 116.066	Shillingsburg, M. , Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	alice.shillingsburg@choa.org	105.006, 105.007, 105.012, 105.014, 105.018, 105.019, 105.024, 105.026, 105.032, 105.033, 105.076, 105.096, 105.120, <b>105.122</b> , 105.124
Seidel, L. , University of Arkansas for Medical Sciences	seidelklisa@uams.edu	110.013, 110.020	Shilo, H.	hilashil@gmail.com	<b>105.061</b>
Seidman, I. , The Hebrew University	ifat.gamliel@mail.huji.ac.il	128.065, 128.078	Shimojo, S. , Caltech	sshimojo@caltech.edu	134.074
Seijo, R. M. , MD, Albert Einstein College of Medicine	zemog19@aol.com	105.129, 116.121, 128.040	Shin, S. , District of Columbia Department of Education	sujie.shin@dc.gov	102.004, 105.009, 105.123
Seiple, D. , Temple University	dast23@gmail.com	105.071	Shinnar, S. , Albert Einstein College of Medicine	sshinnar@aol.com	105.129
Seltzer, M. M. , Waisman Center, University of Wisconsin-Madison	mseltzer@waisman.wisc.edu	<b>107.005</b> , 112.001, <b>112.003</b> , 116.134, 128.069, 128.181	Shinwari, J. M. , King Faisal Specialist Hospital and Research Center	jshinwari@kfsshr.edu.sa	<b>110.055</b>
Semansky, R. , Ph.D., M.P.P., University of Pennsylvania School of Medicine	semansky@mail.med.upenn.edu	<b>116.096</b>	Shirinyan, D. , PhD, UCLA, Center for Autism Research and Treatment	dshiriny@ucla.edu	103.001, 116.013, <b>116.014</b> , 123.003, 133.008
Senju, A. , Centre for Brain and Cognitive Development, Birkbeck	a.senju@bbk.ac.uk	134.124, 138.003	Shoham, D. , Bar – Ilan University	shoham@mail.biu.ac.il	134.079
Serlin, G.	gserlin@hunter.cuny.edu	<b>110.186</b> , 128.153	Shore, S. , Ed.D., Adelphi University	sshore@adelphi.edu	<b>105.045</b>
Seymour, B. E.	bailey.seymour@ucdmc.ucdavis.edu	110.161, 116.149	Short, M. , Flinders University	michelle.short@flinders.edu.au	128.192
Shafer, V. , Ph.D., College of the City of New York	val.shafer@gmail.com	101.001	Shouldice, M. , MD, Hospital for Sick Children	michelle.shouldice@sickkids.ca	134.020
Shafieullah, I. , Shafallah Centre for Children with Special Needs	faraz3@yahoo.com	110.116, 116.097	Shprintzen, R. , SUNY Upstate Medical University	SHPRINTR@upstate.edu	114.006
Shamir, H. , Ph.D., Waterford Institute	hayashamir@waterford.org	105.066			
Shamon, M. , University of Windsor	shamonm@uwindsor.ca	128.077			
Sharber, C. , Children's National Medical Center	sharberj@yahoo.com	105.078			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Shrestha, S., BS, University of Illinois - Chicago	sshrestha@psych.uic.edu	116.057	Skuse, D. H., Institute of Child Health	dkskuse@ich.ucl.ac.uk	110.192, 128.043, 134.102
Shrestha, S., B.A., University of Illinois at Chicago	sshrestha@psych.uic.edu	134.058	Slason, E., University of Colorado Denver, Anschutz Medical Campus	erin.slason@gmail.com	116.027
Shukla, D. K., San Diego State University	dshukla@sciences.sdsu.edu	116.054, 133.001, 136.002	Slater, C., M.Ed., Children's Hospital Boston	chelsea.slater@childrens.harvard.edu	105.147
Shulman, L., MD, Albert Einstein College of Medicine	lisa.shulman@einstein.yu.edu	105.129, 116.121, 128.040, 128.129	Sliwkanich, E.	esliwkanich@gmail.com	116.131, 128.161
Shultz, S., Yale University	sarah.shultz@yale.edu	110.171, 136.005	Sloutsky, V., The Ohio State University	sloutsky.1@osu.edu	110.066
Shumway, S., Ph.D., National Institutes of Health - National Institute of Mental Health	shumways@mail.nih.gov	128.015, 128.137	Slusarczyk, M., York University	maggieslusarczyk@hotmail.com	134.075
Siburian, R., Psychiatric and Neurodevelopmental Genetic Unit, Center for Human Genetic Research, Massachusetts General Hospital	rsiburian@pngu.mgh.harvard.edu	110.051	Smith, A., King's College London, Institute of Psychiatry	anna.smith@kcl.ac.uk	133.007
Sicca, F., Stella Maris Scientific Institute	fsicca@inpe.unipi.it	110.080	Smith, A., PhD, U.C. Davis	annesmith@ucdavis.edu	103.005
Sideris, J., PhD, Frank Porter Graham Institute	john.sideris@unc.edu	105.168, 128.026	Smith, C. D., M.D.	csmith@mri.uky.edu	116.077
Sidhu, N., MD, Columbia University Medical Center	ns2329@columbia.edu	107.003, 128.07	Smith, D., UCLA	schizography@gmail.com	116.140, 134.014
Siegenthaler, K., New York State Department of Health	kxf09@health.state.ny.us	102.008	Smith, E., M.A., University of Rochester	egc2@duke.edu	105.073
Sigman, M., Ph.D., University of California, Los Angeles	msigman@ucla.edu	105.036, 105.171, 128.152, 134.144, 137.003, 138.008	Smith, I., PhD, Dalhousie University/ IWK Health Centre	isabel.smith@dal.ca	109.004, 128.003, 128.004, 128.009, 128.102, 134.026, 134.080, 134.114, 138.001, 138.002
Sikes, K., University of Louisville	ksike01@louisville.edu	110.100	Smith, J., University of Leicester	J.smith@le.ac.uk	110.140
Siller, M., Ph.D., Hunter College of the City University of New York	msiller@hunter.cuny.edu	105.036, 110.186, 128.153, 137.001	Smith, K. S., California Department of Public Health	karen.smith@cdph.ca.gov	110.103, 114.003
Silton, N., Ph.D., Marymount Manhattan College	nava.silton@gmail.com	105.132	Smith, L., Centre for Child and Adolescent Mental Health	lars.smith@r-bup.no	128.147
Silva, L. M., MD, MPH	LMTSilvaqigong@comcast.net	107.004, 128.179, 128.180	Smith, L., B.A.	lsmith6@hmc.psu.edu	116.123, 128.109
Simard, M., PhD, CHUQ Research Center	marie-noelle.simard@crchuq.ulaval.ca	105.141	Smith, L., University of Wisconsin	lsmith@waisman.wisc.edu	128.138, 128.181
Simard-Meilleur, A., Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM)	andree-anne.simard-meilleur@mail.mcgill.ca	134.116	Smith, M., M.D., University of Louisville	mjsmit22@louisville.edu	110.100
Simkiss, D., Dr, University of Warwick	D.E.Simkiss@warwick.ac.uk	105.127	Smith, R., Ph.D.	smith.4051@osu.edu	124.002
Simmons, D. R., D.Phil., B.Sc. (Hons), University of Glasgow	david@psy.gla.ac.uk	134.120	Smith, S., University of Kansas	seanj@ku.edu	116.173
Simon, T., UC Davis M.I.N.D. Institute	tjsimon@ucdavis.edu	116.039, 116.048	Smith, T., Birkbeck, University of London	tj.smith@bbk.ac.uk	116.180
Simonin, J., Holo3 Inc.	simonin.jerome@gmail.com	116.166	Smith, T., University of Rochester	tristram_smith@urmc.rochester.edu	128.145
Simonoff, E., Institute of Psychiatry, KCL	Emily.Simonoff@iop.kcl.ac.uk	134.132	Smith, V., University of Alberta	veronica.smith@ualberta.ca	116.131, 128.161
Simpson, G., University of Miami	gregorysimpson@miami.edu	105.049	Smolka, M., Technische Universitaet Dresden	michael.smolka@tu-dresden.de	103.002
Singhal, Ph.D, N., Action For Autism	dr.nidhisinghal@gmail.com	110.152	Snow, A., Yale University School of Medicine	anne.snow@yale.edu	105.139, 137.002
Sininger, Y., David Geffen School of Medicine, UCLA	ysininger@mednet.ucla.edu	134.129	Snyder, A. C., The Children's Research Unit (CRU), Program in Cognitive Neuroscience, City College of New York	asnryder@gc.cuny.edu	110.077
Sinoff, A., Ph.D., CCC-SLP, BCBA-D, Cleveland Clinic Center for Autism	sinofa@ccf.org	105.013	Soghomonian, J., PhD, Boston University School of Medicine	jsogho@bu.edu	116.006
Sizoo, B., Dimence	b.sizoo@hetnet.nl	134.034	Sokhadze, E. M., Ph.D., Associate, Professor, University of Louisville	tato.sokhadze@louisville.edu	105.095, 110.060, 110.076, 110.079, 134.017
Skokauskas, N., Dr, Trinity College Dublin	N_Skokauskas@yahoo.com	105.146	Sokhadze, G., undergraduate, student, University of Louisville	g0sokh01@louisville.edu	110.079, 134.017
			Sokoloff, J. L., Children's National Medical Center	jsokolof@cnmc.org	105.078, 128.193, 134.010
			Solomon, M., PhD, Department of Psychiatry, MIND Institute, Imaging Research Center	marjorie.solomon@ucdmc.ucdavis.edu	103, 103.005, 110.161, 116.149, 119.004
			Solomon, O., Ph.D., University of Southern California	olgasolo@usc.edu	110.093



# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Solso, S., BS, University of California, San Diego	stephanie.solso@gmail.com	120.001, 120.002, 120.003	Stacey, D., Institute of Psychiatry	david.stacey@kcl.ac.uk	103.002
Someki, F., University of Minnesota	somek048@umn.edu	116.091, 116.102, 116.103, 116.104	Stadnick, N., B.S., San Diego State University/ University of California, San Diego Joint Doctoral Program in Clinical Psychology	nstadnic@ucsd.edu	116.086
Sonoyama, S., University of Tsukuba	sonoyama@human.tsukuba.ac.jp	105.029	Stahmer, A., PhD, Rady Children's Hospital, San Diego	astahmer@casrc.org	102.004, 105.002, 105.063, 105.100, 105.104, 116.128
Soorya, L., PhD, Mount Sinai School of Medicine	latha.soorya@mssm.edu	105.083, 116.017, 116.050, 116.06	Stanton, E., NIMH	eric.stanton@nih.gov	116.182
Sorondo, B. M., Florida International University	bmsorondo@gmail.com	110.163	Startin, C., UCL	c.startin@ich.ucl.ac.uk	134.102
Soto, T., M.A., University of Massachusetts, Boston	sototimothy@hotmail.com	105.177, 110.132	Stead, S., BA, St Joseph's Health Centre	sstead@hollandbloorview.ca	134.020
Souchay, C., University of Leeds	c.souchay@leeds.ac.uk	134.041, 134.044	Stefanini, S., University of Parma	silvia.stefanini@nemo.unipr.it	134.121
Souders, M. C., Ph.D. University of Pennsylvania/ The Children's Hospital of Philadelphia	souders@email.chop.edu	128.194	Stein, D., Childrens Hospital Boston	David.Stein@childrens.harvard.edu	109.00
Soulières, I., Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM)	isabelle@nmr.mgh.harvard.edu	128.056, 128.117, 134.033	Stein, L., M.A., University of Southern California	leahstein2@gmail.com	128.164
Sourander, A., University of Turku	andre.sourander@utu.fi	110.127, 110.130, 122.001, 122.002, 122.003, 122.004	Steiner, A. M., Yale University	amanda.mossman@yale.edu	137.002
South, M., Ph.D., Brigham Young University	south@byu.edu	105.066, 110.045, 110.049, 110.069, 110.086, 113.003, 134.024	Steinhoff, T., Fordham University	steinhoff@fordham.edu	102.005
Spain, D., South London and Maudsley NHS Foundation Trust	deborah.spain@slam.nhs.uk	105.170, 110.042, 116.022, 128.021	Stekelenburg, F., Dutch Autism Association (NVA)	fred.stekelenburg@autisme.nl	119.002
Sparaci, L., National Research Council of Italy (CNR)	laurasparaci@hotmail.com	134.121	Stenberg, N., National Health Institute, Norway	ninastenberg@yahoo.com	110.148
Sparapani, N., Florida State University Autism Institute	njs09@fsu.edu	128.081	Stenroos, E. S.	stenroos@umdnj.edu	114.007
Speer, L., Ph.D., Cleveland Clinic	speerl@ccf.org	105.013, 128.027	Stephens, B., MD, The Warren Alpert Medical School of Brown University	bstephens@wihri.org	110.147
Spek, A. A., Mental Health Institution Eindhoven	aa.spek@ggze.nl	105.072, 134.004, 134.005	Stephens, S., Giant Steps Preschool	sstephens@wasatch.org	113.003
Spence, S., National Institute of Mental Health	spences2@mail.nih.gov	110.043, 120.006	Stephenson, D., Pfizer	diane.t.stephenson@pfizer.com	135
Spencer, M., MA, MD, MRCPsych, Autism Research Centre, University of Cambridge	mds1003@cam.ac.uk	136.004	Steppa, S., MD, Kennedy Krieger Institute	steppa@kennedykrieger.org	105.110
Spencer, M. D., Autism Research Centre, University of Cambridge	mds1003@cam.ac.uk	116.060	Sterling, L., UCLA Semel Institute	lsterling@mednet.ucla.edu	107.008
Spendlove, S., Ph.D., University of California, San Diego, UCSD Autism Center of Excellence	sspendlove@ucsd.edu	109.007, 120.003	Stevens, A., Ph.D., University of Washington	ari7@comcast.net	128.177
Sperle, L., University of Texas	sperle.lisa@gmail.com	110.168	Stevens, M. C., Institute of Living, Hartford Hospital / Yale University	msteven@harthosp.org	128.017, 128.018, 128.088, 128.158
Spoelstra, M., Autism Ontario	marg@autismontario.com	105.089	Stevenson, M., University of Louisville	mdstev05@louisville.edu	110.100
Sponheim, E., Oslo University Hospital	eili.sponheim@uus.no	128.147	Stewart, C. R., San Diego State University	claire.stewart2@gmail.com	128.035
Spradling, J.	jansyns@hotmail.com	116.040, 133.001	Stewart, P. A., PhD, RD, University of Rochester	patricia_stewart@urmc.rochester.edu	105.107, 105.111, 110.007
Sproat, R., BioSpeech inc.	rws@xoba.com	128.084	Stewart, S., Saint Louis University	sstewa21@slu.edu	110.145
Srinivasan, S., MSPT, University of Connecticut	sudha8383@gmail.com	105.074	Steyaert, J., Dept. Child Psychiatry, University of Leuven and Dept. Clinical Genetics, University of Maastricht, The Netherlands	jean.steyaert@med.kuleuven.be	109.005, 114.002
Ssebeyla, K., Tumaini Child Health Project	kssebyala@yahoo.com	110.103	Stichter, J., Ph.D., University of Missouri	stichterj@missouri.edu	105.067, 105.134, 110.094, 137.005
St. John, T., University of Washington Autism Center	tstjohn@u.washington.edu	134.064	Stieglitz Ham, H., PhD, University of Edinburgh	heidi.ham@ed.ac.uk	128.135
			Stigler, K., Indiana University School of Medicine	kstigler@iupui.edu	113.001
			Stirling, L., PhD	lesleyfs@unimelb.edu.au	128.128
			Stockman, M., National Institute of Mental Health	michael.stockman2@mail.nih.gov	120.006
			Stoddart, R., Ph.D., Saint Mary's College	stoddart@saintmarys.edu	128.149

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Stokes, Ph.D, M. A. , Deakin University	mark.stokes@deakin.edu.au	110.088, 116.075, 119.008, 134.052	Surdyka, K. L. , Vanderbilt Medical Center	Kyla.L.Surdyka@vanderbilt.edu	105.126, 137.006
Stolte, M. , Centre for Autism Services Alberta	mstolte@centreforautism.ab.ca	105.038	Suren, P. , Norwegian Institute of Public Health	pal.suren@fhi.no	110.148, 122.001, 122.002, 122.003, 122.004
Stoltenberg, C. , Norwegian Institute of Public Health	camilla.stoltenberg@fhi.no	110.148, 122.001, 122.002, 122.003, 122.004	Susca, C. , University of Connecticut	carolyn.susca@uconn.edu	105.075
Stone, D. , M.Ed., Kennedy Krieger Institute	stoned@kennedykrieger.org	105.110	Susser, E. , Columbia University	ess8@columbia.edu	110.148, 122.001, 122.002, 122.003, 122.004
Stone, W. , Ph.D., University of Washington	stonew@uw.edu	105.027, 116.124, 116.179, 128.010, 128.156, 134.082, 134.123	Suzuki, K. , Psychiatry	katsuaki-suzuki@ams.odn.ne.jp	116.037
Stoner, R. , PhD, Neurosciences and UCSD Autism Center of Excellence	stonerri@gmail.com	116.002, 120.003, 124.006, 128.053, 128.054	Swaab, H. , Leiden University	HSwaab@fsw.leidenuniv.nl	116.093
Stothers, M.	mstothe2@uwo.ca	110.197	Swann, D.	darswann@att.net	110.145
Stoutjesdijk, R.	rstoutjesdijk@fsw.leidenuniv.nl	116.093	Swanson, A. , Vanderbilt University	amy.r.swanson@vanderbilt.edu	116.124, 116.179
Strang, J. F. , PsyD, Children's National Medical Center	jstrang@cnmc.org	128.193, 134.010	Swanson, K. , University of North Dakota	Kristine.swanson@und.edu	134.055
Strapps, K. , Dalhousie University	kt300739@dal.ca	110.175	Swanson, M. , Graduate Center at the City University of New York	mswanson@gc.cuny.edu	110.186, 128.153
Strauss, K. , Fondazione Handicap Dopodinoi-Onlus	kristin.strauss@unabreccianelmuro.it	105.037, 105.039	Swanson, S. , PhD, Medical College of Wisconsin	sswanson@mcw.edu	128.135
Strauss, M. S. , Ph.D., University of Pittsburg	strauss@pitt.edu	116.077, 134.037, 134.090, 134.092, 134.104	Swartzwelder, D. , Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	dana.swartzwelder@choa.org	116.111
Striano, T. , Department of Psychology, Hunter College	tstriano@hunter.cuny.edu	128.115, 128.151	Swedo, S. , National Institute of Mental Health	swedos@mail.nih.gov	120.006
Stroganova, T. , Dr., Psychological Institute of Russian Academy of Education	stroganova56@mail.ru	110.075	Sweeney, J. , University of Illinois at Chicago	jsweeney@psych.uic.edu	110.030, 110.064, 116.057, 134.058
Stronach, S. , Florida State University Autism Institute	sheri.stronach@gmail.com	128.082	Swettenham, J. , Dr, University College London	j.swettenham@ucl.ac.uk	134.130, 134.132
Studnik, S. , Imperial College Healthcare NHS Trust	sstudnik@nhs.net	105.127	Swineford, L. B. , FSU Autism Institute	laurie.swineford@med.fsu.edu	128.001, 128.163
Styner, M. , UNC	styner@cs.unc.edu	125.003	Switala, A. E. , University of Louisville	andy.switala@louisville.edu	116.034
Subramanian, S. , UC Davis M.I.N.D. Institute	shriiyer@gmail.com	116.039	Szatmar, P. , MD, Offord Centre for Child Studies, McMaster University	szatmar@mcmaster.ca	101.002, 105.137, 109.004, 110.006, 128.003, 128.004, 128.009, 128.029, 128.102, 134.026, 134.080, 134.114, 138.001, 138.002
Suckling, J. , Brain Mapping Unit, University of Cambridge	js369@cam.ac.uk	133.002, 136.004	Szymanski, C. , Ph.D., University of Rochester Medical Center	c10szymanski@gmail.com	107.002
Sucksmith, E. , BSc. (Biology, University of Wales) MSc. (Anthropology, University of Oxford), Open University	es504@medschl.cam.ac.uk	134.013	<b>T</b>		
Suda, S. , Hamamatsu University School of Medicine	sudash@hama-med.ac.jp	116.03	Tager-Flusberg, H. , Boston University	htagerf@bu.edu	110.170, 115.003, 128.094, 128.133, 134.021, 134.047, 134.096, 134.098
Sugihara, G. , Hamamatsu University School of Medicine	genichi-psyc@umin.ac.jp	116.037	Tahir, M. , University of Windsor	munazza.tahir@gmail.com	105.010
Sugiyama, T. , Hamamatsu University School of Medicine	toshirou_sugiyama@ mx.achmc.pref.aichi.jp	116.037, 116.041	Tai, K. , Hospital Authority	cmgfung@hku.hk	116.036
Sugrue, D. , BA, Yale Child Study Center	daniel.sugrue@yale.edu	103.007, 110.165, 116.042, 128.052, 134.143	Takahashi, T. N. , Thompson Center for Autism and Neurodevelopmental Disorders	takahashin@missouri.edu	110.074, 128.048
Suh, J. , University of Connecticut	jsuh05@gmail.com	128.017, 128.088	Takebayashi, K. , Hamamatsu University School of Medicine	kiyokazu@hama-med.ac.jp	116.037
Suhrheinrich, J. , PhD, University of California, San Diego	jsuhrhei@ucsd.edu	105.063	Takei, N. , Hamamatsu University School of Medicine	ntakei@hama-med.ac.jp	116.037
Sukhodolsky, D.	denis.sukhodolsky@yale.edu	105.050	Talcott, W. , Harvard University	wtalcott@fas.harvard.edu	134.096
Sullivan, J. C.	jcs69@cam.ac.uk	116.010	Talebizadeh, Z. , Children's Mercy Hospital and University of Missouri-Kansas City	ztalebi@cmh.edu	124.007
Sullivan, K.	kstamper@u.washington.edu	109.001, 110.072, 128.023			
Summanen, P. , VAMC WLA	carlsonph@aol.com	110.137			
Sumner, A. , MD, Vermont Department of Health	asumner@vdh.state.vt.us	131.002			
Sun, C. , Harbin Medical University	suncaihong2003@163.com	116.092, 116.098			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Talley, M. , MS, Kennedy Krieger Institute	talleyymi@kennedykrieger.org	134.112, 134.145	Tetenbaum, S. , ASPIRE Center for Learning and Development	spulver@gmail.com	105.133, 134.012
Tam, C. , Children's Hospital Boston	celia.tam@childrens.harvard.edu	128.051	Tewhey, R. , Scripps Genomic Medicine	rtewhey@ucsd.edu	110.052
Tamanaha, A. C.	anacarina.otor@unifesp.epm.br	105.022	The BASIS Team, .., BASIS	basis@bbk.ac.uk	115.004, 128.042, 128.111
Tamirisa, N. , SSM Cardinal Glennon Children's Hospital	nirups9@gmail.com	110.145	The BASIS Team*, BASIS	basis@bbk.ac.uk	138.003
Tancredi, R. , University of Pisa – Stella Maris Scientific Institute	raffaella.tancredi@inpe.unipi.it	119.005, 128.110	Theilmann, R. J. , University of California, San Diego	rtheilmann@ucsd.edu	120.003
Tang, C. , Kwai Chung Hospital	cmgfung@hku.hk	116.036	Theoharides, T. , MD PhD, Tufts University	Theoharis.Theoharides@tufts.edu	110.035
Tang, K. , B.S., University of Notre Dame	ktang@nd.edu	105.020	The PACT Consortium, University of Manchester	t.charman@ioe.ac.uk	105.109
Tani, I. , Ph.D., Hamamatsu University School of Medicine	iorit@nifty.com	116.091, 116.102, 116.103, 116.104	Thiemann-Bourque, K. , PhD	thiemann@ku.edu	108.005
Taras, H. , M.D., University of California, San Diego	htaras@ucsd.edu	116.081	Thomas, B. , St. Mary's College	bthomas@saintmarys.edu	105.020, 128.149
Tarbox, J. , Ph.D., Center for Autism and Related Disorders	j.tarbox@centerforautism.com	116.168	Thomas, J. , Rutgers University	jpthomas@psychology.rutgers.edu	110.162
Tarshis, N. , Albert Einstein College of Medicine	nancy.tarshis@einstein.yu.edu	128.040, 128.129	Thomas, K. , PhD, University of Cape Town	Kevin.Thomas@uct.ac.za	110.010, 134.057, 134.139
Tartaro, A.	tartaro@union.edu	116.146	Thompson, A. , Offord Centre for Child Studies, McMaster University	athomps@mcmaster.ca	105.137, 128.003, 128.029, 128.102, 134.080
Tashiro, Y. , Mie University	ytashiro@doc.medic.mie-u.ac.jp	110.023	Thompson, D. UC Davis	dfthompson@ucdavis.edu	105.025
Tassone, F. , PhD, University of California Davis School of Medicine	ftassone@ucdavis.edu	110.133, 116.035	Thompson, M. , M.A., Boston University	mrt@bu.edu	109.002, 110.170
Tatarov, L. , NIH Centers for Information Technology	Lyudmila.Tatarov@nih.gov	110.039	Thompson, M. , Nebo School District	michele.thompson@nebo.edu	113.003
Tattersall, A. , University of Washington	sjwebb@u.washington.edu	115.002	Thompson, S. E. BA, PGSP-Stanford PsyD Consortium	sierrat@stanford.edu	128.067, 128.089
Tauqeer, Z. , New York State Institute for Basic Research in Developmental Disabilities	zujajatauqeer@hotmail.com	110.005	Thompson, W. , Ph.D., University of California San Diego	wes.stat@gmail.com	109.007, 120.003
Tavassoli, T. , Autism Research Centre, University of Cambridge	tt303@cam.ac.uk	134.016	Thorsen, K. , M.A., University of California, Irvine	kthorsen@uci.edu	110.150
Taylor, J. M. , Children's Hospital of Philadelphia	taylorjm@email.chop.edu	116.019, 116.068, 136.006	Thurm, A. , National Institute of Mental Health	thurma@mail.nih.gov	120.006, 128.015, 128.137
Taylor, J. L. , Ph.D., Vanderbilt Kennedy Center	julie.l.taylor@vanderbilt.edu	110.096, 134.036	Thyreau, B. ,CEA	benjamin.thyreau@cea.fr	103.002
Taylor, K. , Virginia Commonwealth University	ktaylor5@vcu.edu	110.045, 134.024	Tian, Y. ,UCLA	ytianidyll@ucla.edu	124.003
Taylor, M. J. , Hospital for Sick Children	margot.taylor@sickkids.ca	110.179, 116.017, 116.050	Tiede, A. , University of Windsor	tiede@uwindsor.ca	116.116
Taylor, S. , UC Davis School of Medicine Clinical and Translational Science Center	sandra.taylor@ucdmc.ucdavis.edu	119.004	Tierney, K.	karnezih@tcd.ie	105.051, 105.052
Taylor-Whiffen, E. , Anglia Ruskin University	etw@taylor-whiffen.orangehome.co.uk	105.094	Tilson, L. , Vanderbilt University	loren.m.tilson@Vanderbilt.Edu	128.185
Teale, P. , M.S.E.E., University of Colorado Denver, Anschutz Medical Campus	peter.teale@ucdenver.edu	116.071	Tint, A.	amitint@yorku.ca	116.089
Teitelbaum, S.	sarah.teitelbaum@mssm.edu	105.083	Tipton, L. A. , University of California, Riverside	ltipt001@ucr.edu	128.098
Teixeira, M. C.	cris@teixeira.org	110.120, 110.153	Tirouvanziam, R. , Stanford University School of Medicine	tirouvan@stanford.edu	108.008, 110.008
Tek, S. , Kennedy Krieger Institute for Autism and Related Disorders	tek@kennedykrieger.org	116.113, 128.096	Tirrell, J. , Yale Child Study Center	jonathan.tirrell@yale.edu	128.059
Tentori, M.	mtentori@uabc.edu.mx	116.147	Titeca, D. , Ghent University	Daisy.Titeca@UGent.be	105.145
Teraiya, J. , Massachusetts General Hospital	teraiya@pngu.mgh.harvard.edu	116.154	Tiwana, J.	jasleen@u.washington.edu	110.062, 134.045
Tessier, S. , University du Quebec a Montreal	tessiersophie@yahoo.ca	128.195, 134.110	Todd, J. T. , Florida International University	james.todd@fiu.edu	134.006
			Todd, T. , California State University	tatodd@csuchico.edu	128.104
			Todokoro, A. , University of Tokyo	aya-todo@umin.ac.jp	105.056
			Togher, L. , The University of Sydney	leanne.togher@sydney.edu.au	116.101
			Toichi, M. , Kyoto University	toichi@hs.med.kyoto-u.ac.jp	134.077
			Tojo, Y. , Ibaraki University	tojo@mx.ibaraki.ac.jp	134.124

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Tok, P. , Victoria University of Wellington	penny.tok@vuw.ac.nz	110.167	Tsiartas, A. , University of Southern California Signal Analysis and Interpretation Laboratory (SAIL),	tsiartas@usc.edu	116.163
Tolouei, A. , Diagnosis and Prevention Center, Special Education Organization	alatoloi@yahoo.com	110.051	Tsodyks, M. , PhD, The Weizmann Institute of Science	misha@weizmann.ac.il	110.001
Tong, J. , VAMC WLA	ttjj1977@ucla.edu	110.137	Tsuang, M. , University of California, San Diego	mtsuang@ucsd.edu	124.005
Tonge, B. , Monash University	bruce.tonge@monash.edu	110.063	Tsuchiya, K. J. , Hamamatsu University School of Medicine	tsuchiya@hama-med.ac.jp	126.002
Tongiorgi, E. , Ph.D., University of Trieste	tongi@units.it	110.006	Tsui, L. , M.A.	ltsui@uw.edu	105.173
Topol, E. , Scripps Genomic Medicine	etopol@scripps.edu	110.052	Tsuji, M. , Chukyo University	tsujii@as-japan.jp	116.037, 116.091, 116.102, 116.103, 116.104
Torigoe, T.	ttorigoe@agre.org	114.003	Tu, Y. , Taipei Municipal University of Education	zoeyct@gmail.com	105.058
Torres, A.	adtorres@stanford.edu	114.003	Tuchman, R. , Dan Marino Autism Center	roberto.tuchman@gmail.com	105.172
Torres, E. , PhD, Rutgers University	ebtorres@rci.rutgers.edu	134.137, 134.141	Tucker, L. A. , Birkbeck, University of London	l.tucker@bbk.ac.uk	128.042
Tosetti, M. , Magnetic Resonance Laboratory, Division of Child Neurology and Psychiatry University of Pisa; Stella Maris Scientific Institute, Pisa, Italy	m.tosetti@inpe.unipi.it	119.005	Tucker, R. , BA, Women and Infants Hospital	rtucker@wihri.org	110.147
Toth-Cohen, S.	susan.loth-cohen@jefferson.edu	116.174	Tuduscic, O. , MD, PhD, Caltech	oana@hss.caltech.edu	110.081, 134.107
Tower, M. , Mount Saint Vincent University	meghan.lower@msvu.ca	134.070	Turner-Brown, L. , Ph.D., University of North Carolina	lauren_turner@med.unc.edu	108.001, 137.001
Townsend, J. , University of California, San Diego	jtowndsend@ucsd.edu	116.052, 128.063, 133.001	Tutkunkardas, D. , Istanbul University, Istanbul School of Medicine	deniztutkun@gmail.com	105.159
Trachtenberg, J. , Ph.D., UCLA	joshua.trachtenberg@gmail.com	106.002	Tyler-Smith, C. , The Wellcome Trust Sanger Institute	cts@sanger.ac.uk	110.058
Travers, B. G. , University of Alabama	bgtravers@crimson.ua.edu	134.067	Tyson, K. E. , University of Connecticut	katherine.tyson@uconn.edu	128.017, 128.018, 128.088, 128.103, 128.158
Travolta, R. , Psychiatric and Neurodevelopmental Genetics Unit, Center for Human Genetic Research, Massachusetts General Hospital	rtravolta@pngu.mgh.harvard.edu	109.006	Tyszka, J. M. , California Institute of Technology	jmt@caltech.edu	116.069
Treadwell-Deering, D. , Texas Children's Hospital, Baylor College of Medicine	dianet@bcm.tmc.edu	105.115	<b>U</b>		
Tregay, J. , UCL Institute of Child Health	jet208@exeter.ac.uk	134.132	Uchiyama, T. , Fukushima University	tokiouch@ca2.so-net.ne.jp	119.007
Tregellas, J. R. , University of Colorado Denver, Anschutz Medical Campus	jason.tregellas@ucdenver.edu	116.027, 116.061	Uhland, K. , University of Notre Dame	kuhland@nd.edu	105.020
Treiber, J. , San Diego State University	jeff.treiber@gmail.com	116.054	Ulvund, S. E. , University of Oslo	s.e.ulvund@ped.uio.no	105.030
Treiber, J. , San Diego State University	jeff.treiber@gmail.com	133.001, 136.002	Uono, S. , Kyoto University	shota-uono@p06.mbox.media.kyoto-u.ac.jp	134.077
Trembath, D. , PhD, Olga Tennison Autism Research Centre, La Trobe University	D.Trembath@latrobe.edu.au	116.101	Uppal, N. , Mount Sinai School of Medicine	neha.uppal@mssm.edu	110.022
Trevathan, E. , MD, St. Louis University	etrevath@slu.edu	110.103	Urgesi, C. , Psychologist, Faculty of Educational Sciences	cosimo.urgesi@uniud.it	128.110
Trosclair-Lasserre, N. , LSUHSC Human Development Center	nicole.lasserre@la.gov	105.096	Urraca, N.	nurraca@uthsc.edu	110.046
Troyb, E. , University of Connecticut	eva.troyb@uconn.edu	128.017, 128.018, 128.088, 128.103, 128.158	Uslu, R. , Ankara University	Runa.Uslu@medicine.ankara.edu.tr	105.151
Trubanova, A.	andrea.trubanova@gmail.com	128.176, 134.140	Usui, S. , The University of Tokyo	c090514@mail.ecc.u-tokyo.ac.jp	134.124
Trusty, T. , University of Arkansas for Medical Sciences	tatrusty@uams.edu	110.020	Vaillancourt, D. , PhD, University of Illinois - Chicago	court1@uic.edu	116.057
Tsang, K. , Chinese University of Hong Kong	kitman1214@gmail.com	110.027	<b>V</b>		
Tsatsanis, K. D. , PhD, Yale Child Study Center	katherine.tsatsanis@yale.edu	128.059, 134.018	Vaillancourt, T. , PhD, University of Ottawa	tracy.vaillancourt@uottawa.ca	105.137, 109.004, 128.003, 128.004, 128.102, 134.080, 134.114, 138.001
Tsetlin, M. , Moscow State University of Psychology and Education	markevichm@mail.ru	110.075	Valdez, M.	valdez.matt@gmail.com	110.032
			Valdois, S. , Dr., Ph.D., Université Pierre Mendès France	Sylviane.Valdois@upmf-grenoble.fr	134.122

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Valentino, A., Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	amber.valentino@choa.org	105.006, 105.012, 105.024, 105.032, 105.033, 105.076, 105.101	Vause, T., Brock University	tvause@brocku.ca	105.079
Valeri, G., MD, PhD, IRCCS Ospedale Bambino Gesù	giovanni.valeri@opbg.net	105.003, 105.037, 105.039, 105.160	Vazquez-Correa, M., M.D., University of Puerto Rico Medical Sciences Campus	mariselvcc@yahoo.com	110.057
Valerian, J., Johann Wolfgang Goethe-University	Valerian@em.uni-frankfurt.de	105.023	Veatch, O., MS, Vanderbilt University	olivia.j.veatch@vanderbilt.edu	110.053
Valicenti-McDermott, M. D., MD, MS, Albert Einstein College of Medicine	rvalicenti@hotmail.com	105.129, 116.121	Veenstra, A., MA, Children's Hospital of Michigan	mbehen@pet.wayne.edu	105.178, 128.046, 128.090, 128.092
Vallinger, M., Cleveland Clinic Center for Autism	vallinmk@mountunion.edu	105.013	Veenstra-VanderWeele, J., Monroe Carell Children's Hospital at Vanderbilt University	j.vvw@vanderbilt.edu	110.044
van Berckelaer-Onnes, I. A., Leiden University	berck@fsw.leidenuniv.nl	105.041, 110.113, 128.097	Vehorn, A., Vanderbilt University	alison.vehorn@vanderbilt.edu	128.033
Vanderbilt-Adriance, E., PhD, Seattle Children's Hospital and Research Institute	ella.vanderbilt-adriance@seattlechildrens.org	110.106	Velasquez, F., San Diego State University	fvelasquez17@gmail.com	128.035
van der Fluit, F., University of Wisconsin, Milwaukee	vanderf2@uwm.edu	128.121	Velazquez, V., M.D., St. Luke's Memorial Hospital	vvalmodovar@yahoo.com	110.057
Van der Paelt, S.	sara.vanderpaelt@ugent.be	128.064	Venema, K. M., University of Washington	kmv4@u.washington.edu	110.083, 134.031
van der Reijken, A., Centrum Autisme Leiden	avanderreijken@orange.nl	110.113	Venker, C., University of Wisconsin-Madison	cgerickson@wisc.edu	128.127
van der Sluis, S., VU University	sophie.van.der.sluis@cncr.vu.nl	110.034	Ventola, P., PhD, Yale Child Study Center	pamela.ventola@yale.edu	128.059, 134.018
vander Wyk, B., Yale Child Study Center	brent.vanderwyk@yale.edu	116.066	Venturi, M., AGRABAH Parent Association for Parents	marta.lilith@libero.it	105.064
Vander Wyk, B. C., PhD, Yale University	brent.vanderwyk@yale.edu	116.018, 116.025, 116.026, 116.049	Verma, R., University of Pennsylvania	Ragini.Verma@gmail.com	116.076
Van de Water, J., University of California, Davis	javandewater@ucdavis.edu	104.006, 110.018, 128.166	Verpoorten, R., Koninklijke Kentalis	r.verpoorten@kentalis.nl	105.041
van Ham, N., GGZ Eindhoven	NC.van.ham@ggze.nl	105.072	Vicari, S., Ospedale pediatrico Bambino Gesù	vicari@opbg.net	105.003, 105.037, 105.039, 105.160, 134.121
Van Hecke, A. V.	amy.vanhecke@marquette.edu	105.070	Victorinova, M., Yale Child Study Center	michaela.victorinova@yale.edu	110.070
VanHooydonk, E., OTR, Children's Specialized Hospital	EVanHoo@childrens-specialized.org	105.090	Vieccoli, M. A., York University	mvieccoli@yorku.ca	128.141
Van Huffel, S., K.U.Leuven	sabine.vanhuffel@esat.kuleuven.be	109.005	Viktorinova, M., Yale Child Study Center	michaela.viktorinova@yale.edu	110.084
Van Leeuwen, K., Parenting and Special Education Research Group, Katholieke Universiteit Leuven	karla.vanleeuwen@ped.kuleuven.be	110.173	Villalobos, M., PhD, Yale Child Study Center	michele.villalobos@yale.edu	110.117, 128.085
Van Naarden Braun, K., Ph.D., Centers for Disease Control and Prevention	kbn5@cdc.gov	118.003	Villano, M., Ph.D., University of Notre Dame	Michael.A.Villano.4@nd.edu	105.020
Vannasing, P., Centre de Recherche en Neuropsychologie et cognition de l'Université de Montréal (CERNEC)	p.vannasing@umontreal.ca	115.006	Villarreal-Valdes, G., MD, Hospital Psiquiatrico Infantil	tdah.autismo@gmail.com	105.164, 128.122
van Santen, J., Oregon Health & Science University	vansanten@cslu.ogi.edu	128.084, 128.086	Vinkhuyzen, A., Queensland Institute of Medical Research	Anna.Vinkhuyzen@qimr.edu.au	110.034
van Steensel, F., University of Amsterdam	f.j.a.vansteensel@uva.nl	105.048	Vires, C., Cleveland Clinic	virescj@mountunion.edu	105.013
van Tassel, S., Brigham Young University	sarah.vantassell@gmail.com	110.045, 134.024	Vismara, L. A., University of California at Davis MIND Institute	laurie.vismara@ucdmc.ucdavis.edu	137.004
Vanvuchelen, M., Ph.D., Katholieke Universiteit Leuven - PHL-University College, Belgium	Marleen.Vanvuchelen@faber.kuleuven.be	105.131	Vivanti, G., The M.I.N.D. Institute, University of California at Davis Medical Center	G.Vivanti@latrobe.edu.au	116.023, 134.083
van Wijhe, J., VU University	J.van.Wijhe@psy.vu.nl	134.062	Vladusich, T., PhD, Brandeis University	thevlad@brandeis.edu	134.047
Varley, J.	jvarley@u.washington.edu	128.023	Voccola, D., Prometheus Research, LLC	david@prometheusresearch.com	110.037, 116.118, 116.165
Vasa, R. A., Kennedy Krieger Institute	vasa@kennedykrieger.org	105.115, 105.152, 107.007	Vogel, E., University of Oregon	vogel@uoregon.edu	134.027
Vasquez, J., Florida International University	janetvas@yahoo.com	110.163, 134.006	Vogel, J., California State University Northridge	james.vogel.319@my.csun.edu	105.059
Vaurio, R., PhD, Kennedy Krieger Institute	vaurio@kennedykrieger.org	128.191	Vogel-Farley, V., Children's Hospital Boston	Vanessa.Vogel@childrens.harvard.edu	115.003, 134.021, 134.096
			Vohr, B., MD, The Warren Alpert Medical School of Brown University	bvohr@wihri.org	110.147

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Voineagu, I., University of California, Los Angeles	voineagu@ucla.edu	110.047, 124.003, <b>124.008</b>	Wang, J., Harbin Medical University	wangjia2891@hotmail.com	110.058, 116.092, 116.098
Voineskos, A., MD, PhD, FRCPC, Centre for Addiction and Mental Health, University of Toronto	Aristotle_Voineskos@camh.net	116.067	Wang, J., University of Calgary	jtwang@ucalgary.ca	116.098
Volden, J., PhD, University of Alberta	Joanne.Volden@ualberta.ca	105.137, 108.002, 110.169, 128.003, 128.102, 134.080, 134.114	Wang, L., Chang Gung University	gogojump@msn.com	105.058
Volk, H., Ph.D., Children's Hospital Los Angeles	hvolk@usc.edu	<b>131.003</b>	Wang, L., Vanderbilt University	lily.wang@Vanderbilt.Edu	137.006
Volkmar, F., M.D., Yale University	fred.volkmar@yale.edu	102.005, 103.007, 116.025, 116.033, 128.052	Wang, L., M.D., UC Davis, MIND Institute	kiddoc@gmail.com	<b>110.119</b>
von Hofsten, C., Uppsala University	claes.von_hofsten@psyk.uu.se	134.073	Wang, P., Seaside Therapeutics	pwang@seasidetherapeutics.com	<b>137.008</b>
von Kriegstein, K., Dr, Max Planck Institute for Human Cognitive and Brain Sciences	kriegstein@cbs.mpg.de	134.099	Wang, S., Massachusetts General Hospital	swang@pngu.mgh.harvard.edu	<b>116.154</b>
Voos, A., BA, Yale University	avery.voos@yale.edu	103.007, 110.165, 116.025, 116.062, <b>128.052</b>	Wang, X., Harbin Medical University	lailaipooh@163.com	110.058, 116.092
Voronoy, A., Prometheus Research, LLC	alex@prometheusresearch.com	116.165	Ward, T., University of Washington	tracward@uw.edu	<b>105.165</b>
<b>W</b>			Warren, Z., Ph.D., Vanderbilt University	zachary.warren@vanderbilt.edu	110.151, <b>116.124</b> , 116.171, 116.172, 128.070, 134.036, 134.123
Wacker, D., PhD, University of Iowa Hospitals and Clinics	david-wacker@uiowa.edu	105.174, 116.175	Warreyn, P., Ghent University	petra.warreyn@ugent.be	116.024, 128.064, 128.113
Waddell, C., MD, Simon Fraser University	charlotte_waddell@sfu.ca	105.137, 128.003, 128.102, 134.080, 134.114	Watson, L., Ed.D., University of North Carolina at Chapel Hill	lwatson@med.unc.edu	105.099, 105.130, 116.087, 116.115, 132.003
Wade, B., National Institute of Mental Health	wadebs@mail.nih.gov	120.006	Watson, V., MS, Women and Infants Hospital	vwatson@wihri.org	110.147
Waggoner, A., UC Denver	amanda.waggoner@hotmail.com	128.174	Webb, S. J., Ph.D., University of Washington	sjwebb@u.washington.edu	<b>115</b> , 107.008, 110.083, <b>115.002</b> , 128.020, 134.031
Wagner, J. B., Children's Hospital Boston/ Harvard Medical School	jennifer.wagner@childrens.harvard.edu	115.003, <b>134.098</b>	Wegiel, J., New York State Institute for Basic Research in Developmental Disabilities	Jarek.wegiel@omr.state.ny.us	114.001, 116.004,
Wagner, S.	shepwagner@gmail.com	128.011	Wegiel, J., New York State Institute for Basic Research in Developmental Disabilities	j_wegiel@msn.com	<b>114.001</b> , 116.001,
Wainer, A. L., B.A., Michigan State University	waineral@msu.edu	<b>116.181</b>	Wegiel, J., New York State Institute for Basic Research in Developmental Disabilities	weigelt@mit.edu	134.060, 134.087
Waiter, G., PhD CSci, MIPeM CPhys MInstP University of Aberdeen	g.waiter@abdun.ac.uk	116.020	Weinblatt, R.	rweinbla@cnmc.org	<b>134.125</b>
Wakabayashi, A., Chiba University	akiowcam@mac.com	119.007	Weinfeld, M., University of California, San Diego, UCSD Autism Center of Excellence	mballato@ucsd.edu	109.007, 120.003
Wakahiro, M.	wakahiro@neuropeds.ucsf.edu	116.055	Weiss, J., York University	jonweiss@yorku.ca	105.081, 105.108, 116.089, 116.129
Wakuda, T., Hamamatsu University School of Medicine	wakuda@hama-med.ac.jp	116.037	Weiss, J. A., York University	jonweiss@yorku.ca	128.141, 134.138
Waldron, D., MD, MPH, University of Iowa Hospitals and Clinics	debra-waldron@uiowa.edu	105.174, 116.175	Weiss, L., UCSF Department of Psychiatry, Institute for Human Genetics	lauren.weiss@ucsf.edu	124.006
Walker, C., MD, University of California at Davis	ckwalker@ucdavis.edu	110.125, <b>110.129</b> , 131.001, 131.007	Weiss, M., Fairfield University	mweiss@fairfield.edu	<b>128.074</b>
Walker, S. J., Wake Forest Institute for Regenerative Medicine	swalker@wfubmc.edu	<b>128.186</b>	Wells, K., York University	kwells@yorku.ca	128.148
Wallace, G.	gwallac1@gmail.com	<b>116.031</b> , 128.193, 134.010, 134.125	Wells, T., Brown University	tony_wells@brown.edu	110.168
Wallace, L., M.S., CCC-SLP, Vanderbilt University	lisa.wallace@vanderbilt.edu	116.124	Wen, G. Y., New York State Institute for Basic Research in Developmental Disabilities	Guang.wen@omr.state.ny.us	110.004, 110.005
Waly, M., PhD, Sultan Qaboos University	mostafa@squ.edu.om	110.015, 110.016, <b>110.017</b> , 110.131	Wendt, J.	jcchell@cox.net	<b>110.138</b>
Wamboldt, M., The Children's Hospital / The University of Colorado at Denver and Health Sciences Center	Wamboldt.Marianne@tchden.org	105.105, 116.126	Wenegrat, J., University of Washington	jrsw@uw.edu	128.023, 128.177
Wang, A. T., Mount Sinai School of Medicine	ting.wang@mssm.edu	105.083, 116.017, 116.050, 116.067	Werling, D., The University of California, Los Angeles	donna.werling@gmail.com	110.021
Wang, C., Nankai University	chongyingwang@gmail.com	<b>134.095</b>	Werner, E., Penn State University	emilywerner@comcast.net	109.002
			Werner, M. A., Iyomount School		madler@ivyomount.org
			Westerfield, M., University of California, San Diego	mwestfield@ucsd.edu	116.052

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Westphal, A. , M.D., Yale Child Study Center	Alexander.westphal@yale.edu	116.025, 128.052	Williams, K. C. , Vanderbilt University	kent.williams@vanderbilt.edu	128.185
Wetherby, A. M. , Florida State University Autism Institute	amy.wetherby@med.fsu.edu	121.003, 128.001, 128.081, 128.082, 128.163	Williams, M. E. , PhD	mwilliams@chla.usc.edu	116.162, 116.163
Wexler, B. , University of Missouri	brwkc3@mail.mizzou.edu	128.187, 128.188	Williams, P. G. , University of Louisville	pgwill01@louisville.edu	110.002, 110.100
Wexler, D. , University of Pittsburgh	dwn15@pitt.edu	134.090	Williamson, R. , MD, UAMS, Arkansas Childrens Hospital	RWilliamson@uams.edu	128.184
Whalen, C. , PhD, BCBA-D, TeachTown	chris@teachtown.com	105.016, 105.042, 116.183	Willis, C. , Great Ormond Street Hospital for Children	claudia.willis@topenworld.com	128.043
Wheelwright, S. J. , Autism Research Centre, University of Cambridge	sjw18@cam.ac.uk	119.006	Wills, M. , Children's National Medical Center	meagancwills@gmail.com	105.078, 134.125
Whitaker, A. , M.D., Columbia University Medical Center	whitakea@childpsych.columbia.edu	116.150	wilms Floet, A. M. , M.D., Kennedy Krieger Institute	anna_maria.wilms_floet@att.net	116.137
Whitaker-Azmitia, P. , State University of New York	pwhitaker@sunysb.edu	116.001	Wilner, K. , University of Washington	kelli_wilner@comcast.net	134.031
White, B. , PhD, Virginia Polytechnic Institute and State University	whiteba@vt.edu	105.142	Wilson, E.	ellie.wilson@kcl.ac.uk	110.042, 128.021, 134.103
White, L. C. , MA, Autism & Communication Disorders Center, University of Michigan	whitelc@umich.edu	116.118	Wilson, H. R. , Biological & Computational Vision	hrwilson@yorku.ca	134.100
White, S. , PhD, University College London	s.white@ucl.ac.uk	116.045	Wilson, J. , University of California, San Diego	joanna.c.wilson@gmail.com	105.063
White, S. , PhD, Virginia Polytechnic Institute and State University	swv@vt.edu	105.142, 105.155, 105.156	Wilson, K. P. , M.S., CCC-SLP, University of North Carolina at Chapel Hill	kwilson@med.unc.edu	105.099, 116.115, 128.071
Whitehead, P. , John P Hussman Institute for Human Genomics	pwhitehead@med.miami.edu	114.005	Wilson, L. B.	lisa.wilson@ucdenver.edu	116.027, 116.071
Whitehouse, A. , University of Western Australia	whitea08@tartarus.uwa.edu.au	128.146	Wilson, P. , M.D., University of Utah School of Medicine	Phillip.Wilson@hsc.utah.edu	110.045, 110.049
Whitney, R.	whitney@kennedykrieger.org	110.115	Wimpory, D. , PhD, Bangor University	d.wimpory@bangor.ac.uk	128.049
Whitney, T. , PsyD, Intermountain Center For Autism and Child Development	twhitney@icacd.org	116.176	Wimsatt, C. , Symbionica, LLC	cwimsatt@symbionica.com	116.177
Wiemann, S. , German Cancer Research Center (DKFZ)	s.wiemann@dkfz.de	110.014	Winden, K. , University of California at Los Angeles	kwinden@ucla.edu	104.001
Wier, K. , MA, LLP, BCBA, University of Notre Dame	Kristin.G.Wier.1@nd.edu	105.020	Windham, G. , California Department of Public Health	Gayle.Windham@cdph.ca.gov	131.002, 131.006
Wiersema, J. R. , Ghent University	Roeljan.Wiersema@UGent.be	116.024, 134.048	Wing, L. , National Autistic Society	lgwing@aol.com	132, 132.002
Wiggins, L. D. , Ph.D., Centers for Disease Control and Prevention	lwiggins@cdc.gov	118.001, 118.003	Wingate, M. , DrPH, University of Alabama at Birmingham	MWingate@ms.soph.uab.edu	110.108
Wijnker-Holmes, B. , Dutch Autism Association (NVA)	Bernadette.Wijnker@autisme.nl	119.002	Wink, L.	lwink@iupui.edu	113.001
Wijsman, E. M. , University of Washington	wijsman@u.washington.edu	110.083, 128.020	Winklosky, B. , Psychiatric and Neurodevelopmental Genetics Unit, Center for Human Genetic Research, Massachusetts General Hospital	bwinklosky@chgr.mgh.harvard.edu	109.006
Wilczynski, S. , National Autism Center	swilczynski@nationalautismcenter.org	117.001	Winn, M. E. , Scripps Translational Science Institute	mewinn@ucsd.edu	124.001, 124.005, 124.006
Wilker, C. , Johann Wolfgang Goethe-University	wilker@em.uni-frankfurt.de	105.023	Winter, J. , PhD, University of Washington	jmwinter@u.washington.edu	110.183
Wilkins, A. , Professor, University of Essex	arnold@essex.ac.uk	105.094	Winter-Messiers, M. A. , University of Oregon	messiers@uoregon.edu	134.027
Wilkins, D. , PhD, Center for Human Toxicology	diana.wilkins@utah.edu	110.050	Wintrol, J. , Ivymount School	jwintrol@ivymount.org	105.078
Wilkinson, D. , University of Pittsburgh	desiree.wilkinson@gmail.com	134.037	Wisniewski, T. , New York State Institute for Basic 116.005, 116.007 Research in Developmental Disabilities	thomas.wisniewski@med.nyu.edu	114.001, 116.004,
Wilkinson, E. , LMSW, University of South Carolina	elizabeth.wilkinson@uscmed.sc.edu	116.105	Withrow, N. , MS, RD, UC Denver	Nicole.Withrow@ucdenver.edu	128.174
Will, M. J.	willm@missouri.edu	110.126	Wixom, N. , RD, University of Rochester	nellie_wixom@urmc.rochester.edu	105.111
Williams, D. M. , Durham University	david.williams@durham.ac.uk	128.146	Wodka, E. L. , Ph.D. Kennedy Krieger Institute	wodka@kennedykrieger.org	134.015
Williams, D. , Duquesne University	williamsd2139@duq.edu	116.059	Wofford, D. , Vanderbilt Medical Center	Deborah.Wofford@Vanderbilt.edu	105.126, 137.006
Williams, D. L. , Ph.D., CCC-SLP, Duquesne University	williamsd2139@duq.edu	116.009, 116.073, 116.077, 134.007	Wohlschlegel, J. , Ph.D., The University of California	jwohl@mednet.ucla.edu	104.004
Williams, J. , ErinokKids	jwilliams@erinoakkids.ca	113.005			
Williams, J. H. , MRCPsych, MSc., MD.	justin.williams@abdn.ac.uk	116.020			

# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Wojcik, D., University of Leeds	d.wojck@leeds.ac.uk	134.041, 134.044	Xu, M., The George Washington University Medical Center	miny@gwmail.gwu.edu	110.056
Wojnarowski, M., M.A., University of Alabama at Birmingham	marywoj@uab.edu	110.105, 110.146, 110.149	Xu, R., NYU	rw208@nyu.edu	116.001
Wolf, J., Yale Child Study Center	julie.wolf@yale.edu	128.059	Xue, Y., The Wellcome Trust Sanger Institute	ylx@sanger.ac.uk	110.058
Wolfe-Christensen, C., PhD, Children's Hospital of Michigan	mbehen@pet.wayne.edu	128.092	Xue, Z., The Methodist Hospital Research 116.046, 136.008 Institute, Weill Cornell Medical College	zxue@tmhs.org	116.008, 116.044,
Wolfe Christensen, C., PhD, Children's Hospital of Michigan	mbehen@pet.wayne.edu	105.178, 128.090			
Wolff, B., Ph.D., University of Colorado Denver School of Medicine	Brian.Wolff@ucdenver.edu	105.054, 105.080, 134.059			
Wolff, J., University of North Carolina	jason.wolff@cidd.unc.edu	125.002, 128.072	<b>Y</b>		
Wong, C., The University of Hong Kong	clivewong@hku.hk	116.074	Yahudah, E.	Yahudah@kennedykrieger.org	110.038
Wong, C.	cslwong123@yahoo.com	134.136	Yamamoto, J., Keio University	yamamotoj@flet.keio.ac.jp	105.117, 110.177, 110.182
Wong, O. T., UCLA	owong@mednet.ucla.edu	116.015	Yamasue, H., University of Tokyo	yamasue-ky@umin.ac.jp	105.056
Wong, P.	ptw9@cornell.edu	116.064	Yan, L., University at Buffalo	liyan@buffalo.edu	102.008
Wong, S., The Methodist Hospital Research Institute, Weill Cornell Medical College	stwong@tmhs.org	116.008, 116.044, 116.046, 136.008	Yan, Y., Robert Wood Johnson Medical School	yanya@umdnj.edu	104.003
Wong, T., SUNY Upstate Medical University	wongt@upstate.edu	124.005	Yang, K., New York State Institute for Basic Research in Developmental Disabilities	yangkunqumh@gmail.com	110.004
Wood, J. J., Ph.D., University of California, Los Angeles	jwood@gseis.ucla.edu	105.049, 105.158, 130.001	Yannay-Shani, A., Bar-Ilan University	almayannay@gmail.com	134.022
Woodburn, K., Vanderbilt University	kwoodburn19@gmail.com	134.123	Yao, G., University of Missouri	yaog@missouri.edu	110.074
Woods, C., M.D., University of Louisville	c0wood06@louisville.edu	110.100	Yates, H., Brock University	05cg@badger.ac.brocku.ca	105.079
Wootton-Gorges, S. L., University of California, Davis Medical Center and U.C. Davis Children's Hospital	sandra.gorges@ucdmc.ucdavis.edu	116.072	Yazawa, M., Stanford University		yazawa@stanford.edu
Worcester, E., M.A., UC San Diego	eworcest@ucsd.edu	105.104	Yeargin-Allsop, M., MD, National Center on Birth Defects and Developmental Disabilities	myeargin-allsop@cdc.gov	110.102
Worden, R., M.A., University of Rochester Medical Center	Richard_Worden@URMC.Rochester.edu	105.073	Yeargin-Allsopp, M., CDC	mxy1@cdc.gov	118, 118.003
Wright, H. H., University of South Carolina	harry.wright@uscmed.sc.edu	105.172, 110.053, 110.054, 114.005, 116.105	Yerys, B., Children's National Medical Center	byerys@cnmc.org	128.193, 134.059, 134.125
Wright, V., Bloorview Research Institute	vwright@hollandbloorview.ca	134.020	Yirmiya, N., PhD, Hebrew University Jerusalem	NYIRMIYA@gmail.com	116.079, 116.083, 128.065, 128.078
Wu, C. C., Kaohsiung Medical University	jinnchin@mail2000.com.tw	128.106	Yoder, K., BA, University of Chicago	kjyoder@uchicago.edu	110.090
Wu, E., University of Hong Kong	ewu@eee.hku.hk	110.026	Yoder, P., Vanderbilt University	paul.j.yoder@vanderbilt.edu	105.027
Wu, J., Yale Child Study Center	jia.wu@yale.edu	105.050, 110.070, 110.084, 115.001	Yonas, A., University of Minnesota	yonas@umn.edu	128.173
Wu, L.	wulijie_123@yahoo.com.cn	110.058, 116.092, 116.098	Yoon, J. H., Imaging Research Center	jhyoon@ucdavis.edu	119.004
Wu, M., University of Texas Houston Health Science Center	wumh20@gmail.com	116.044	York, J., R.N., MPH, Johns Hopkins School of Public Health	janet.york@myactv.net	105.167
Wu, S. Y., Taipei Municipal University of Education	joy7585@hotmail.com	105.058	Yoshida, C., Kaiser Permanente Division of Research	catleen.yoshida@kp.org	131.004, 131.006
Wu, Y., Chang Gung Memorial Hospital	wuhou@yahoo.com	105.058	Yoshida, K., B.A., New England Center for Children	kyoshida624@gmail.com	110.191
Wynshaw-Boris, A.	wynshawborist@peds.ucsf.edu	124.006	Yoshida, Y., Yokohama Psycho-Developmental Clinic	info@i-pec.jp	119.007
			Yoshihara, Y., Hamamatsu University School of Medicine	yoshi-yu@coffee.ocn.ne.jp	116.037
<b>X</b>			Yoshiyama, K., National Center for Geriatrics and Gerontology	sihho_-_kartoon@nifty.com	116.041
Xia, W., Harbin Medical University	xiawei1023@163.com	116.092, 116.098	Young, G. S., UC Davis M.I.N.D. Institute	gregorys.young@ucdmc.ucdavis.edu	109.002, 116.072, 134.083, 137.004
Xie, M., University of Pennsylvania	xiem@mail.med.upenn.edu	105.009	Young, J., University of California, San Diego, UCSD Autism Center of Excellence	julia.young87@gmail.com	120.003
Xu, D., Ph.D.	DongxinXu@lenafoundation.org	113.008, 116.152, 128.091			



# ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract	Author Name	Email Address	Abstract
Young, R. L., The Flinders University of South Australia	Robyn.Young@flinders.edu.au	105.179	Zimmerman, J., Ph.D., University of Utah	judith.zimmerman@hsc.utah.edu	110.107, 110.124
Youngpeter, K., University of Colorado Denver, Anschutz Medical Campus	katie.youngpeter@ucdenver.edu	116.071	Zimmerman-Bier, B., MD, UMDNJ, New Jersey Medical School	zimmermanbier@gmail.com	105.163
Youngstrom, E., Ph.D., Hill University of North Carolina at Chapel	eay@unc.edu	110.155, 128.027	Zou, H., New York State Institute for Basic Research in Developmental Disabilities	zouhua1981@gmail.com	110.004
Yu, G., McMaster University	yug@mcmaster.ca	110.006	Zwaigenbaum, L., MD, University of Alberta	Lonnie.Zwaigenbaum@albertahealthservices.ca	138, 105.089, 105.137, 105.166, 109.004, 116.127, 125.001, 128.003, 128.004, 128.006, 128.009, 128.102, 128.162, 134.026, 134.080, 134.114, 138.001, 138.002
Yu, K., The University of Hong Kong	kakiyu@graduate.hku.hk	116.064, 116.074	Zygmunt, K., University of Utah	kriszmz@sci.utah.edu	120.005
Yu, S., Yale University	sunkyoung.yu@yale.edu	105.128			
Yu, Y., M.S., The City University of New York	yanhyu@gmail.com	101.001			
Yu, Y., Southern Medical University	yhyu1010@hotmail.com	110.004			
Yucel, G., Duke University Medical Center	gyucel@med.unc.edu	116.043			
Yuen, K., Stanford University School of Medicine	kwyuen@stanford.edu	110.009			
<b>Z</b>					
Zablotsky, B., BA	bzablots@jhsp.edu	105.148, 105.152			
Zachor, D. A., Tel Aviv University / Assaf Harofeh Medical Center	dzachor@smile.net.il	110.135, 128.058			
Zahorodny, W., Ph.D., New Jersey Medical School	zahorodny@umdnj.edu	102.007, 110.111, 118.008			
Zaidel, E., PhD, UCLA	ezaidel@psych.ucla.edu	116.056			
Zaidman-Zait, A., Ph.D., University of British Columbia	anat.zaidman@ubc.ca	105.137			
Zandi, T.	zandi@kennedykrieger.org	110.038, 116.118			
Zandi, V.	vzandi@casrc.org	102.004			
Zaqueu, L., Livia, Mackenzie Presbyterian University	liviazaqueu@ig.com.br	110.153			
Zarevics, P., Seaside Therapeutics	pzarevics@seasidetherapeutics.com	137.008			
Zavaleta, P., MD, Instituto Nacional de Psiquiatria	zavaletarp@gmail.com	105.175			
Zavaleta-Ramirez, P., MD, Instituto Nacional de Psiquiatria Ramon de la Fuente	tdah.autismo@gmail.com	105.164			
Zavatkay, D., Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine	dana.zavatkay@choa.org	105.101			
Zayat, M., Loyola University	zayat@kennedykrieger.org	134.015			
Zayat, S., Children's Hospital of Philadelphia	salim.zayat@gmail.com	116.160			
Zebrowski, S., University of Washington	sezebrowski@gmail.com	105.092, 110.183			
Zerbo, O.	ozerbo@ucdavis.edu	131.001			
Zhang, Y., MS, Washington University School of Medicine	zhangy@psychiatry.wustl.edu	105.180, 110.154, 128.016			
Zhou, X., Harbin Medical University	snowweek@hotmail.com	110.058, 116.092, 116.098			
Zielinski, B., M. D., Ph. D., University of Utah	brandon.zielinski@hsc.utah.edu	116.030, 116.065, 136.001			
Zilbovicius, M., Research Unit U797 "Neuroimaging and Psychiatry", CEA - INSERM	mozilbo@gmail.com	128.123, 133.003			
Zimmerman, A. W., Kennedy Krieger Institute	Zimmerman@kennedykrieger.org	105.167			
Zimmerman, C., University of Pennsylvania	chelseaz@mail.med.upenn.edu	102.006, 116.100			

## IMFAR Annual Meeting – International Meeting for Autism Research

The year 2011 marks the 10th Anniversary of the International Meeting for Autism Research (IMFAR). The IMFAR Annual Meeting was convened for the first time in November 2001, to provide ASD researchers from around the world with a focused opportunity to share the rapidly moving scientific investigation of ASD.

Until that meeting, ASD researchers competed with many other groups for the opportunity to share their work at large scientific meetings that covered a wide range of topics. While other meetings provided some opportunity to share high quality ASD research, none of them focused specifically on ASD. Funding for ASD research has increased steadily, highlighted by the emergence of private foundations, such as Autism Speaks and several NIH initiatives: The Autism Centers for Excellence (ACE), which replaces earlier NIH programs – The Collaborative Programs of Excellence in Autism (CPEA) and the Studies to Advance Autism Research and Treatment (STAART) network program. Stimulating more scientific progress in understanding ASD requires dedicated yearly venue for ASD researchers to share their findings and their resources.

Scientific progress in ASD also requires the continuous development of new scientists, from many disciplines. Scientific progress in ASD is dependent upon increasing the number and expertise of scientists working in this ASD from the wide array of the biological and behavioral sciences. Given the complex biological and behavioral nature of ASD, interdisciplinary training and ongoing mentoring of new scientists and promising graduate students is necessary to recruit talented young people in ASD research. We want to provide them with the motivation and mentoring needed to focus a career on ASD and related developmental disorders. Having an annual interdisciplinary meeting focused on scientific progress in understanding and treating ASD provides an unparalleled opportunity for recognizing, supporting, and motivating talented graduate students and postdoctoral fellows into a career in ASD research.

## Objectives of the Meeting

1. The International Meeting for Autism Research (IMFAR) is an annual scientific meeting, convened each spring, to exchange and disseminate new scientific progress among ASD scientists and their trainees from around the world. The first and primary aim of the meeting is to promote exchange and dissemination of the latest scientific findings and to stimulate research progress in understanding the nature, causes, and treatments for ASD.
2. Research on ASD involves sophisticated behavioral and biological approaches. ASD affects people's functioning in virtually every domain, requiring interdisciplinary research collaboration to gain comprehensive knowledge of the disorder. A second aim of the meeting is to foster dialogue among ASD scientists across disciplines and across methods.
3. The third aim is to promote the training and development of new ASD scientists by supporting the inclusion of postdoctoral and predoctoral trainees as well as junior faculty who are already working in ASD research. The opportunity for trainees and junior faculty to interact with established ASD scientists will foster the creativity and productivity of those at all levels.
4. The fourth aim is to foster diversity among ASD scientists by encouraging attendance and supporting access to the meeting for scientists and trainees from members of traditionally underrepresented groups, including those from ethnic minority groups, and those with disabilities.

## Abstracts

Abstracts from the 2011 Annual Meeting are available on the INSAR website.

## Insurance, Liabilities

INSAR cannot be held responsible for any personal injury, loss, damage, accident to private property or additional expenses incurred as a result of delays or changes in air, rail, sea, road, or other services, strikes, sickness, weather, acts of terrorism and any other cause. All participants are encouraged to make their own arrangements for health and travel insurance.

## Exhibits

The Exhibit Hall is an integral part of the learning experience. Attendees will have an ideal opportunity to learn about the latest in pharmaceuticals, publications, scientific equipment, and technology relevant to the fields of epilepsy and neurophysiology. Please check the IMSAR website for an updated listing of exhibiting companies and organizations. To ensure safety and security, no children, strollers, carriages, wheeled luggage or wheeled briefcases will be allowed in the Exhibit Hall during exhibit hours.

Thursday, May 12 .....8:00 a.m. – 5:00 p.m.  
 Friday, May 13 .....8:00 a.m. – 5:00 p.m.  
 Saturday, May 14.....8:00 a.m. – 1:00 p.m.

## Wireless Internet

Wireless Internet access will be available in the IES and Oral Sessions Rooms from Thursday, May 12 – Saturday, May 14. Please select the IMFAR wireless network connection to log on.

## Language

The official language of the Annual Meeting is English. No simultaneous translation is available.

## Photography and Recording of Programs

INSAR strictly prohibits all photography (flash, digital, or otherwise), audio and / or videotaping during the Annual Meeting. Equipment will be confiscated. Photographs taken during this meeting by INSAR may be used in any of the Society's communications and materials in the furtherance of the organization's goals and purposes.

## Press Room

The Press Room is located on the second floor of the Manchester Grand Hyatt in Molly A. Press Room hours are:

Wednesday, May 11 .....Noon – 5:00 p.m.  
 Thursday, May 12 .....8:00 a.m. – 5:00 p.m.  
 Friday, May 13 .....8:00 a.m. – 5:00 p.m.  
 Saturday, May 14 .....8:00 a.m. – Noon

## Program Changes

INSAR cannot assume liability for any changes in the program due to external or unforeseen circumstances.

## Hotel Information and Meeting Location

Manchester Grand Hyatt  
 One Market Place  
 San Diego, California, USA 92101  
 Phone: 619.232.1234

Early Departure Policy: Guests who check out of the hotel prior to their scheduled departure date will be charged a penalty of one night's room rate and tax.

## Business Center

There is a Business Center within the Manchester Grand Hyatt and it is located on the first floor of the hotel next to the front desk. It is open from 7:00 a.m. – 7:00 p.m. each day.

## No Smoking Policy

For the comfort and health of all attendees, smoking is not permitted at any IMFAR functions. This includes educational sessions, meetings and all food functions. The Manchester Grand Hyatt is a 100% smoke-free facility.

## Information for International Travelers

Consulates and Embassies: All international embassies from other countries to the United States are located in Washington, D.C. There are a number of international embassy branch offices, called consulates, located in California. If your country does not have a consulate in California, call directory information in Washington, D.C. (phone: 202.555.1212) for the number of your national embassy.

## Gratuities

Gratuities are not automatically added to the bill, except in some cases for large groups. Waiters and waitresses are usually given 15% to 20% of the bill. Taxi drivers usually receive 15% of the fare and doormen, skycaps and porters are normally tipped \$1 per bag.

## Registration and Security

IMFAR is committed to providing a secure meeting environment. A formal security plan is in place with the Security Department at the Manchester Grand Hyatt. All meeting attendees will be required to produce government-issued photo identification prior to receiving their badge and registration materials. Appropriate badges must be worn at all times while in attendance at the meeting and are required for admittance to all meeting activities. Special security procedures are also in place for exhibition materials and all deliveries to the IMFAR meeting.

## Safety and Security Information

The Manchester Grand Hyatt emergency number is 55 and can be dialed from any house phone or guest room phone in the hotel. This connects you directly to security.

Appropriate badges will be required to enter all educational sessions, Poster Sessions, the Exhibit Hall and meetings. Due to safety and fire regulations, doors will be closed to all session rooms that fill to capacity. Throughout the meeting, you will notice a presence of security staff to monitor the safety of all participants. Do not leave unattended packages (i.e., briefcases, laptops, purses, etc.) in any area of the hotel. Please report any suspicious activity to security staff or to the IMFAR registration desk staff.

## General Safety Tips

- Remove your badge once you leave the meeting facilities
- Carry important telephone numbers with you
- Do not display or carry large amounts of cash
- Walk in groups, especially at night
- Lock your hotel room door
- Always verify hotel room repair or service calls
- Do not disclose your room number to anyone
- Never give your personal information over the phone; instead, go to the front desk if the hotel calls with questions

## Contact Information

International Society for Autism Research (INSAR)  
342 North Main Street  
West Hartford, CT 06117-2507

INSAR@autism-insar.org  
www.autism-insar.org

## Membership

Join  
INSAR!

INSAR membership is open to individuals engaged in academic or research activities (full members), graduate students and postdoctoral researchers (student members) and others (affiliate members) vested in the study of autism spectrum disorders (ASDs).

Currently, the membership benefits entail the following:

- Free abstract submission to annual IMFAR meeting
- Reduced registration fee for annual IMFAR meeting
- Eligibility to submit Invited Educational Symposia proposals for IMFAR
- Free audio files of IMFAR presentations (Keynotes, IES, etc)
- Online subscription to *Autism Research* journal
- Ability to vote and run for elected office in INSAR
- Submit job postings for the INSAR website (postings can be viewed by all visitors)
- Online membership directory
- Coming soon – Additional Member Only Web content

In order to qualify for membership, fees must be paid annually and an initial application must be submitted to the INSAR Membership Committee.

Visit the INSAR website at [www.autism-insar.org](http://www.autism-insar.org) today to complete a membership application.

# EXHIBITORS

## Aldebaran Robotics

374 Congress Street  
Boston, MA 02210  
Email: [americas@aldebaran-robotics.com](mailto:americas@aldebaran-robotics.com)  
[www.aldebaran-robotics.com](http://www.aldebaran-robotics.com)

Aldebaran Robotics was founded in 2005 in Paris to develop and market humanoid home robot companions. NAO comes with different programming interfaces that are adapted to its user's level. It answers the needs of universities and laboratories in very diverse topics: computer sciences, artificial intelligence, automation, human-robot interaction. We have subsidiaries in Shanghai, Boston and Osaka.



## Autism Research Institute

4182 Adams Ave.  
San Diego, CA 92116  
(619) 281.7165  
[www.autism.com](http://www.autism.com)

The Autism Research Institute (ARI) is the hub of a worldwide network of parents, clinicians, and researchers. ARI was founded in 1967 by Dr. Bernard Rimland, and its mission is to conduct, foster, and disseminate scientific research on prevention, diagnosis, and treatment. ARI sponsors [www.autism.com](http://www.autism.com), biannual conferences, and think tanks.



## Autism Science Foundation

Jonathan Carter  
Operations Manager  
419 Lafayette Street  
New York, NY 10003  
Phone: (646) 723-3978  
Email: [jcarter@autismsciencefoundation.org](mailto:jcarter@autismsciencefoundation.org)  
[www.autismsciencefoundation.org](http://www.autismsciencefoundation.org)

The Autism Science Foundation provides funding directly to scientists conducting cutting-edge autism research to discover the causes of autism and to develop better treatments for children, teens and adults with autism. We also provide information about autism to the general public and support the needs of individuals with autism and their families. ASF is a non-profit organization.



## Autism Speaks

Dana Marnane  
Vice President, Awareness & Events  
1 East 33rd Street, 4th Floor  
New York, NY 10016  
Phone: (212) 252-8584  
Email: [contactus@autismspeaks.org](mailto:contactus@autismspeaks.org)  
[www.autismspeaks.org](http://www.autismspeaks.org)

Autism Speaks, the world's largest autism science and advocacy organization, is dedicated to funding research into the causes, prevention, treatment, and cure for autism; to raising public awareness about autism and its effects on individuals, families, and society; and bringing hope to all who struggle with autism spectrum disorder.



## Electrical Geodesics, Inc.

Diana Aguilar  
1600 Millrace Dr, Suite 307  
Eugene, OR 97403  
Phone: (541) 687-7962  
Email: [daguilar@egi.com](mailto:daguilar@egi.com)  
[www.egi.com](http://www.egi.com)

EEG Systems, Experimental Control Workstations, Integrated Eye Tracking, Source Analysis Software. 256, 128, 64, and 32-channel systems with upgrade available to fMRI compatibility. The choice for autism researchers worldwide who want the best data quality obtainable using the legendary Geodesic Sensor Net. Come by our booth for a demonstration.



## ilumivu

[Kat@ilumivu.com](mailto:Kat@ilumivu.com)  
1-800-848-7147  
[www.ilumivu.com](http://www.ilumivu.com)

Software Platforms for Humanity: Human beings are complex, dynamic and incredibly resourceful. Tackling the challenges faced by the world today requires global collaboration, the ability to see one thing from many perspectives and the openness to accept the views of others. We build software platforms to facilitate the global conversation.



## Interactive Autism Network

Interactive Autism Network  
Cheryl Cohen  
Online Community Director  
3825 Greenspring Avenue, Painter Building,  
1st Floor  
Baltimore, MD 21211  
Phone: (443) 923-4140  
Email: [Researchteam@IANProject.org](mailto:Researchteam@IANProject.org)  
<http://ianproject.org/>

The Interactive Autism Network, IAN, is the nation's largest online ASD research study with over 36,000 participants. IAN facilitates ASD research by linking families and researchers. IAN offers researchers study recruitment services, online data collection, and access to ASD data. IAN is a project of Kennedy Krieger Institute, Baltimore, MD.



## LENA Pro Systems

5525 Central Avenue  
Suite 100  
Boulder, CO 80301-2820  
[www.lenafoundation.org](http://www.lenafoundation.org)

The LENA Pro System was specifically designed for researchers, speech language pathologists, audiologists, and pediatricians. LENA allows you to easily collect, process, and analyze language environment and development data for children ages 2 to 48 months, including measurements like the number of words spoken to a child, conversational turns and child vocalizations.



# EXHIBITORS

## Mangold International GmbH

Graf-von-Deym-Str. 5  
94424 Arnstorf / Germany  
Phone: +49 (0)8723 978 330  
Fax: +49 (0)8723 978 333  
Email: [info@mangold-international.com](mailto:info@mangold-international.com)  
[www.mangold-international.com](http://www.mangold-international.com)

Mangold International is a leading provider of stationary and portable labs and software solutions. Mangold software tools allow researchers to quickly perform their studies using live observation, video analysis, eye tracking, bio-data acquisition and others. Successful in use for more than 20 years worldwide, Mangold is your global partner.



## National Database for Autism Research

Dan Hall  
6701 Democracy Blvd, Suite 300  
Bethesda, MD 20817  
Phone: (301) 467-0823  
Email: [ndarhelp@mail.nih.gov](mailto:ndarhelp@mail.nih.gov)  
[www.NDAR.NIH.gov](http://www.NDAR.NIH.gov)

NDAR is a secure bioinformatics platform for Autism Spectrum Disorder investigators. Funded by the U.S. National Institutes of Health, NDAR facilitates data sharing and scientific collaboration; provides bioinformatics solutions to address research community needs; and enables the effective communication of detailed research data, tools and results to scientists.



## National Institutes of Health

6001 Executive Blvd, Room 8184, MSC 9663  
Phone: (866) 615-6464  
Email: [nimhinfo@nih.gov](mailto:nimhinfo@nih.gov)  
[www.nimh.nih.gov](http://www.nimh.nih.gov)

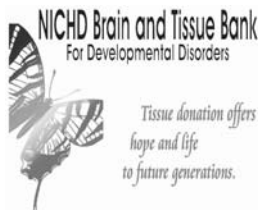
The National Institutes of Health, U.S. Department of Health and Human Services, is a world leader and the Federal focal point for biomedical research. The 27 Institutes and Centers of NIH aim to acquire new knowledge to help prevent, detect, diagnose, and treat disease and disability, from the rarest genetic disorder to the common cold.



## NICHD Brain and Tissue Bank for Developmental Disorders

Dr. Ron Zielke  
655 W Baltimore St 13-013 BRB  
Baltimore, MD 21201  
Phone: (410) 706-6911  
Email: [btbumab@umaryland.edu](mailto:btbumab@umaryland.edu)  
[www.Btbank.org](http://www.Btbank.org)

The NICHD Brain and Tissue Bank for Developmental Disorders was established in 1991 to serve as a tissue resource center with the goals of collecting, storing and distributing human tissue for medical research. The Bank works with individuals, support groups and researchers to offer hope and life to future generations.



## Noldus Information Technology

Paige Roderick  
1503 Edwards Ferry Rd. Ste 201  
Leesburg, VA 20176  
Phone: (800) 355-9541  
Email: [info@noldus.com](mailto:info@noldus.com)  
[www.noldus.com](http://www.noldus.com)

Noldus offers innovative products and services for the study of autistic and human behavior. The Observer XT, our premier solution for collecting and analyzing behavioral data, also integrates third-party devices like physiological and eye tracking systems to provide an innovative multi-modal approach to research. Visit our booth for a free demonstration.



## Office of Autism Research Coordination

Office of Autism Research Coordination  
National Institute of Mental Health  
National Institutes of Health  
6001 Executive Boulevard, NSC 8185a  
Rockville, MD 20852  
Email: [laccpublicinquiries@mail.nih.gov](mailto:laccpublicinquiries@mail.nih.gov)  
[www.iacc.hhs.gov](http://www.iacc.hhs.gov)

The Office of Autism Research Coordination (OARC) coordinates the activities of the Interagency Autism Coordinating Committee (IACC), which is a federal advisory committee mandated by Congress to coordinate autism related activities across the U.S. Department of Health and Human Services.

## Oxford University Press

198 Madison Avenue  
New York, NY 20016  
Phone: (800) 451-7556  
Email Address: [custserv.us@oup.com](mailto:custserv.us@oup.com)  
[www.oup.com/us](http://www.oup.com/us)

Visit our booth for 20% off on Amaral, Geschwind, and Dawson: Autism Spectrum Disorders; Fein: The Neuropsychology of Autism; Luiselli: Teaching and Behavior Support for Children and Adults with Autism Spectrum Disorder; Shrout: Causality and Psychopathology; Coleman: The Autisms, Fourth Edition (forthcoming); and more.



## Phelan-McDermid Syndrome Foundation

Geraldine Bliss  
P.O. Box 1016  
Venice, FL 34284  
Phone: (941) 485-8000  
Email: [gbliss@comcast.net](mailto:gbliss@comcast.net) and [sue@pmsf.org](mailto:sue@pmsf.org)  
[www.pmsf.org](http://www.pmsf.org)

The Phelan-McDermid Syndrome Foundation is a family and research support organization dedicated to improving the lives of people affected by Phelan-McDermid Syndrome. Phelan-McDermid Syndrome, characterized by intellectual and developmental disability and autism or autism-like affect, is caused by deletions of 22q13 and mutations of the SHANK3 gene.



# EXHIBITORS

## Prometheus Research

55 Church St, 7th Floor  
New Haven, CT 06510  
Phone: (203) 672-5833  
Email: lux@prometheusrsearch.com  
www.prometheusrsearch.com

Prometheus Research: Proven Leaders in Solving the Ordinary and Extraordinary Challenges of Managing Research Data. Prometheus is dedicated to helping researchers manage their data. Our innovative tools keep your data centralized, organized, secure, and ready for analysis. Our solutions reflect our deep domain knowledge in research methods relevant to autism. We are proud to list as clients eminent researchers and institutions.



## Simons Foundation Autism Research Initiative

160 Fifth Ave, 7th Floor  
New York, NY 10010  
Phone: (646) 654-0066  
Email: agreenebaum@simonsfoundation.org  
www.sfari.org

SFARI's mission is to improve the diagnosis and treatment of autism spectrum disorders by driving, catalyzing and funding research of the greatest quality and relevance. Please visit us at IMFAR to learn about new funding opportunities and how SFARI is working to advance autism science by providing innovative resources for researchers.



## SMI

Lisa Richardson  
Project Coordinator  
236 Lewis Wharf  
Boston, MA 02110  
Phone: (617) 557-0010  
Email: salesus@smivision.com  
www.smivision.com

SMI is a world leader in dedicated computer vision applications, developing and marketing eye & gaze tracking systems and OEM solutions for a wide range of applications such as psychology, neurology and ophthalmology. SMI serves customers around the globe from offices in Teltow, Germany and Boston, USA. Visit our booth to try the eye tracking solutions yourself or find more information at www.smivision.com.



## Springer

Springer Science & Business Media  
Garth Haller  
Editorial Assistant  
233 Spring Street  
New York, NY 10013  
(212) 620-8481  
Email: garth.haller@springer.com  
www.springer.com

Stay on the cutting edge with Springer Books and Journals in the fields of Autism and Related Neurodevelopmental Disorders, where leading scholars and practitioners connect research, practice, and policy to give professionals the information and tools they need. For more information, contact: Judy Jones, Senior Editor at: judy.jones@springer.com.



## Western Psychological Services

Crystal Broberg  
Marketing Coordinator  
Western Psychological Services  
12031 Wilshire Boulevard  
Los Angeles, CA 90025-1251  
Phone: (310) 478-2061 ext. 126  
Email: cbroberg@wpspublish.com  
www.wpspublish.com

Western Psychological Services (WPS) is your source for autism assessments. Whether you're looking for a brief screener or a comprehensive assessment, WPS has the tests you need to accurately identify, diagnose, and treat autism spectrum disorders. New products include the Childhood Autism Rating Scale, Second Edition (CARS2) and Autism Conversations.



## Wiley-Blackwell

Victoria Goldberg  
111 River Street, Mailstop 4-02  
Hoboken, NJ 07030  
Phone 201-748-8893  
Email: vigold@wiley.com  
www.Wiley.com

Wiley-Blackwell is the international scientific, technical, medical and scholarly publishing business of John Wiley & Sons, with strengths in every major academic and professional field and partnerships with many of the world's leading societies. Wiley-Blackwell is the official publisher of Autism Research on behalf of INSAR.



# INSAR 2011 Sponsors

*We thank the following organizations for their generous support of INSAR and the IMFAR conference.*

## MAJOR SPONSOR LEVEL



**AUTISM SPEAKS™**  
It's time to listen.

[www.AutismSpeaks.org](http://www.AutismSpeaks.org)

**NIMH**

National Institute  
of Mental Health

**SFARI** SIMONS FOUNDATION  
AUTISM RESEARCH INITIATIVE

## SPONSOR LEVEL



AUTISM RESEARCH INSTITUTE  
*Autism is Treatable*

## PATRON LEVEL

Hilibrand Foundation

**SAVE THE DATE!**

---

**2012  
IMFAR Annual  
Meeting**

**May 17-19**  
*Sheraton Centre Hotel*  
*Toronto, Canada*

[www.autism-insar.org](http://www.autism-insar.org)

**International Society for Autism Research**