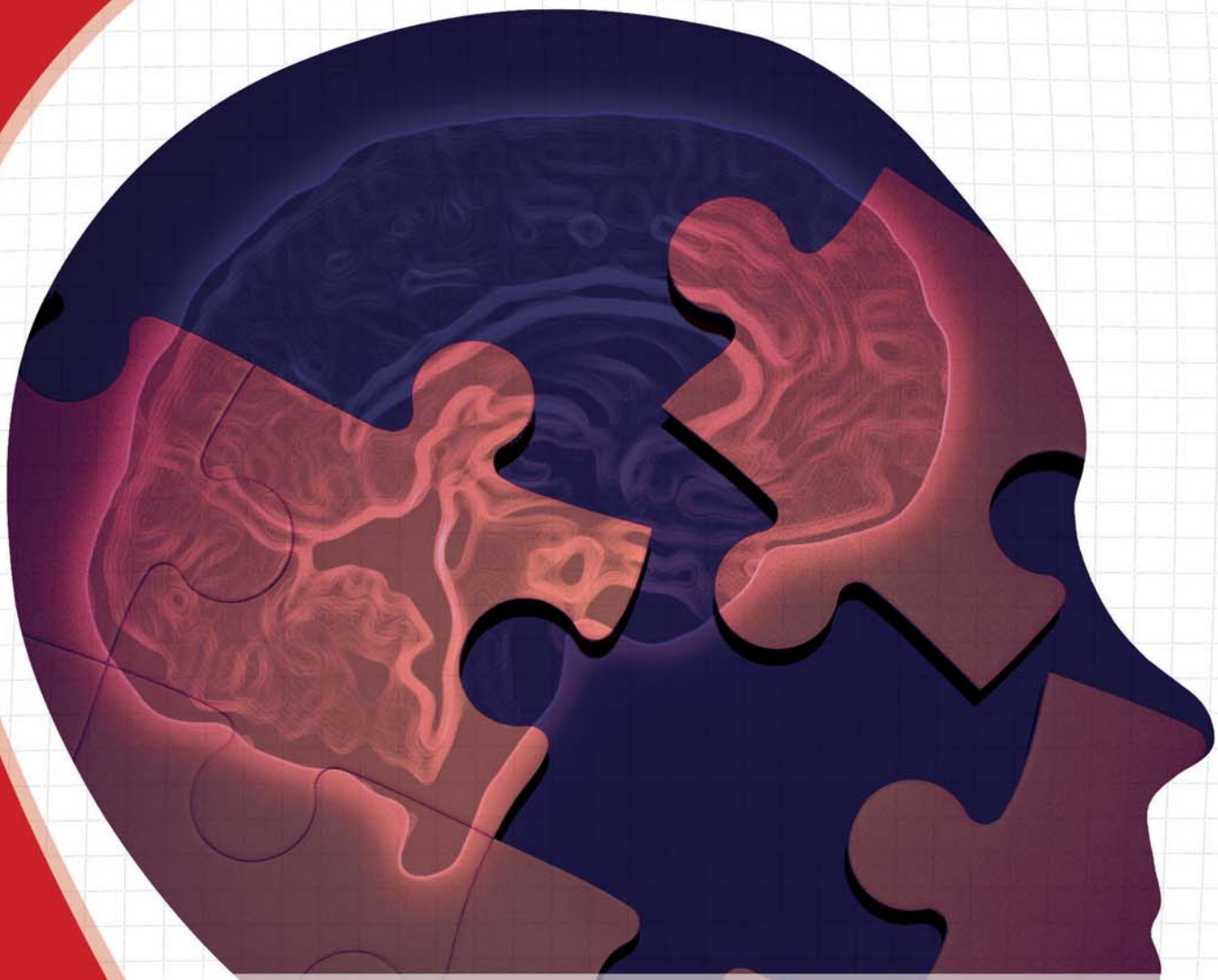
International Meeting for Autism Research

May 12 - 14, 2011

Manchester Grand Hyatt ■ San Diego, California



IMFAR 2001–2011
INTERNATIONAL MEETING FOR AUTISM RESEARCH
10TH ANNIVERSARY

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

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Save the Date
2012 IMFAR Annual Meeting!

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

IMFAR 2001–2011
INTERNATIONAL MEETING FOR AUTISM RESEARCH
10TH ANNIVERSARY

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 Marshalyn 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.

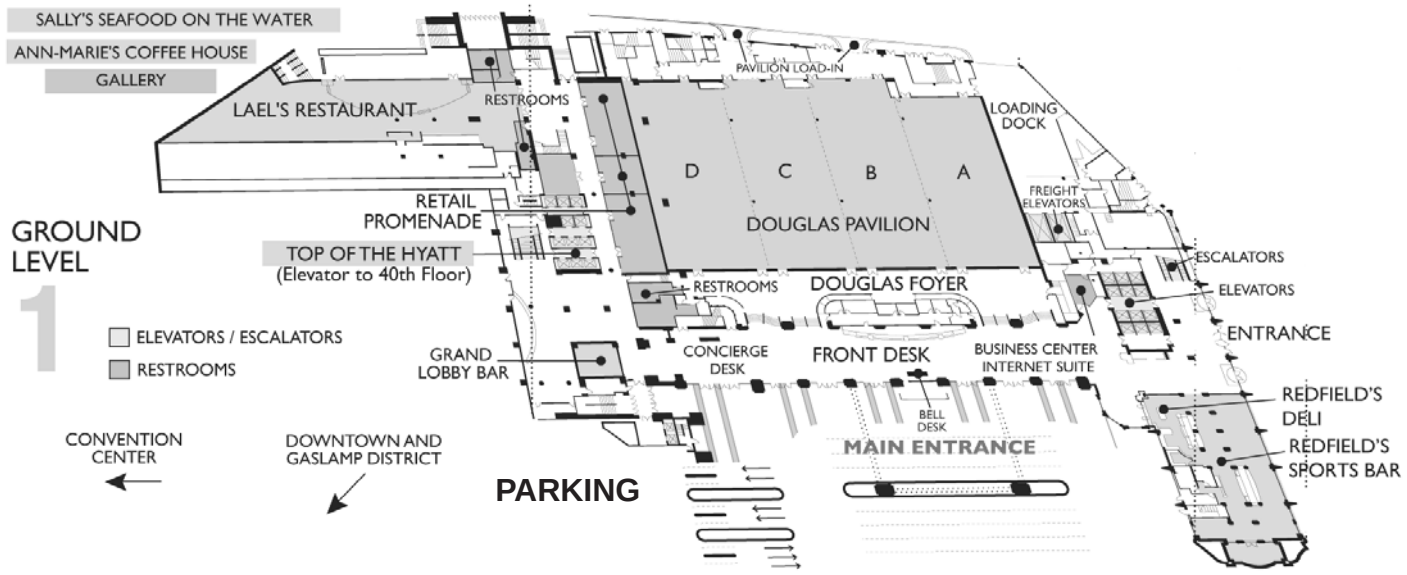
The IMFAR Meeting is a work in progress and we expect to continue making changes to improve future meetings. Your feedback is important to us so I welcome your comments on what went right at IMFAR 2011 and what areas you think can be improved. One example is there were several complaints last year about 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

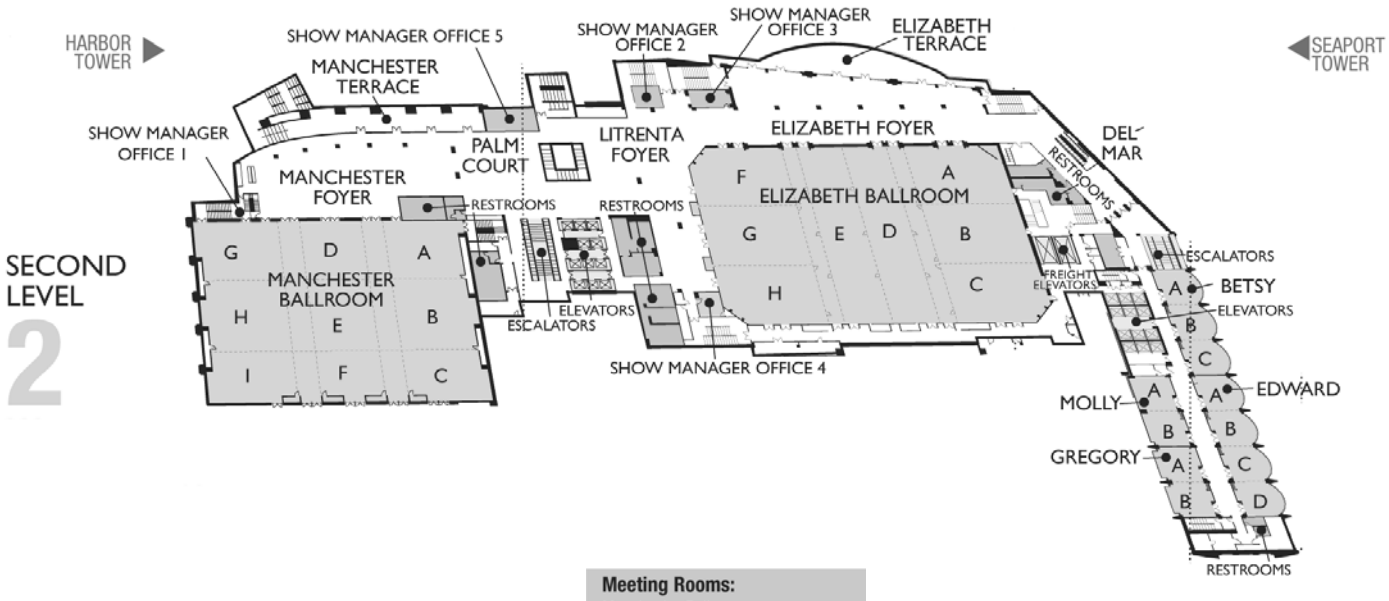


Meeting Rooms:
Douglas Pavilion
Douglas Foyer
Gallery

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

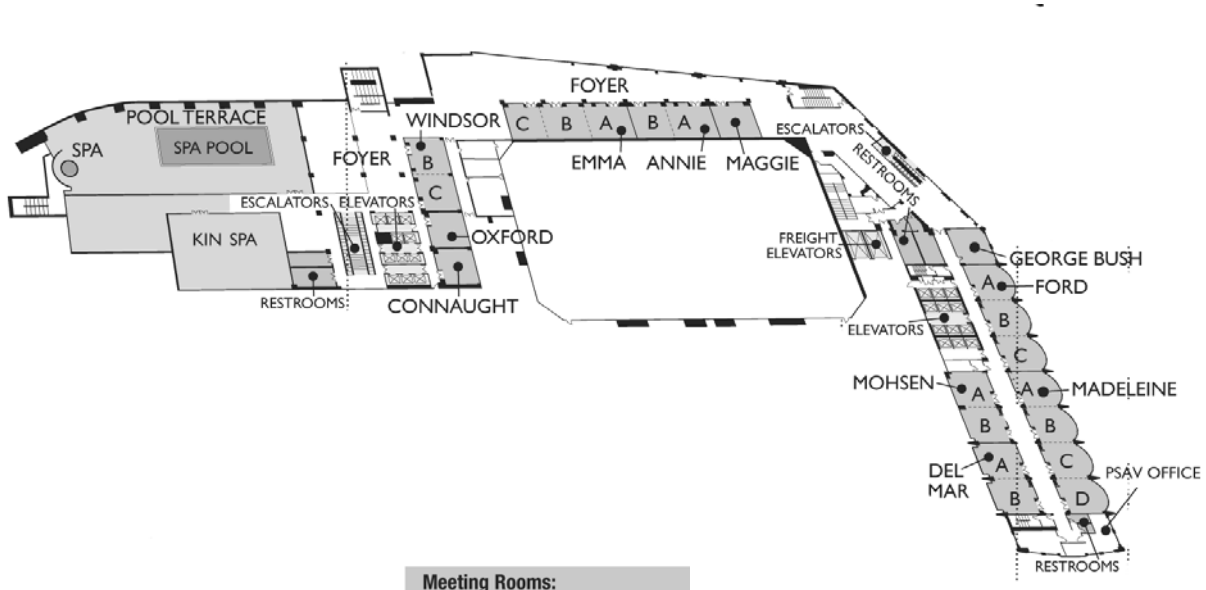
Business Center



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

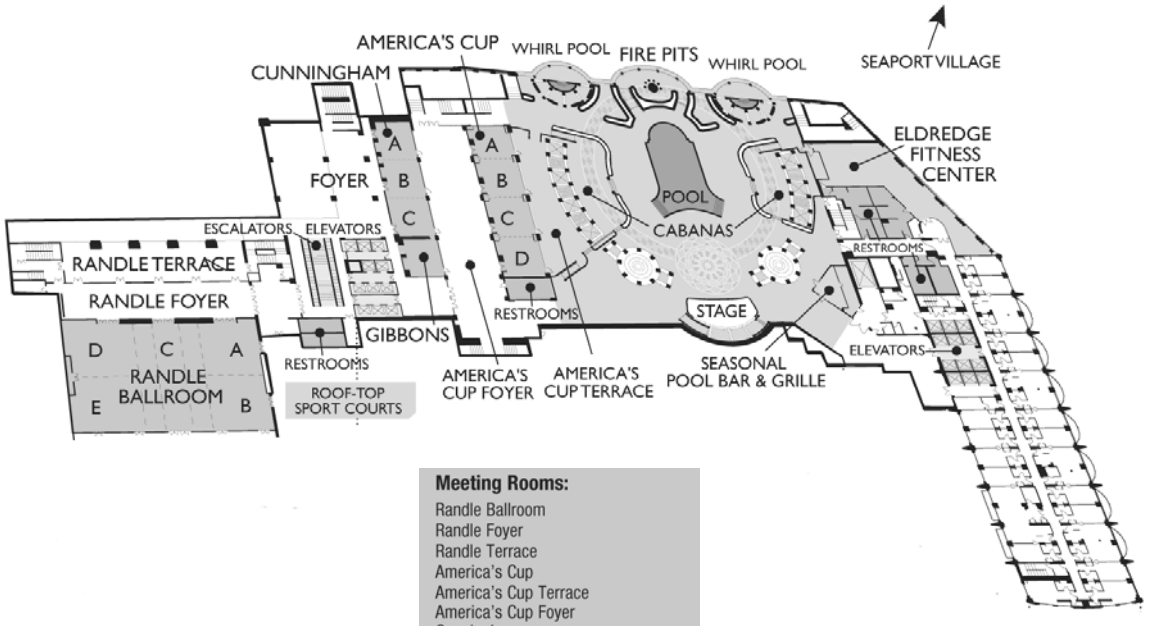
THIRD LEVEL
3



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

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) 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
10:00-10:30A	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)			
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)			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)			

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.

FRIDAY May 13

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** 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:

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**

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 Shestak

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.

Bios provided by recipients

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
Prahbhjot 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.

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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) 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
10:00-10:30A	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)			
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[*1], V. L. Shafer[2], J. Flax[3,4], Y. H. Yu[5] and M. MacRoy-Higgins[6], (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[*1], J. A. Reitzel[2], P. Szatmari[3] and A. Harrison[1], (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[*1], A. L. Isenberg[1], P. T. Fillmore[2], K. Osann[3] and P. Flodman[4], (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[*1], A. Kaiser[2], R. J. Landa[3], P. Mathy[4], K. Goods[5] and J. Nietfeld[2], (1)University of California, Los Angeles, Los Angeles, CA, (2)Vanderbilt University, Nashville, TN, (3)Kennedy Krieger Institute, Baltimore, MD, (4)Kennedy Kreiger 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[*1], S. C. Marcus[2] and D. S. Mandell[3], (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[*1], E. Rotheram-Fuller[2] and D. S. Mandell[3], (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[*1], T. Dumont-Mathieu[2], M. Barton[3] and D. A. Fein[3], (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[*1], A. C. Stahmer[2], S. Reed[2], E. L. Lee[3], S. Shin[4] and D. S. Mandell[5], (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[*1], T. Steinhoff[1,2], N. Letsinger[1,3], J. Halpern[2,4] and F. R. Volkmar[1], (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[*1,2], D. R. Langer[2,3], M. A. McCarthy[1,2], L. J. Lawer[1,2], E. Brusilovskiy[4] and D. S. Mandell[1,2], (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[*1], S. Kurland[1], J. Shenouda[1], N. Scotto-Rosato[2], S. Howell[2] and W. Zahorodny[3], (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[*1], D. M. Noyes-Grosser[2], E. Morgan[3], L. Yan[4] and K. Siegenthaler[2], (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[*1], L. M. Hernandez[1], D. Shirinyan[1], N. L. Colich[1], P. Gorrindo[2], D. H. Geschwind[3], P. Levitt[2], S. Y. Bookheimer[4] and M. Dapretto[1,4], (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[*1], B. Thyreau[2], A. Lourdusamy[3], D. Stacey[3], A. Cattrell[3], G. Barker[3], C. Buechel[4], P. Conrod[3], H. Flor[5], J. Gallinat[6], H. Garavan[7], A. Heinz[6], M. Lathrop[8], K. Mann[5], J. L. Martinot[9], T. Paus[10], L. Poustka[11], T. W. Robbins[12], M. Rietschel[5], M. Smolka[13], J. B. Poline[2] and G. Schumann[3], (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)Univerity 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 fcMRI Findings from an Adolescent Sample of Low and High Functioning Individuals. N. M. Kleinhans[*1], G. Pauley[1], N. Martin[1], A. M. Estes[2], D. Shaw[1], A. Artu[1] and S. R. Dager[1], (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[*1], G. S. Dichter[2], A. Rittenberg[1], R. Pretzel[3], A. B. Ratto[4] and J. W. Bodfish[5], (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[*1], A. C. Smith[2], M. J. Frank[3], S. Ly[4] and C. S. Carter[5,6], (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[*1], N. B. Pitskel[2], B. Deen[1], M. J. Crowley[3], M. D. Kaiser[4] and K. A. Pelphrey[1], (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[*1], N. Mateljevic[2], M. D. Kaiser[3], A. C. Voos[3], D. R. Sugrue[3], A. Y. Nguyen-Phuc[3], F. R. Volkmar[3] and K. A. Pelphrey[3], (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[*1], N. Kriegeskorte[2], I. Charest[2], C. Ecker[3], B. Chakrabarti[1,4], E. T. Bullmore[5], D. G. Murphy[3], M. R. C. AIMS Consortium[6] and S. Baron-Cohen[1], (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[*1], B. S. Abrahams[2], R. T. Jones[1], K. C. Winden[1], A. Bragin[1], I. Mody[1], E. Peles[3] and D. H. Geschwind[1], (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[*1], J. I. Borjon[2], W. Jones[2], A. Klin[2] and J. Bachevalier[1], (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[*1], L. Lin[1], Y. Yan[1], S. Prem[1], J. H. Millonig[2] and E. DiCicco-Bloom[1], (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, Jakmip1, Suggests Its Role In Brain Translational Regulation. J. Bomar[*1,2], A. Oguro-Ando[3], O. Penagarikano[4], J. Miller[3], H. Dong[5], S. Pellegrini[6], J. Wohlschlegel[7] and D. H. Geschwind[8], (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[*1], B. Balakrishnan[1], H. Dai[1], W. Lesniak[2], A. Jyoti[1], O. Muzik[1], K. Rangaramanujam[2], R. Romero[3] and D. C. Chugani[1], (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[*1], I. N. Pessah[2] and J. Van de Water[3], (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[*1], H. Wei[1], M. Malik[2], A. Sheikh[1], G. Merz[1] and W. T. Brown[3], (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[*1], A. Marzouk[2], R. Donnelly[1,2] and N. M. Ponzio[1,2], (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[*1], B. Ingersoll[2], K. A. Meyer[2] and N. Bonter[3], (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[*1], L. Schreibman[1], A. C. Stahmer[1,2], K. Pierce[1] and E. Courchesne[3], (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[*1], G. Valeri[2], C. Napolitano[3], I. Fontana[3] and S. Vicari[4], (1)Rome, Italy, (2)IRCCS Ospedale Bambino Gosu - 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[*1], J. Koudys[1], J. M. Bebko[1] and A. Perry[2], (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[*1], J. A. Burack[2] and A. Nadig[3], (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[*] 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[*], 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[*1], F. Hurewitz[2] and D. S. Mandell[3], (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[*1], S. Shin[2], M. Xie[3] and D. S. Mandell[4,5], (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[*1], D. D. Barrie[2], V. A. Bruce[1], M. N. Gragg[2], T. M. Carey[1] and M. Tahir[1], (1)Psychology, University of Windsor, Windsor, ON, Canada, (2)University of Windsor, Wiindsor, 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[*1], S. Mire[2] and R. P. Goin-Kochel[3], (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[*], 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[*1], T. W. Frazier[2], C. Vires[3], M. Vallinger[1], L. Speer[3], A. Sinoff[1], F. Dimitriou[1] and A. Newman[1], (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[*] 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[*1] and S. J. Rogers[2,3], (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[*1] and L. Lara-Brady[2], (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[*], 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[*] 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[*1], J. J. Diehl[2,3], M. Villano[1], K. Wier[1], B. Thomas[4], N. M. Shea[1], L. Schmitt[5], Z. DuBois[1], M. A. Millea[1], K. A. Uhland[1] and C. R. Crowell[1], (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[*1], B. Ingersoll[1], D. Carlsen[2] and T. Hamlin[2], (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[*1], M. T. Mercadante[2] and J. Perissinoto[3], (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[*], 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[*], 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[*1] and D. F. Thompson[2], (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[*], 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[*1], A. S. Nahmias[2], S. Celimli[3], D. S. Messinger[4], W. L. Stone[5], A. S. Carter[6] and P. J. Yoder[7], (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[*1], K. Lopez[2], A. Barriger[1], L. A. Jeanpierre[1] and C. Lord[3], (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[*] 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[*1,2], A. Kaale[3] and S. E. Ulvund[4], (1)University of Oslo, Oslo, Norway, (2)Child and Adolescent Mental Healt 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[*], 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[*], 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[*], 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[*] 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[*1], K. A. Goods[2], E. H. Ishijima[3], K. Krueger[4] and C. Kasari[5], (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*[1], L. Lomtevas[1], I. Cozma[1], S. Menon[1], M. J. Siller[2], T. Hutman[3] and M. Sigman[4], (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*[1], K. Strauss[2], G. Valeri[3], L. D'Elia[4], S. Arima[5] and S. Vicari[4], (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*[1] and S. Hodgetts[2], (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*[1], L. Fava[2], G. Valeri[3], L. D'Elia[4], S. Arima[5] and S. Vicari[4], (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*[1], A. M. Mulloy[1], R. Lang[2] and M. F. O'Reilly[1], (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*[1,2,3], K. Hermans[1], R. Verpoorten[4], J. P. W. Maljaars[5] and I. A. van Berckelaer-Onnes[5], (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*[1], K. MacDonald[2] and C. Whalen[3], (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*[1], R. L. Koegel[2] and L. K. Koegel[3], (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*[1], D. B. McAdam[2], D. A. Napolitano[2] and C. R. Peterson[3], (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*, 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*[1] and C. Kasari[2], (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*[1], A. Blakeley-Smith[2], E. Leuthe[3] and S. Hepburn[4], (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, Anscutz Medical Campus, Aurora, CO

11:00 48 105.048 CBT for Anxiety Disorders In Children with An Autism Spectrum Disorder. F. J. van Steensel* 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*[1], G. R. Simpson[2], E. A. Laugeson[3], J. J. Wood[4] and J. Ehrenreich-May[5], (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*[1], D. Z. Bolling[2], J. Wu[3], M. J. Crowley[3], J. McPartland[3], L. Scahill[4] and K. A. Pelphrey[2], (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 Functionning In Children with Asperger Syndrome. H. Karnezi* 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*[1] and H. Karnezi[2], (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*, 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*[1], J. Reaven[2], A. Blakeley-Smith[3], B. Wolff[4] and K. Kaiser[5], (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*[1], A. Jassi[2], M. Fullana[3], D. G. Murphy[4], H. Mack[5], K. Johnston[6] and D. Mataix-Cols[7], (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*[1], H. Kuwabara[2], A. Todokoro[2], H. Yamasue[3], Y. Kano[2] and K. Kasai[3], (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*, 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*[1], L. Y. Wang[2], Y. Y. Wu[3], S. R. Lee[3], M. Y. Hsu[3], Y. C. Tu[4] and S. Y. Wu[1], (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*, 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*[1], S. Mrug[1], J. B. Hodgens[1], C. S. Patterson[1] and K. J. Bailey[2], (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*[1], O. Golan[1] and H. Omer[2], (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*[1], S. Hepburn[2] and J. Reaven[3], (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*[1,2], J. Suhrheinrich[1,2], A. C. Stahmer[1,2], L. Schreibman[2], J. Wilson[2] and B. Ross[2], (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*[1], C. Del Furia[2], M. Venturi[3], M. Innocenti[3] and A. Narzisi[4], (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*[1], J. Foster[2] and T. Hamlin[3], (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*[1], M. South[2,3], T. Newton[2], K. Brown[4], E. Johnson[5] and H. Shamir[6], (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*[1], J. P. Stichter[2], K. V. O'Connor[3], A. Moffitt[4], M. Herzog[3] and S. E. Christ[2], (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[*1], C. Hughes[2], M. Golas[2] and J. C. Cosgriff[2], (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[*1], P. Menacherry[2], T. Gifford[1], K. Marsh[1] and A. Bhat[2], (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[*1], A. Meyer[1], K. Schohl[1], B. Dolan[1], E. Beste[1], M. Houge[1], E. A. Laugeson[2] and A. V. Van Hecke[1], (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[*1], D. Seiple[1], M. Kim[1] and J. J. Locke[2], (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[*1] and N. C. van Ham[2], (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[*1], M. W. Demarse[2], R. Worden[2], L. Alpert-Gillis[2], E. Smith[1] and E. S. Kuschner[3], (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[*1], K. Lynch[1], T. Gifford[2], D. Bubela[1] and A. Bhat[1], (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[*1], C. Susca[1], M. Lally[1] and K. Marsh[2], (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[*], 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[*], 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[*1], L. Cannon[2], K. Alexander[2], M. A. Werner[2], M. C. Wills[3], J. L. Sokoloff[3], C. Sharber[3], J. Wintrol[2] and L. Kenworthy[3], (1)Center for Autism Spectrum Disorders, Division of Neuropsycholology, 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[*1], L. Lam[1], H. Yates[1], M. Fleishman[1], T. Vause[2] and M. Feldman[1], (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[*1], A. Blakeley-Smith[2], B. Wolff[3], S. Hepburn[4] and J. Reaven[5], (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, Anscutz 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[*] 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[*], 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[*1], H. Crain[2], R. Schmitt[2], L. V. Soorya[2] and A. T. Wang[2], (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[*1], S. Mahjouri[1] and C. Kasari[2], (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[*], 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[*1], S. Pulver Tetenbaum[2], L. Adamek[3], L. Perlis[4], E. M. Mansdorf[5] and G. Reilly[6], (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*, 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*, 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*[1], L. Zwaigenbaum[2], M. Clarke[3], W. Roberts[4], J. Magill Evans[2], M. Saini[4], L. Lach[5], R. MacCulloch[5], D. Barrett[6] and M. Spoelstra[7], (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*[1], T. Benevides[2], D. Kelly[3], Z. Mailloux[4], J. Hunt[5], P. Faller[5], E. VanHooydonk[3], C. Neuwirth[3] and R. Freeman[3], (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)Pediatic 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*, 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*[1], A. M. Estes[2], S. J. Rogers[3,4] and S. E. Zebrowski[1], (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*, 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*[1], E. Taylor-Whiffen[1] and A. J. Wilkins[2], (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*[1], E. M. Sokhadze[2], J. M. Baruth[3] and M. F. Casanova[2], (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*[1], N. M. Trosclair-Lasserre[2], A. J. Findley[1], M. A. Shillingsburg[1] and N. A. Call[1], (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*[1] and E. Hanson[2], (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*[1], A. Ben Meir[2] and N. Katz[2], (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*, 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*[1], A. C. Stahmer[2], S. Reed[3], K. L. Searcy[4] and L. I. Brookman-Frazee[3], (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*[1], R. S. Pabico[2], A. J. Findley[1], A. L. Valentino[1] and N. A. Call[1], (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*, 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* 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*[1], A. C. Stahmer[1,2], E. Worcester[3], R. Gutierrez[4], K. Pierce[1] and E. Courchesne[5], (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[*1], R. L. Gabriels[1], J. S. Runde[2], J. Gralla[3], Z. Pan[3], E. Goldson[3] and M. Z. Wamboldt[1], (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[*1], E. Anagnostou[2], S. L. Hyman[3], T. Clemons[4] and C. Lajonchere[5], (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[*1], C. Hannum[2], B. L. Schmidt[3], J. Foley[4] and P. A. Stewart[3], (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[*1], A. Perry[1], J. A. Weiss[1] and R. Condillac[2], (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[*1], A. Pickles[2], J. Green[3], H. McConachie[4], C. R. Aldred[5] and .. The PACT Consortium[3], (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[*1], D. Stone[1], P. A. Law[2] and S. Steppa[1], (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[*1], B. L. Schmidt[2], N. Lemcke[2], N. Wixom[3], T. Clemons[4], R. Peck[5], J. Foley[6] and S. L. Hyman[7], (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[*1] and M. Boman[2], (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[*], Hobart, TS, Australia

9:00 114 105.114 Restricted and Repetitive Behaviors and Interests as Reinforcement. J. Hine[*1], B. Barger[2] and J. Campbell[3], (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[*1], R. Panzer[2], D. Treadwell-Deering[3], R. McCoy[4], A. M. Reynolds[5], E. Anagnostou[6], D. Johnson[7], R. A. Vasa[8] and D. L. Coury[9], (1)Box 671, University of Rochester, Rochester, NY, (2)Autism Treatment Network, Boston, MA, (3)Texas Children's Hosptial, 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[*1], H. Schertz[2] and K. Baggett[3], (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[*] 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[*1], C. A. Farmer[2], M. G. Aman[3] and E. Butter[4], (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[*], 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[*] 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[*], Chicago, IL

11:00 122 105.122 Use of a Token Economy to Treat Vocal Stereotypy In a Boy with Autism. M. A. Shillingsburg[*1], J. E. Lomas[2] and D. W. Bradley[1], (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[*1], E. M. Reisinger[2], S. Shin[2] and D. S. Mandell[3], (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[*], 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[*], 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[*1], C. A. Molloy[2], T. E. Clemons[3], S. E. Goldman[1], K. L. Surdyka[1], D. Wofford[1], D. Fawkes[1] and B. A. Malow[1], (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[*1] and D. E. Simkiss[2], (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[*1], L. Lecavalier[2], S. Yu[3], L. E. Arnold[2], B. L. Handen[4], C. McDougle[5], L. Scahill[6], C. Johnson[7] and M. G. Aman[2], (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[*1], L. Bernstein[1], B. Burrows[1], K. Hottinger[2], K. Lawson[1], R. M. Seijo[2], M. Schechtman[3], L. H. Shulman[1] and S. Shinnar[1], (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[*], 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[*], Katholieke Universiteit Leuven - PHL-University College, Belgium, B 3000 Leuven, Belgium

9:00 132 105.132 A Descriptive Analyis of Elementary SCHOOL Students' Conceptions of AUTISM. J. Campbell[*1], N. R. Silton[2] and K. Roulston[3], (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[*1,2], S. Nichols[3] and S. Tetenbaum[4], (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[*1], J. P. Stichter[1], A. J. Moffitt[2], K. E. Bodner[3] and K. V. O'Connor[2], (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[*1] and M. O. Mazurek[2], (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[*1] and S. M. Kanne[2], (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[*1], A. Zaidman-Zait[1], S. Georgiades[2], P. Szatmari[2], S. E. Bryson[3], E. Fombonne[4], W. Roberts[5], T. Vaillancourt[6], J. Volden[7], C. Waddell[8], L. Zwaigenbaum[7], E. Duku[2] and A. Thompson[2], (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[*1] and C. Lord[2], (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[*1] and C. A. Farmer[2], (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[*1], D. I. Hamilton[2] and H. T. Evert[1], (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[*1], E. Fombonne[2], E. Gisel[3] and M. Couture[4], (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[*1], B. A. White[1], S. W. White[2] and T. Ollendick[1], (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[*1], P. Kloosterman[2], J. Parker[3], W. Craig[2] and C. Javier[4], (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[*1] and R. J. Landa[2], (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[*1], H. Roeyers[2], A. Desoete[1] and S. Pieters[1], (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[*1], J. Meehan[2] and L. Gallagher[1], (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[*1], C. M. Slater[1], L. M. Caccamo[1], E. Hanson[2], E. Chan[1] and J. Bacic[3], (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[*1], L. Kalb[2] and P. A. Law[3], (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[*1], R. T. Schultz[2] and P. C. Kendall[3], (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[*1] and M. Mehtar[2], (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[*1], R. Uslu[2] and O. Özalp Kartal[3], (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[*1], A. Keefer[2], C. Foster[3], R. A. Vasa[2], B. H. Freedman[1] and B. Zablotsky[4], (1)Kennedy Krieger Institute, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD, (3)Kennedy Kreiger 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[*1], D. P. Oswald[2], S. M. Eack[3], N. J. J. Minshew[4] and J. E. Lainhart[5], (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[*1], S. K. Kapp[2], K. Orenski[3] and E. A. Laugeson[4], (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[*1], C. E. Pugliese[2], A. Scarpa[3] and S. W. White[4], (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[*1], N. L. Kreiser[1] and S. W. White[2], (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[*1], J. M. Phillips[2], K. J. Parker[1] and A. Y. Hardan[1], (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[*], 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[*1], S. Karakoç Demirkaya[1] and N. M. Mukaddes[2], (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 Prescholars Children with Autism and PDD NOS: Prevalence and Risk Factor. G. Valeri[*1], L. D'Elia[2], N. Mirante[1] and S. Vicari[2], (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[*1] and H. Martinsen[2], (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[*] 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[*1], J. Flax[1], C. Bartlett[2], L. Hou[2], A. Hare[1], S. Buyske[3], B. Zimmerman-Bier[4] and L. Brzustowicz[1], (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-Amezcua[*1], O. Roldan-Ceballos[2], O. Nafate-Lopez[3], W. O. Lopez Martinez[3], P. Zavaleta-Ramírez[4], D. C. Melchor Contreras[3], G. Villarreal-Valdes[5] and L. Albores-Gallo[5], (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[*1], B. Reilly[1] and R. A. Bernier[2], (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[*1], D. B. Nicholas[2] and L. Zwaigenbaum[1], (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[*1], J. York[2], L. C. Lee[3] and A. W. Zimmerman[4], (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[*1], A. C. Freuler[2], J. H. Sideris[3] and G. T. Baranek[4], (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[*1] and A. Kapinos-Gorczyca[2], (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[*1], P. Johnston[1], K. Glaser[2], K. Lovell[3], D. G. Murphy[1] and M. R. C. AIMS Consortium[4], (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[*1], L. Berkovits[2], M. Sigman[3] and T. Hutman[4], (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[*1], R. Tuchman[2], E. R. Martin[1], K. L. Hamilton[1], H. H. Wright[3], R. K. Abramson[3], J. R. Gilbert[1], J. L. Haines[4] and M. A. Pericak-Vance[1], (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[*1], J. Munson[2], L. Tsui[3], D. Antovich[4], B. King[5] and G. Dawson[6], (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[*1], D. P. Wacker[2], S. D. Lindgren[2], T. G. Kopelman[2], J. F. Lee[3], Y. C. Padilla[3] and D. B. Waldron[2], (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[*1], W. Lopez-Martinez[2], D. C. Melchor Contreras[3], O. Nafate Lopez[2], H. Padilla-Amezcua[4] and L. Albores-Gallo[2], (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[*1] and S. H. Mostofsky[2], (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[*1], F. Martinez[2] and A. S. Carter[3], (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[*], 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[*1], J. Heathcock[1], D. Robson[2] and R. L. Young[2], (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[*1], A. Babb[2], Y. Zhang[3] and J. N. Constantino[3], (1)Washington University, St. Louis, MO, United States, (2)St. Louis, MO, (3)Washington University School of Medicine, Saint Louis, MO

<table>
<tr><td>2:00-4:00P</td><td colspan="3">IES: Imaging Genetics in ASD (Elizabeth Ballroom A-C Lvl 2)</td><td rowspan="4">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</td></tr>
<tr><td>2:00-4:00P</td><td>Oral Sessions: Medical, Psychiatric, and Behavioral Comorbidities (Elizabeth Ballroom D Lvl 2)</td><td>Oral Sessions: Interventions: Controlled Treatment Trials (Elizabeth Ballroom G-H Lvl 2)</td><td>Oral Sessions: Onset, Clinical Phenotype and Quantitative Traits (Douglas Pavilion A Lvl 1)</td></tr>
<tr><td>4:00-4:30P</td><td colspan="3">Break (Elizabeth Ballroom Foyer Lvl 2)</td></tr>
<tr><td>4:30-6:00P</td><td colspan="3">INSAR Awards Ceremony (Elizabeth Ballroom A-C Lvl 2)</td></tr>
<tr><td>6:00-8:00P</td><td colspan="4">Reception (Pool Deck Lvl 4)</td></tr>
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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[*1] and S. Y. Bookheimer[2], (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[*], Neurobiology, UCLA, Los Angeles, CA

3:00 106.003 Serotonin Transporter Genes. D. G. Murphy[*], 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[*], 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[*1], C. A. Molloy[2], S. J. James[3], C. Johnson[4], T. Clemons[5] and S. L. Hyman[6], (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.[*1] and P. J. Brice, Ph.D.[2], (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[*1], D. L. Coury[2], A. Loh[3], N. Sidhu[4] and T. Clemons[5], (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[*], Teaching Research Institute, Western Oregon University, Monmouth, OR

3:00 107.005 Autism Behavioral Pheotype and Health Across the Life Span. M. M. Seltzer[*], 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[*1], S. G. McGrew[2], A. L. Richdale[3], T. Clemons[4] and B. A. Malow[1], (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[*1], L. Kalb[1], T. E. Clemons[2], B. H. Freedman[1], A. Keefer[3], S. M. Kanne[4], M. O. Mazurek[5] and D. Murray[6], (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[*1], A. M. Estes[2], M. Murias[3], S. J. Webb[4], J. Munson[3], B. King[5] and G. Dawson[6], (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

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[*1], A. B. Ratto[2], B. M. Rupp[2] and D. L. Penn[2], (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[*1], J. Magill-Evans[2] and J. Volden[3], (1)Glenrose Rehabiliation Hospital, Edmonton, AB, Canada, (2)Occupational Therapy, University of Alberta, Edmonton, AB, Canada, (3)University of Alberta, Edmonton, AB, Canada

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[*1], R. Ellingsen[2], S. Bates[3], A. Baron[4], C. Koeffler[3] and J. S. Sanderson[5], (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[*1], M. B. Minjarez[2], K. L. Berquist[1], J. M. Phillips[1], T. W. Frazier[3] and A. Y. Hardan[1], (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[*1] and D. Kamps[2], (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[*1], D. Mataix-Cols[2], A. Jassi[3], M. Fullana[4], H. Mack[5], K. Johnston[6] and D. G. Murphy[7], (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[*1], S. Odom[2] and K. Baggett[3], (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[*1], L. K. Fung[2], R. A. Libove[1], T. V. Obukhanych[3], S. Nair[4], T. W. Frazier[5], L. Herzenberg[3] and R. Tirouvanziam[6], (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
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 Symptomotology. K. Sullivan[*1], J. Gerdts[2] and R. A. Bernier[3], (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[*1], A. M. Iosif[2], G. S. Young[3], S. Hepburn[4], M. R. Thompson[5], C. Colombi[6], E. Werner[7], S. Goldring[1], F. Baguio[1], I. Cook[1] and S. J. Rogers[1], (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, Anscutz 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[*1], L. Chen[1], F. Shic[2], A. Klin[3], J. Chang[1] and K. Chawarska[2], (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[*1], S. Jilderda[1], J. Brian[2], W. Roberts[2,3], I. M. Smith[4], S. E. Bryson[4], A. Niccols[5], P. Szatmari[6], T. Vaillancourt[7] and L. Zwaigenbaum[8], (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[*1,2], I. L. J. Noens[2,3,4], J. Luts[5], E. M. Scholte[6], S. Van Huffel[2,5] and J. Steyaert[1,2,7], (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[*1,2], A. Duda[3], N. Coggins[3], R. Droms[3], M. Galdston[3], A. Gates[3], S. Kleinfelder[3], J. A. Lomibao[3], R. J. Luyster[4], D. Stein[5], R. Travolta[3], B. Winklosky[3] and S. L. Santangelo[3,6], (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[*1], W. Thompson[2], D. Rosario[3], L. Lopez[3], C. Carter[3], M. Weinfeld[3], S. Spendlove[3], N. Schork[4], E. Courchesne[3] and K. Pierce[3], (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[*1] and P. A. Law[2], (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. Bonneh[*1], S. Romani[2], Y. Adini[3] and M. Tsodyks[2], (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[*1], F. Crespo[2], G. R. Fernandez[3], L. L. Sears[4], P. G. Williams[4] and M. F. Casanova[5], (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, Lousiville, 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[*1], L. Ji[2] and A. Chauhan[2], (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[*1], K. Yang[1], A. Sheikh[1], M. Malik[2], G. Y. Wen[1], K. Chadman[1], Y. Yu[3], W. T. Brown[4] and X. Li[1], (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 á-Catenin In the Glial Cells of Autistic Brain and Its Possible Effect on Glial Cell Development and Functions. A. Sheikh[*1], X. Li[2], Z. Tauqeer[1], M. Malik[3], A. Nagori[1], G. Y. Wen[1] and W. T. Brown[4], (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. Fahnestock[*1,2], K. L. Garcia[1], G. Yu[1], B. Michalski[1], D. J. Garzon[1], V. S. Chiu[3], E. Tongiorgi[4] and P. Szatmari[5], (1)Psychiatry & Behavioural Neurosciences, McMaster University, Hamilton, ON, Canada, (2)Dept. of Biology, McMaster University, Hlamilton, 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[*1], M. Pauly[1], S. Melnyk[1], P. A. Stewart[2], B. L. Schmidt[2], N. Lemcke[2], A. M. Reynolds[3], C. A. Molloy[4], C. Johnson[5], T. Clemons[6] and S. L. Hyman[7], (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[*1], R. Tirouvanziam[2], J. Laval[2], P. A. Aronov[3], R. A. Libove[4], A. Goswami[4], K. J. Parker[4], R. O'Hara[4], L. Herzenberg[1], L. Herzenberg[1] and A. Y. Hardan[4], (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[*1], R. A. Libove[1], S. A. Hyde[1], K. B. Hornbeak[1], K. W. Yuen[1], C. S. Mich[1], N. C. Ray[2], S. S. Shen-Orr[3], J. M. Phillips[4] and A. Y. Hardan[1,4], (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[*1], S. Malcolm-Smith[2], M. Robberts[1] and K. Thomas[1], (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[*], 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[*], 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[*1], S. Melnyk[1], G. J. Fuchs[2], M. Lopez[1], S. Kahler[2], J. Fussell[1], L. Seidel[1], O. Pavliv[1] and B. J. Bellando[1], (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. Klauck[*1], A. Chiocchetti[1], D. Haslinger[2], J. Kellermann[3], E. Duketis[4], S. Wiemann[1], F. Poustka[4], F. Lottspeich[3] and L. Breitenbach-Koller[2], (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[*], M. I. Waly, Y. Y. Al-Farsi and M. M. Al-Sharbati, Sultan Qaboos University, Muscat, Oman

1:00 16 110.016 Elevated Leptin and Reduced Adiponectin Levels In Omani Autistic Children. M. E. Mohamed-Musthafa[*1,2,3], G. J. Guillemin[2], M. I. Waly[4], A. Ali[5], Y. Y. Al-Farsi[5], M. M. Al-Sharbati[5], N. Braidy[2] and M. Al-Shafaee[5], (1)Muscat, Sultan Qaboos University, Oman, Sultanate of Oman, 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[*], M. M. Al-Sharbati, 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[*1], P. Duncanson[1], R. Boyce[1], P. Ashwood[2], D. B. Campbell[3] and J. Van de Water[1], (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[*1], T. Audhya[2] and V. Chauhan[3], (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[*], 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 Cyfip1, a Protein Involved In 15q Duplication Region, Regulated Neuron Morphological Changes Through the Translational Cascade. A. Oguro-Ando[*1], C. Rosensweig[1], D. Werling[2], J. Bomar[2], Y. Nishimura[3], B. S. Abrahams[4], E. Herman[1], H. Dong[1] and D. H. Geschwind[5], (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[*], 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[*1], A. Oyabu[1], T. Ohkawara[1], Y. Tashiro[1], N. Narita[2] and M. Narita[1], (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[*], 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[*1] and P. Jukkola[2], (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[*1,2], Q. Li[3], E. X. Wu[4] and C. Cheung[5], (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[*1], Y. Kajiwara[1], K. Tsang[2], K. C. Sadler[3] and J. D. Buxbaum[1], (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 Neuroligin Rescues the Oxidative Stress Phenotype of C. Elegans Neuroligin-Deficient Mutants. J. B. Rand[*1,2,3], G. P. Mullen[1], E. A. Mathews[1], J. W. Hunter[1,3] and J. M. Heatherly[1,2], (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[*] 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[*1], D. Amodeo[1], J. Jones[1] and J. A. Sweeney[2], (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*, 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*, Moreno Valley, CA

3:00 33 110.033 Measuring Social Motivation In Mice Using Novel Operant Conditioning Paradigms. L. A. Martin*, 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[*1], M. Samms-Vaughan[2], K. A. Loveland[3], E. Boerwinkle[4], J. Bressler[5], D. A. Pearson[6], S. Pellington[7], C. Beecher[8], M. L. Grove[9], M. Ardjomand-Hessabi[10] and K. Bloom[10], (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[*1,2], S. L. Santangelo[3] and A. Ascherio[4], (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* 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[*1,2], A. Bakian[1], R. Larson[1], R. Satterfield[3] and W. M. McMahon[2], (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[*1], L. C. Lee[1], C. K. Walker[2], R. L. Hansen[3], S. Ozonoff[3] and I. Hertz-Picciotto[4], (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[*1], M. J. Will[1], C. Giesing[1], P. M. Hecht[1], C. L. Parker[1] and D. Q. Beversdorf[2], (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[*1], E. Jokiranta[2], A. Partanen[2], K. M. Lampi[3], I. W. McKeague[4], A. Sourander[5] and A. S. Brown[6], (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[*1], R. A. Libove[2], J. M. Phillips[3], A. A. Penn[4], K. J. Parker[2] and A. Y. Hardan[2], (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[*1], P. Krakiowiak[2], A. S. Baker[3], R. L. Hansen[4], S. Ozonoff[5] and I. Hertz-Picciotto[6], (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[*1], A. Partanen[2], P. N. Banerjee[3], A. S. Brown[4] and A. Sourander[1], (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*, M. M. Al-Sharbati, M. I. Waly, O. A. Al-Farsi, M. Al-Shafaee 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[*1], T. W. Soto[2], M. Maye[3] and A. S. Carter[4], (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[*1], R. L. Hansen[2,3], J. Hartiala[4], H. Allayee[4], L. C. Schmidt[5], F. Tassone[5] and I. Hertz-Picciotto[1], (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[*], 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[*1] and E. Ben Itzchak[2], (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[*1], L. C. Lee[1] and C. N. Kaufmann[2], (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[*1], J. A. Green[2], S. Dowd[3], D. Granpeesheh[4], J. Tong[5] and P. H. Summanen[5], (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[*1] and A. J. Lincoln[2], (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 Changepoints to Proposed Environmental and Sociologic Causes. M. LaMadrid[*], 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[*] 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[*1] and O. Solomon[2], (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[*1], S. McGhee[1], S. Leinert[1], M. Herzog[1] and J. P. Stichter[2], (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[*], 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[*1] and P. Shattuck[2], (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[*1] and B. Hemo[2], (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[*1], S. Pettygrove[2] and C. M. Cunniff[3], (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[*1], L. A. Carpenter[2], L. B. King[2], W. Jenner[2] and J. Charles[2], (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[*], 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[*1], J. S. Nicholas[2], L. A. Carpenter[2], J. Charles[2] and L. B. King[2], (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[*1], C. E. Rice[1], M. Yeargin-Allsop[1], C. A. Boyle[1], M. D. Kogan[2], C. Drews-Botsch[3] and O. Devine[1], (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[*1], J. Grether[2], E. Trevathan[3], R. L. Hansen[4], L. A. Croen[5], K. Ssebeyla[6], K. S. Smith[2], S. Kiguli[7] and C. Karamagi[8], (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[*1] and K. Munir[2], (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[*1], T. A. Perez[2], K. C. Guest[3] and S. E. O'Kelley[4], (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[*1], R. Oti[1], A. Bohlander[1], Y. Nelson[1] and F. Orlich[2], (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[*], 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[*1], C. M. Cunniff[2], E. Giarelli[3], L. C. Lee[4], J. S. Nicholas[5], C. E. Rice[6], L. A. Schieve[6], M. S. Wingate[7] and M. S. Durkin[8], (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[*1], C. A. Cheely[2], J. S. Nicholas[1], J. Charles[1], W. Jenner[1] and L. B. King[1], (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[*1], J. Campbell[2] and J. Donald[1], (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[*1], J. Shenouda[2,3], P. Khandge[2], S. Mahabir[4], R. Baltus[5], N. Scotto-Rosato[6], S. Howell[6] and W. Zahorodny[7], (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[*1], L. B. King[2], E. J. Letourneau[3], J. S. Nicholas[2], J. Charles[2], W. Jenner[2] and L. A. Carpenter[2], (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[*1] and I. A. van Berckelaer-Onnes[2], (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[*1], J. S. Nicholas[2], L. B. King[2], L. A. Carpenter[2] and J. Charles[2], (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[*1], L. Kalb[2], B. H. Freedman[2] and L. C. Lee[3], (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[*1], O. M. Ghoneim[1], M. S. Al Ismail[2], S. A. Hayder[2], A. L. Sandridge[3], I. Shaffeeullah[4] and F. T. Al-Rawi[5], (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[*1] and J. S. Miller[2], (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[*] 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[*1], V. A. Chaidez[2], E. Fernandez y Garcia[3], P. Krakowiak[4], I. Hertz-Picciotto[2] and R. L. Hansen[1], (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[*1] and M. C. Teixeira[2], (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 Validitating ASD Instruments for Use In Screening and Prevalence Studies. F. Scott[*1], T. S. Brugha[2], J. Bankart[3] and J. Smith[3], (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[*1], K. Knoch[1], J. Green[1], M. Barton[2], T. Dumont-Mathieu[1] and D. A. Fein[1], (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[*1], L. E. Herlihy[1], D. L. Robins[2], M. Barton[3] and D. A. Fein[3], (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[*1], P. F. M. Molina[2], A. Narzisi[3] and F. Muratori[4], (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[*], 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[*1], E. Judd[2], L. Eversmeyer[2], D. Swann[2], P. Deutsch[2], C. Guild[3], N. Tamirisa[2], M. W. Baig[2], S. Stewart[4], A. Nay[4], T. Maxim[2], H. Klein[2] and E. S. Armbrecht[3], (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[*1], K. C. Guest[2], M. K. McCalla[3], M. Wojnaroski[4], K. J. Bailey[5], E. M. Griffith[6] and F. J. Biasini[2], (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[*1], V. E. Watson[2], R. Tucker[2], S. J. Sheinkopf[1] and B. R. Vohr[1], (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[*1], M. Bresnahan[2], A. S. Oyen[3], M. Hornig[2], H. Aase[4], N. Gunnes[5], N. Stenberg[6], P. Surén[7], P. Eadie[8], K. K. Lie[9], C. Roth[10], E. H. Alsaker Roti[11], T. Reichborn-Kjennerud[12], E. Susser[2], P. Magnus[7], W. I. Lipkin[2] and C. Stoltenberg[7], (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[*1], S. E. O'Kelley[2], M. Wojnaroski[3], M. K. McCalla[4] and F. J. Biasini[1], (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[*] 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[*1], Q. Humberd[2] and Z. Warren[3], (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[*], 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[*1], L. C. Zaqueu[2] and M. C. Teixeira[3], (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[*1], Y. Zhang[2] and J. N. Constantino[2], (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[*1], A. J. Freeman[2], J. Kogos Youngstrom[2], T. W. Frazier[3], R. Findling[4] and E. A. Youngstrom[5], (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[*], 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[*1] and B. A. Benson[2], (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[*1], A. A. Vinkhuyzen[2,3], H. H. Maes[4], S. van der Sluis[3] and D. Posthuma[5,6], (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[*], 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[*1] and R. E. Frye[2], (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[*1], L. Rozenblit[2] and D. Voccola[3], (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[*1], H. Lee[2], J. Nestle[1], J. N. Constantino[3], C. Anderson[1], T. Zandi[1], E. Yahudah[1], S. S. Marvin[1], J. K. Law[1], P. A. Law[1] and S. F. Nelson[2], (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[*1], D. Hall[2], L. Tatarov[3], M. McAuliffe[4] and M. F. Huerta[5], (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[*], 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[*1] and R. Hundley[2], (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[*1], E. Wilson[2], C. M. Murphy[3], M. J. Doyle[4], D. Spain[5], C. Ecker[6], E. Daly[7] and D. G. Murphy[6], (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[*1], R. A. Mar-Heyming[1], S. J. Spence[2], R. M. Cantor[3] and D. H. Geschwind[1], (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[*1], B. R. Peters[2], J. A. Crittendon[1] and J. Veenstra-VanderWeele[3], (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[*1], N. K. Jamison[1], K. Taylor[2], R. J. Robison[3], P. Wilson[3], T. Newton[1], S. van Tassell[4], O. Johnston[5], M. Christensen[4], J. D. Higley[4] and M. South[1,4], (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[*1], J. E. Cleary[2], V. Brewer[3], K. A. McVicar[4], E. Pivnick[3] and L. Reiter[5], (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[*1], I. Voineagu[2], R. A. Mar-Heyming[2], J. Ou[3] and D. H. Geschwind[4], (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[*1], A. Ard[2], M. LaMadrid[3] and T. A. Deisher[3], (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[*1], R. J. Robison[2], M. J. Larson[1,3], P. Wilson[2], O. Johnston[4] and M. South[1,3], (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[*1], H. Coon[2], E. H. Cook[3], D. Cannon[2], M. Hobbs[4], D. Wilkins[5], R. J. Robison[6] and W. M. McMahon[7], (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[*1], R. Siburian[2], S. Haddad[2], M. Ghadami[3], A. Tolouei[4] and S. L. Santangelo[5], (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[*1], V. Bansal[2], R. Tewhey[3], G. Oliveira[2], C. Ahrens-barbeau[4], S. Murray[2], E. Topol[2], K. Pierce[5], E. Courchesne[5] and N. Schork[6], (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[*1], N. Schnetz-Boutaud[2], B. M. Anderson[1], K. Brown-Gentry[1], H. H. Wright[3], R. K. Abramson[3], M. L. Cuccaro[4], J. R. Gilbert[4], M. A. Pericak-Vance[5] and J. L. Haines[6], (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*[1], B. L. Butler[1], H. H. Wright[2], R. K. Abramson[2], J. L. Haines[3], M. L. Cuccaro[4], J. R. Gilbert[4] and M. A. Pericak-Vance[1], (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*[1], M. Aldosari[2], A. Almuslamani[2], A. Adi[1], D. S. Khalil[1], N. Abu-Doheim[1], M. Nester[2], M. Ghannam[1], B. F. Meyer[1] and N. Al Tassan[1], (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*, 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*[1], M. Echegaray[2], R. E. Oliveras-Rentas[3], L. Deliz-Bauza[4], S. F. Acevedo[5], M. S. Collazo[6], S. Carlo[7], L. Alvarado[8], V. Velazquez[8], X. Negroni[8], Y. Hernandez[8] and M. Vazquez-Correa[9], (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*[1], J. Wang[1], X. Liu[1], Q. Ayub[2], X. Wang[1], C. Tyler-Smith[2], L. Wu[1] and Y. Xue[2], (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*, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

2:00 126 110.159 Latino Families' Daily Experiences with Children with ASD. E. Blanche*[1] and S. A. Cermak[2], (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*[1], J. J. Locke[2], E. Rotheram-Fuller[3] and C. Kasari[2], (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*[1], M. V. Gwaltney[1], N. V. Hatt[1], B. E. Seymour[1], N. McIntyre[1], M. Solomon[1,2], S. Ozonoff[1] and P. C. Mundy[1], (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* and M. Shiffrar, 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*, L. E. Bahrick 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*[1], A. B. de Marchena[2], J. A. Gillard[1], A. M. Nardone[1] and I. M. Eigsti[2], (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*, 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*, University of Strahclyde, Glasgow, United Kingdom

1:00 134 110.167 Inner Speech and Self Ordered Pointing Performance In Autism Spectrum Disorder. P. Tok* 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*[1], A. R. Neal[1] and T. Wells[2], (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*, 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* 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*[1], W. Jones[2] and A. Klin[2], (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*, 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*[1,2], K. Van Leeuwen[1], H. Boonen[1,2], B. Maes[1] and I. Noens[1,2,3], (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*[1], S. Begeer[2], A. M. Scheeren[3] and H. M. Koot[3], (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*[1], K. Strapps[2] and S. A. Johnson[3], (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* 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* 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*[1] and S. F. Huang[2], (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*[1], P. A. McGrath[2], A. Oh[2], M. J. Taylor[3] and W. Roberts[4,5], (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*[1], C. Chevallier[2], J. Grèzes[3] and F. Ramus[4], (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*[1] and J. Perissinoto[2], (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* 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*[1], A. M. Estes[2], J. N. Greenson[3], J. Munson[3], J. Winter[4], S. E. Zebrowski[5] and G. Dawson[6], (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*, 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*, 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*[1,2], S. Menon[3], M. R. Swanson[4,5] and M. J. Siller[6,7], (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 Univerity 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*, 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[*], 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[*1] and I. M. Eigsti[2], (1)University of Connecitcut, 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[*1], E. D. Bigler[2], N. Lange[3], A. L. Alexander[4], A. Froehlich[5], M. B. DuBray[6], J. R. Cooperrider[7] and J. E. Lainhart[8], (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[*1], L. Bradstreet[2], B. Bookman[3], D. Beck[4], K. Yoshida[5] and A. Mayer[1], (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[*1], M. Murin[1], W. Mandy[2] and D. H. Skuse[3], (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[*1], W. Jones[2], A. Klin[2] and G. Ramsay[2], (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[*1], E. Fombonne[2] and E. Gisel[3], (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[*], 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[*1], D. Campbell[2], F. Shic[1], J. Chang[2] and S. Macari[1], (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[*] 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[*], 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[*1], E. M. Sokhadze[2], L. L. Sears[3] and M. F. Casanova[2], (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[*1], H. A. Henderson[2] and D. S. Messinger[2], (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[*1], S. Faja[2], J. Tiwana[1] and M. Murias[3], (1)University of Washington, Seattle, WA, (2)University of Washington, Seattle , (3)University of Washington, Seattle, WA

2:00 169 110.063 Cortical Inhibition and GABAergic Function In Autism Spectrum Disorders. P. G. Enticott[*1], H. A. Kennedy[1], N. J. Rinehart[1], B. J. Tonge[1], J. L. Bradshaw[1] and P. B. Fitzgerald[2], (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[*1], M. W. Mosconi[2], M. E. Ragozzino[2], E. H. Cook[3] and J. A. Sweeney[2], (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[*1], H. Bharadwaj[2] and M. R. Herbert[3], (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[*1], V. Sloutsky[2] and A. E. Lane[3], (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[*1], D. Padden[2], P. Kuhl[2] and A. M. Estes[3], (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[*1], L. Hawkins[2], A. Law[3], T. Hutman[1], S. P. Johnson[3] and S. S. Jeste[1], (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[*1], P. E. Clayson[1], M. J. Larson[1,2], O. Johnston[3] and M. South[1,2], (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[*], 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[*1] and D. M. Bowler[2], (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[*1], K. Sullivan[1], M. Murias[2] and R. A. Bernier[2], (1)University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA

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[*], 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[*1], T. T. Muzorewa[2], S. E. Christ[3], D. Q. Beversdorf[4], T. N. Takahashi[5], J. H. Miles[6] and G. Yao[2], (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

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[*1,2], T. A. Stroganova[1,2], E. V. Orekhova[3], M. M. Tsetlin[1,4], V. V. Gratchev[5], A. A. Morozov[6] and Y. V. Obukhov[7], (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[*1], J. M. Baruth[2], A. S. El-Baz[3], L. L. Sears[4] and E. M. Sokhadze[1], (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[*1], S. Molholm[2], A. C. Snyder[3], A. B. Brandwein[4], N. N. Russo[2], H. Gomes[5] and J. J. Foxe[2], (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[*1], J. J. Foxe[2], H. Gomes[3], A. B. Brandwein[4], T. S. Altschuler[5,6] and S. Molholm[7], (1)Pediatrics, Albert Einstein College of Medicince, 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: 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[*1], A. S. El-Baz[2], L. L. Sears[3], J. M. Baruth[4], E. M. Sokhadze[5] and M. F. Casanova[5], (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[*], 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[*1,2], O. Tudusciuc[3], D. Neumann[3], A. N. Mamelak[4], A. C. Heller[5], I. B. Ross[5] and R. Adolphs[3], (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[*], 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[*1], K. M. Venema[1], K. Ankenman[2], J. Gerdts[1], R. A. Bernier[3], E. M. Wijsman[3] and S. J. Webb[1], (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[*], 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[*1], J. W. Bodfish[2], N. J. Sasson[3,4], J. Franklin[5], S. D. Benning[6] and G. S. Dichter[7,8], (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[*1], T. Newton[2], A. Clawson[3], N. K. Jamison[2], M. J. Larson[2,4] and M. South[2,4], (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[*1], R. A. Bernier[2], D. Perszyk[3], A. Naples[3], A. Fogel[4] and J. McPartland[3], (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[*1], T. J. Perkins[2], J. A. McGillivray[2], J. A. Manjiviona[3], R. Bittar[4] and D. Kidgell[5], (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[*1], E. Otte[2], I. Koch[3], B. Herpertz-Dahlmann[4] and K. Konrad[5], (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 Adsolescent 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[*1] and M. K. Belmonte[2], (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[*1], A. Scarpa[2], B. H. Friedman[1] and S. W. Porges[3], (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[*1], W. Sato[2] and M. Toichi[3], (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

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 iPS 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.

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 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*, 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*, Waisman Center, University of Wisconsin-Madison, Madison, WI

10:45 112.004 Validitating ASD Instruments for Use In Screening and Prevalence Studies. F. Scott*, Autism Research Centre, Cambridge, United Kingdom

11:15 112.005 Outcomes and Needs In Mid-Later Adulthood. P. Howlin*, Psychology, Institute of Psychiatry, King's College London, London, United Kingdom

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*[1], C. A. Erickson[2], M. Early[3], K. A. Stigler[2] and C. McDougle[4], (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[*1], C. W. Santos[1], M. G. Aman[2], L. E. Arnold[2], C. D. Casat[3], K. A. Loveland[1], R. Mansour[1], D. Lane[4] and S. Ezzell[1], (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[*1], J. Ballard[2], A. de Bildt[3], M. Thompson[4], S. Stephens[5], C. M. Johnson[6], J. Palilla[7] and M. South[1,8], (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[*1] and S. M. Kanne[2], (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[*1], A. Cummings[2], J. Dunn Geier[3], N. L. Freeman[4], S. Hughes[5], T. Managhan[6], J. A. Reitzel[7] and J. Williams[8], (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[*], 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[*] 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[*1], J. A. Richards[1] and D. Xu[2,3], (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[*1], I. Kuchna[1], K. Nowicki[1], S. Y. Ma[1], J. Wegiel[1], J. Frackowiak[1], B. Mazur- Kolecka[1], E. Marchi[1], I. L. Cohen[2], E. London[2], W. T. Brown[3] and T. Wisniewski[1], (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[*1,2,3], W. De la Marche[4,5], I. Noens[3,6,7], E. M. Scholte[8], H. Peeters[3,9] and K. Devriendt[3,9], (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[*1], S. Cleveland[1], A. Torres[1], J. M. Phillips[1], B. Cohen[2], A. Fedele[3], T. Torigoe[2], J. Collins[4], K. S. Smith[5], L. Lotspeich[1,5], L. A. Croen[4], S. Ozonoff[6], C. Lajonchere[7], J. K. Grether[7], N. Risch[8] and J. Hallmayer[1], (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[*1], A. M. Addington[2] and A. Hyman[1], (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[*1], A. J. Griswold[1], H. N. Cukier[1], J. Jaworski[1], L. D. Nations[1], D. Salyakina[1], M. A. Schmidt[1], I. Konidari[1], P. Whitehead[1], H. H. Wright[2], R. K. Abramson[2], E. R. Martin[1], J. L. Haines[3], J. R. Gilbert[1], M. L. Cuccaro[1] and M. A. Pericak-Vance[1], (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[*1], I. L. Coman[1], F. A. Middleton[1], K. M. Antshel[1], W. Fremont[1], R. J. Shprintzen[1], B. E. Morrow[2] and W. R. Kates[1], (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[*1], S. Buyske[2] and E. S. Stenroos[3], (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[*1], S. Sajan[2], L. Fernandez-Betancourt[3], J. Glessner[4], H. Hakonarson[5] and W. B. Dobyns[6], (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

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[*], 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[*1], E. Jones[2], K. M. Burner[2], C. Robertson[1], R. Edwards[1], A. Tattersall[1] and G. Dawson[3], (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[*1], J. B. Wagner[1], V. Vogel-Farley[2], H. Tager-Flusberg[3] and C. A. Nelson[1], (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

10:30 115.004 Social and Attention Factors During Infancy and the Later Emergence of Autism Characteristics. M. Elsabbagh[*1], K. Holmboe[2], E. Mercure[3], T. Gliga[1], K. Hudry[4], T. Charman[5], S. Baron-Cohen[6], P. Bolton[7], M. H. Johnson[8] and The BASIS Team[9], (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[*1], S. Y. Khan[1], K. Cannon[1], S. Qasmieh[1], L. Blaskey[2], L. A. Cornew[1] and T. P. L. Roberts[1], (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[*1], P. Vannasing[2], M. McKerral[2], A. Bertone[3], M. Lassonde[2] and L. Mottron[1], (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[*1], B. A. Malow[2,3], J. Paolicchi[4], K. Adkins[3] and P. Howard[5], (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[*1,2], E. Chevrier[1], L. Mottron[3,4,5] and R. Godbout[1,6,7], (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, Universite de Montreal, Montreal, QC, Canada, (7)7070 Boul. Perras, Sleep Laboratory & Clinic, Montreal, QC, Canada

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*[1], M. McAuliffe[2], M. Dimitrov[3], S. Novikova[4], G. Navidi[5], E. Stanton[4], M. P. Freund[6] and M. F. Huerta[7], (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. Rozenblit*[1], A. Voronoy[1], M. Peddle[1], D. Voccola[1], C. C. Evans[1] and S. B. Johnson[2], (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*[1], R. Sasanfar[2,3], J. O'Rourke[1], J. Teraiya[1], S. Koduru[1] and D. L. Pauls[4], (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*[1], F. Le Deist[2] and J. P. Raynaud[3], (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*[1] and R. Oberleitner[2], (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*[1], K. E. Pelzel[2], D. P. Wacker[3], S. D. Lindgren[3], Y. Padilla[4], J. F. Lee[5] and D. B. Waldron[3], (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*[1] and S. Toth-Cohen[2], (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*[1] and B. Ingersoll[2], (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*[1], W. L. Stone[2], O. Ousley[3] and K. A. Kobak[4], (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*[1], J. H. McGrew[2] and R. Johnson[1], (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*[1], D. R. Dixon[2] and J. Tarbox[2], (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*, 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*[1,2] and S. Parsons[1,2], (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*, 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*[1], J. Constant[2], J. C. Martin[3], J. Simonin[4] and J. Nadel[5], (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*[1], Z. Warren[2] and N. Sarkar[1], (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[*1], A. Alcorn[2], H. Pain[2], T. Smith[3], O. Lemon[4], K. Porayska-Pomsta[5], M. E. Foster[4] and C. Frauenberger[6], (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[*], Schenectady, NY

19 116.162 Results of An RCT of FaceSay In Public Elementary Schools. C. Wimsatt[*], Symbionica, LLC, San Jose, CA

20 116.163 Rachel: A Data Collection Paradigm for the Quantitative Assessment of Children's Speech Patterns. E. Mower[*1], M. P. Black[2], M. E. Williams[3] and S. S. Narayanan[4], (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[*1], S. Faja[2], E. N. Madva[1], S. J. Cayless[1], S. Zayat[1], W. C. Longmire[1], J. S. Miller[1] and R. T. Schultz[1], (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[*1], C. Lathan[2], C. Samango-Sprouse[3] and M. Michalowski[4], (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[*] 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[*1,2], U. Lahiri[2,3], J. A. Davidson[2,4], Z. Warren[2,4] and N. Sarkar[2,3], (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[*1], A. Whitaker[1], J. F. Feldman[2], K. J. Hoyte[2], M. Algermissen[2], M. McSwiggan-Hardin[1], S. Goh[3] and B. Peterson[4], (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[*1], L. Lara-Brady[2], M. Rearick[3] and K. MacDonald[1], (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[*1] and R. W. Picard[2], (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[*1] and G. Iarocci[2], (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[*1] and M. H. Charlop[2], (1)Claremont Graduate University, Claremont, CA, (2)Claremont McKenna College, Claremont, CA

30 116.173 Animated Visual Supports for Social Skills. J. Ehrlich[*1] and S. Smith[2], (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[*], 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[*1], M. S. Goodwin[2] and R. W. Picard[3], (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[*1], R. W. Picard[1], R. E. Kaliouby[1], B. A. Malow[2] and S. E. Goldman[2], (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[*1], F. Albinali[1], D. Aube[2] and S. S. Intille[1], (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[*1], L. E. Boyd[2], W. Roxas[3], D. H. Nguyen[4] and G. R. Hayes[4], (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[*1], J. Gilkerson[2] and J. A. Richards[3], (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[*1], N. Dorn[2] and L. Hebert[3], (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[*1], D. Bone[1], T. Chaspari[1], A. Tsiartas[1], P. Gorrindo[2], M. E. Williams[3], P. Levitt[2] and S. S. Narayanan[1], (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[*1], J. Colombo[2] and N. Brady[3], (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[*], M. Rolland and A. Masse, Neurodevelopmental Program, Riviere des Prairies Hospital, Montreal, QC, Canada

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[*1], R. Xu[2], X. P. Hou[3], J. Wegiel[4] and P. Whitaker-Azmitia[5], (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[*] 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[*1], B. Mazur-Kolecka[1], I. Kuchna[1,2], K. Nowicki[1], W. T. Brown[3] and J. Wegiel[1], (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 Disabilites, Staten Island, NY, (3) Human Genetics, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY

9:00 44 116.004 Defects of Cholinergic Neurons Development In Autism. K. Nowicki[*1], I. Kuchna[1], S. Y. Ma[1], J. Wegiel[1], H. Imaki[1], I. L. Cohen[2], E. London[2], M. J. Flory[3], W. T. Brown[4], T. Wisniewski[1] and J. Wegiel[1], (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[*1], I. Kuchna[1], K. Nowicki[1], J. Wegiel[1], H. Imaki[1], I. L. Cohen[2], E. London[2], M. J. Flory[3], W. T. Brown[4], T. Wisniewski[1] and J. Wegiel[1], (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[*], 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[*1], H. Imaki[1], K. Nowicki[1], S. Y. Ma[1], J. Wegiel[1], I. L. Cohen[2], E. London[2], M. J. Flory[3], W. T. Brown[4], T. Wisniewski[1] and J. Wegiel[1], (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 - 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[*1], D. Oppenheim[2], N. Koren-Karie[3] and N. Yirmiya[4], (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[*1], D. Bilder[2], H. Coon[3], W. M. McMahon[4] and R. Nelson[5], (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[*1], L. K. Koegel[1], H. Taras[2], R. L. Koegel[3] and W. Frea[4], (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[*1], S. C. Marcus[2] and D. S. Mandell[3], (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[*1] and N. Yirmiya[2], (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[*1], J. Harris[2] and G. Cable[3], (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[*1], Y. M. Janvier[2] and G. Cable[3], (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[*1], N. Akshoomoff[2], K. Nguyen Williams[2], G. Cerda[2] and L. I. Brookman-Frazee[2], (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[*1,2], B. P. Humphreys[3], C. McComish[4], L. R. Watson[2], G. T. Baranek[2], J. S. Reznick[5], R. Christian[6] and M. Earls[7], (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[*1], B. Boyd[1], M. McBee[1], K. Hume[2] and S. Odom[3], (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[*1], S. Robinson[2], J. A. Weiss[1] and Y. Lunsky[2], (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[*1] and T. S. Falkmer[2], (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[*1,2], M. Tsujii[3], I. Tani[2] and H. Ito[4], (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[*], 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[*], 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[*], Self, San Jose, CA

10:00 64 116.095 Cross-Cultural Comparisons of Social Expectations of Individuals with Autism. F. A. Boujarwah[*1], N. Nazneen[2], H. Hong[3], G. D. Abowd[4] and R. Arriaga[4], (1)Georgia Institute of Technology, HSI, Atlanta, GA, (2)Georgia Institute of Technology, Atlanta, GA, (3)Georgia Institute of Technology, Atlanta, (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[*], 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[*1], N. Kheir[2], S. A. Hayder[3], M. S. Al Ismail[3], A. L. Sandridge[4], I. Shaffeeullah[5] and F. T. Al-Rawi[6], (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[*1], J. Wang[2], X. Zhou[2], W. Xia[2], C. Sun[2] and J. Wang[3], (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[*1] and J. Ashburner[2], (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[*], 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[*1], D. Trembath[2], J. Arciuli[1] and L. Togher[1], (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[*1], N. Mochizuki[2], I. Tani[3], F. Someki[3] and M. Tsujii[4], (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[*1], S. Nakajima[2], I. Tani[3], F. Someki[3] and M. Tsujii[4], (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[*1], I. Tani[2], H. Ito[3] and F. Someki[2,4], (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[*1], R. K. Abramson[1], E. E. Wilkinson[1], A. Kinsman[2], D. P. Kelly[3] and H. H. Wright[1], (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[*1], V. Martin-Cilleros[2], L. Herraez[2], Z. Guisuraga[2], M. Herraez[2], J. Santos[2], P. Garcia-Primo[3] and M. Posada[4], (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[*1], M. J. Clark[1], W. A. Mayfield[2], A. R. Marvin[3] and J. K. Law[3], (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[*1], J. E. Farmer[2], W. A. Mayfield[3], J. K. Law[4] and A. R. Marvin[5], (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[*1], J. H. Awad[1], D. T. Isawi[1] and M. Elsabbagh[2], (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[*1], D. B. Nicholas[2], M. Clarke[1], B. Beingessner[1] and W. Roberts[3], (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[*1], R. Arriaga[2], D. M. Swartzwelder[1], N. Nazneen[3], G. D. Abowd[2] and N. A. Call[1], (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[*], 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[*1], A. Faherty[1] and R. J. Landa[2], (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[*1], J. Ruttenberg[2], A. Hanlon[1] and A. Segal[1], (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[*1], J. Dykstra[1], L. R. Watson[1], B. Boyd[1], E. R. Crais[1], G. T. Baranek[1], T. W. Lenhardt[1] and S. Flagler[2], (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[*1], M. N. Gragg[1], R. T. Miceli[2], A. M. Mullins[1], A. J. Beneteau[1] and A. L. Tiede[1], (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[*] 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[*1], S. B. Johnson[2], J. K. Law[3], L. Green Snyder[4], L. C. White[4], D. Voccola[5], C. Anderson[3], C. W. Atwell[6] and P. A. Law[3], (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[*1] and S. Magana[2], (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[*1], D. S. Mandell[2] and S. C. Marcus[3], (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[*1], K. Hottinger[1], R. M. Seijo[1] and M. D. Valicenti-McDermott[2], (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[*], University of California, San Diego, San Diego, CA

10:00 92 116.123 Multi-Media Social Skills Intervention for Adolescents. M. Murray[*], 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[*1], W. L. Stone[2], L. Wallace[3], A. Swanson[3], K. Robson[4] and K. A. Kobak[4], (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[*1], C. A. Cohen[1], J. K. Law[2] and P. A. Law[2], (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[*1], J. A. Agnew[1], C. Beresford[1], M. A. Morrow[2], J. Miller[2] and M. Z. Wamboldt[1], (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[*1], W. Roberts[2], D. B. Nicholas[3], B. Muskat[1], C. Roncadin[4], J. Levine[1], S. Mitchell[1], J. Lake[1], J. Mulligan[1], K. Gionfriddo[1], E. Ko[1], K. Johnson[5] and L. Zwaigenbaum[6], (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[*1], A. C. Stahmer[2] and G. Piccolini[2], (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[*1], J. A. Weiss[1] and Y. Lunsky[2], (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[*1,2], C. M. Brewton[1] and R. P. Goin-Kochel[3], (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[*1], V. Smith[2] and S. Patterson[2], (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[*] 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[*], 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[*1], M. M. Seltzer[2], L. Abbeduto[3] and L. Head[1], (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[*1], S. Mangan[2] and E. Perrin[3], (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[*] 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[*1], L. Kalb[1], C. Foster[2] and A. M. L. Wilms Floet[3], (1)Kennedy Krieger Institute, Baltimore, MD, (2)Kennedy Kreiger 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[*1] and J. E. Farmer[2], (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[*1], D. C. Coman[2], A. Gutierrez[2], K. Hume[3], B. Boyd[4], S. Odom[5] and M. Alessandri[2], (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[*1], S. K. Kapp[2], D. S. Smith[3], P. M. Greenfield[3], J. Atkinson[3], A. Navab[4] and T. Hutman[5], (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[*1], J. G. Kim[2], M. O. Riedl[2], R. Arriaga[3] and G. D. Abowd[3], (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[*1] and P. Mirenda[2], (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[*], 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[*1], H. Li[1], T. M. Ellmore[2], B. Malmberg[2], R. E. Frye[2] and S. T. Wong[1], (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[*1], D. L. Williams[2] and M. A. Just[1], (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[*1], S. Baron-Cohen[2] and A. Humphrey[3], (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[*1,2] and A. J. Bailey[2,3], (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. Dinstein[*1], R. Malach[1], L. Lorenzi[2], D. J. Heeger[3] and M. Behrmann[2], (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[*1], D. Shirinyan[2], N. L. Colich[2], J. D. Rudie[2], M. Dapretto[3] and S. Y. Bookheimer[3], (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[*1], J. Hopkins[2], J. D. Rudie[3,4], M. Dapretto[3,5] and S. Y. Bookheimer[5], (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[*1], D. Pham[2], O. L. T. Wong[3] and J. Piggot[4], (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[*1], M. Shiffrar[2], K. A. Pelphrey[1] and M. D. Kaiser[1], (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[*1], E. G. Duerden[2], K. A. R. Doyle-Thomas[1], M. J. Taylor[3], L. V. Soorya[4], A. T. Wang[4] and J. Fan[5], (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[*], 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[*], 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[*1], M. McWhirr[1] and G. D. Waiter[2], (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[*1], J. S. Merchant[1], N. L. Colich[2], J. D. Rudie[2] and M. Dapretto[2], (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[*1], Q. Deeley[2], C. Ecker[3], N. Gillian[4], D. Spain[5], K. Rubia[6], C. M. Murphy[7], P. Johnston[3] and D. G. Murphy[3], (1)Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, Kings College London, London, United Kingdom, (2)Institute of Psychiatry, King's College London, London, (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[*1,2], N. V. Hatt[3], C. Colombi[4], G. Vivanti[1], S. J. Rogers[5] and S. Rivera[6], (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. Ruysschaert[*], 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[*1], A. C. Voos[2], M. D. Kaiser[3], B. C. Vander Wyk[2], N. B. Pitskel[4], F. R. Volkmar[2] and K. A. Pelphrey[2], (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[*1], E. S. MacDonnell[2], H. Seib[2], K. A. Pelphrey[2] and B. C. Vander Wyk[2], (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[*], 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[*], 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[*1], H. Howells[2], M. V. Lombardo[1], S. A. Sadek[1], G. Pasco[1], F. dell'Acqua[2], M. C. Lai[1], M. Catani[2], D. G. Murphy[3], U. K. MRC AIMS Consortium[4] and S. Baron-Cohen[1], (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[*1], J. S. Anderson[2], N. Lange[3], B. A. Zielinski[4], M. B. DuBray[5], J. A. Nielsen[5], A. Cariello[1], J. R. Cooperrider[5], E. D. Bigler[6], A. L. Alexander[7], P. T. Fletcher[8] and J. E. Lainhart[9], (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[*1], S. J. Gotts[2], N. A. Dankner[3], B. L. Robustelli[2], L. Kenworthy[4], J. Giedd[5] and A. Martin[3], (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[*], 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[*1], R. J. Jou[2], F. R. Volkmar[3] and K. A. Pelphrey[3], (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[*1], A. E. Switala[2], A. S. El-Baz[3] and M. F. Casanova[4], (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[*1], J. Burris[1], F. C. Bassal[1], F. Tassone[2] and S. Rivera[1], (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[*1], C. Cheung[2], M. E. King[3], L. Ling[3], V. Cheung[4], K. S. Tai[5], P. Leung[6], S. F. Hung[7], T. P. Ho[1], C. C. Lee[7], C. P. Tang[7], S. E. Chua[8,9] and G. M. McAlonan[1,9], (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[*1], K. Suzuki[2], G. Sugihara[2], Y. Ouchi[3], M. Tsujii[4], Y. Iwata[1], K. Matsumoto[2], K. Takebayashi[2], T. Wakuda[1], Y. Yoshihara[1], S. Suda[2], M. Kikuchi[5], N. Takei[2], T. Sugiyama[6] and N. Mori[1], (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[*], 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[*], 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 fcMRI Study. K. M. Leyden[*1], P. Shih[1], J. K. Oram[1], J. Spradling[1], B. Keehn[2] and R. A. Müller[1], (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[*1], A. Nakamura[2], K. Yoshiyama[3], K. Ono[3], T. Kato[3], K. Ito[3], N. Iwata[4] and T. Sugiyama[5], (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*, 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*[1], A. Hanley[2], M. Stockman[2], B. Wade[2], R. Lenroot[2], S. J. Spence[1], A. Thurm[1], S. Swedo[1] and J. Giedd[2], (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*[1], M. C. Parlier[1], R. Adolphs[2,3], A. Belger[1,4] and J. Piven[1,5], (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*[1], B. Malmberg[1], T. M. Ellmore[1], H. Li[2], Z. Xue[2], S. T. Wong[2] and R. E. Frye[1], (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*[1], J. Rellecke[2], Z. Al-Noor[1] and S. J. Gilbert[1], (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*[1], H. Li[2], Z. Xue[2], B. Malmberg[1], S. T. Wong[2] and R. E. Frye[1], (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*, 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*[1], A. Lee[1], M. D. Shen[1], T. J. Simon[1], S. J. Rogers[1], S. Ozonoff[2] and D. G. Amaral[1], (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 Specturm Disorders. B. C. Vander Wyk*[1], R. I. Pillai[1], H. Seib[1], E. S. MacDonnell[1] and K. A. Pelphrey[2], (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*[1], E. G. Duerden[2], M. J. Taylor[3], L. V. Soorya[4], A. T. Wang[4], J. Fan[5] and E. Anagnostou[6], (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*[1,2], S. Baron-Cohen[3] and H. Ring[4], (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*[1], P. Shih[2], A. Nair[1], A. Khan[2], M. Westerfield[3], A. J. Lincoln[4], J. Townsend[3] and R. A. Müller[2], (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*[1], L. Hinkley[2], S. S. Hill[3], A. Bernard[4], A. M. Findlay[5], P. Mukherjee[6] and S. Nagarajan[5], (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*[1], D. K. Shukla[2], B. Keehn[3] and R. A. Muller[2], (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*[1], E. J. Marco[2,3], J. Gold[2], A. M. Findlay[1], M. Wakahiro[2], A. J. Barkovich[1,2,3], P. Mukherjee[1], S. Nagarajan[1] and E. Sherr[2,3], (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[*1], N. L. Colich[2], E. Zaidel[3], M. Iacoboni[4], S. Y. Bookheimer[5] and M. Dapretto[2,5], (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[*1], S. A. Coombes[2], A. M. D'Cruz[1], L. Schmitt[1], S. Shrestha[1], D. E. Vaillancourt[1,2] and J. A. Sweeney[1], (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[*1,2], N. L. Colich[1], L. M. Hernandez[1], J. D. Rudie[1], S. Y. Bookheimer[2] and M. Iacoboni[3], (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[*1], E. J. Carter[2], J. F. Lehman[3] and N. J. J. Minshew[4], (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[*], 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[*1], E. Peterson[2], J. R. Tregellas[1], S. Hepburn[1] and D. C. Rojas[1], (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[*1], M. D. Kaiser[2], R. Bennett[1], A. C. Voos[1] and K. A. Pelphrey[1], (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[*1], A. Marquand[2], M. C. Lai[3], M. V. Lombardo[4], P. Johnston[5], B. Chakrabarti[4,6], E. Daly[7], C. M. Murphy[8], M. Aims[9], S. Baron-Cohen[10] and D. G. Murphy[11], (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[*1], E. Pun[1], P. Wong[1], S. E. Chua[2,3], C. Cheung[1] and G. M. McAlonan[3,4], (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[*1], T. Grandin[2], E. D. Bigler[3,4], J. S. Anderson[1,5], N. Lange[6], A. L. Alexander[7], M. B. DuBray[1], A. Froehlich[4], B. A. Zielinski[8] and J. E. Lainhart[9], (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[*1], K. A. Pelphrey[1], R. I. Pillai[1], H. Seib[1], E. S. MacDonnell[1] and B. C. vander Wyk[2], (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[*1], J. Fan[2], C. Rockel[3], A. Voineskos[4], N. Lobaugh[5], L. V. Soorya[6], A. T. Wang[6], E. Hollander[7] and E. Anagnostou[8], (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[*1], S. Faja[2], J. M. Taylor[1], E. N. Madva[1], S. J. Cayless[1] and R. T. Schultz[1], (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[*], 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[*1] and K. A. Pelphrey[2], (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[*], 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[*1], C. W. Nordahl[1], S. E. Liston[1], M. DiNino[1], S. L. Wootton-Gorges[2], G. S. Young[1], S. Ozonoff[3] and D. G. Amaral[1], (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[*1], D. L. Williams[2], J. F. Lehman[3] and N. J. J. Minshew[4], (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[*1], K. Yu[1], S. E. Chua[2,3,4], C. Cheung[1] and G. M. McAlonan[3,4,5], (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, Hong Kong

11:00 180 116.075 Mirror Neuron Dysfunction In High Functioning Autism. T. J. Perkins[*1], J. A. Manjiviona[2], K. Saunders[3], J. A. McGillivray[1], R. Bittar[4], A. Connelly[5] and M. A. Stokes[6], (1)Psychology, Deakin University, Burwood, Australia, (2)Private practice, Lower Templestowe, Australia, (3)Private practicioner, 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[*1], M. Ingalhalikar[1], R. Verma[1] and T. P. L. Roberts[2], (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[*1], D. L. Williams[2], C. D. Smith[3], A. R. McMichael[1], K. W. Chua[4], S. C. Green[4], M. S. Strauss[4] and N. J. J. Minshew[4], (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[*1], M. A. Coskun[1], K. A. Loveland[2], D. A. Pearson[3] and A. C. Papanicolaou[4], (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

<table>
<tr><td>1:15-3:15P</td><td colspan="3">IES: Translation of Intervention Research to Practice (Elizabeth Ballroom A-C Lvl 2)</td><td rowspan="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</td></tr>
<tr><td>1:15-3:15P</td><td>Oral Sessions: Epidemiology: ASD Prevalence, Trends, and Adults with ASD (Elizabeth Ballroom D Lvl 2)</td><td>Oral Sessions: Sex Differences and Females with Autism Spectrum Disorders (Elizabeth Ballroom G-H Lvl 2)</td><td>Oral Sessions: Early Functional and Structural Development and Age-Related Changes in ASD (Douglas Pavilion A Lvl 1)</td></tr>
<tr><td>3:15-3:45P</td><td colspan="3">Break (Elizabeth Foyer Lvl 2))</td><td></td></tr>
<tr><td>3:45-5:45P</td><td colspan="4">Oral Sessions: Genomics and Gene Expression In ASD (Elizabeth Ballroom D Lvl 2)</td></tr>
<tr><td>3:45-4:45P</td><td colspan="2">Scientific Panel
Intervening In Autism In Infancy: Causal Models, Research Approaches, Ethics Barriers (Elizabeth A-C Lvl 2)</td><td>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)</td><td>Scientific Panel
Reward Processing in Autism (Douglas Pavilion A Lvl 1)</td></tr>
<tr><td>4:45P-5:45P</td><td colspan="2">Scientific Panel
Infants At High-Risk for Autism: Findings From the Infant Brain Imaging Study (IBIS) (Elizabeth A-C Lvl 2)</td><td>Scientific Panel:
International Applications of the Modified Checklist for Autism in Toddlers (M-CHAT) In Level 1 Screening (Elizabeth Ballroom G-H Lvl 2)</td><td>Scientific Panel
Shank Synaptic Genes In Autism: Human Genetics to Mouse Models and Therapeutics (Douglas Pavilion A Lvl 1)</td></tr>
<tr><td>6:00-8:00P</td><td>SIG: Motor Action Development (MAD) (Elizabeth Ballroom G-H Lvl 2)</td><td>SIG: Sensory Features in Autism (Elizabeth Ballroom D Lvl 2)</td><td>SIG: Postmortem Brain Tissue Research in Autism (Elizabeth Ballroom A-C Lvl 2)</td><td>SIG: EEG / MEG (Douglas Pavilion A Lvl 1)</td></tr>
<tr><td></td><td>SIG:Sleep (Betsy Room Lvl 2)</td><td>SIG: Contextually-Valid Interventions for School-Aged Children (Madeleine A-D Lvl 3)</td><td></td><td></td></tr>
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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 Varation In the Prevalence of the Pervasive Developmental Disorders by Diagnostic Criteria. C. E. Rice*[1], L. D. Wiggins[2], L. A. Carpenter[3], L. A. Schieve[4], R. T. Fitzgerald[5], A. Pedersen y Arbona[6] and L. C. Lee[7], (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[*], 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[*1], J. Bankart[2] and S. McManus[3], (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[*], 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[*1], M. J. Maenner[2] and C. L. Arneson[3], (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[*] 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[*1], P. Khandge[2], H. Patel[2], N. Scotto-Rosato[3], S. Howell[3] and W. Zahorodny[4], (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

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[*1], D. L. Robins[1] and D. A. Fein[2], (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[*1], D. S. Mandell[2], B. Wijnker-Holmes[3], F. Stekelenburg[4] and H. M. Koot[5], (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

1:45 119.003 Females with Autism Spectrum Disorder: An Analysis of the Simons Simplex Collection. M. Huerta[*1], S. L. Bishop[2], K. Gotham[3], V. Hus[1], S. Lund[1], A. Buja[4] and C. Lord[5], (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[*1,2], K. Bales[3], S. Taylor[4], J. H. Yoon[5], M. Minzenberg[5], C. S. Carter[5] and M. Solomon[6], (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[*1], A. Retico[2], L. Biagi[3], R. Tancredi[4], F. Muratori[5,6] and M. Tosetti[7], (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,

2:30 119.006 Sex Differences In Behavior In Adults with High Functioning Autism Spectrum Conditions. M. C. Lai[*1], M. V. Lombardo[2], G. Pasco[3], A. Ruigrok[1], S. J. Wheelwright[4], S. A. Sadek[1], B. Chakrabarti[2,5] and S. Baron-Cohen[2], (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. L. Cox[*1], T. Perkins[1], J. A. McGillivray[1], J. A. Mayes[1] and M. A. Stokes[1], (1)Psychology, Deakin University, Burwood, Australia, (2)Private practice, Lower Templestowe, Australia

WITHDRAWN

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[*1], L. T. Eyler[2], S. Solso[3], K. Campbell[4] and E. Courchesne[1], (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[*1], K. Pierce[2], S. Solso[3] and E. Courchesne[2], (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[*1], W. Thompson[2], K. Campbell[3], C. Ahrens-Barbeau[4], R. Stoner[5], C. Carter[6], M. Weinfeld[7], S. Spendlove[4], J. Young[8], M. Mayo[4], J. Kuperman[9], D. Hagler[9], R. J. Theilmann[10], L. T. Eyler[11], K. Pierce[12], E. Courchesne[12] and A. Dale[9], (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 Exellence, La Jolla, CA, (8)Neuroscinces, 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[*1], J. D. Rudie[1], E. M. Kilroy[1], N. L. Colich[1], S. Y. Bookheimer[2], M. Iacoboni[3] and M. Dapretto[1,2], (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[*1], X. Hao[1], K. Zygmunt[1], M. B. DuBray[1], A. Froehlich[1], N. Lange[2] and J. E. Lainhart[3], (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[*1], E. D. Bigler[2], T. Abildskov[3], A. Froehlich[4], M. B. DuBray[5], A. L. Alexander[6] and J. E. Lainhart[7], (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[*1], T. W. Frazier[2], N. J. J. Minshew[3], L. Piacenza[4], A. Reiss[4] and A. Y. Hardan[1], (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[*1], N. Schork[2], K. Pierce[3] and E. Courchesne[3], (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[*1], A. C. Papp[1], G. E. Herman[2] and W. Sadee[1], (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[*1], I. Voineagu[2], R. Luo[3], R. A. Mar-Heyming[2] and D. H. Geschwind[4], (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[*], 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[*1], M. E. Winn[2], C. Roe[3], T. Wong[3], C. Ahrens-Barbeau[4], S. Chandler[5], M. Collins[5], L. Lopez[4], M. Tsuang[5], K. Pierce[4], N. Schork[6] and E. Courchesne[4], (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[*1], T. Pramparo[2], M. E. Winn[3,4], R. Stoner[5], M. P. Boyle[6], E. Lein[7], S. Roy[8], H. R. Li[9], J. B. Fan[10], C. April[10], X. D. Fu[11], S. Colamarino[12], P. Mouton[13], L. Weiss[14], N. Schork[15], A. Wynshaw-Boris[16] and E. Courchesne[5], (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[*] 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[*1], D. H. Geschwind[2], S. P. Pasca[3], M. Yazawa[4], A. M. Pasca[3], T. Portmann[3] and J. Hallmayer[5], (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*, UC Davis MIND Institute, Sacramento, CA

4:00 121.002 A Prodromal Intervention Programme for Infant Siblings. J. Green*, University of Manchester, Manchester, United Kingdom

4:15 121.003 The Importance of Early Intervention and the Challenge of Early Detection. A. M. Wetherby*, 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*, 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*[1], M. Bresnahan[2], K. W. Carter[3], R. W. Francis[3], M. Gissler[4], T. Grønborg[5], R. Gross[6], M. Hornig[2], C. Hultman[7], A. Langridge[8], H. Leonard[8], A. Nyman[9], E. T. Parner[10], M. Posada[11], A. Reichenberg[12], S. Sandin[7], A. Sourander[13], C. Stoltenberg[14], P. Surén[14] and E. Susser[2], (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[*1], K. W. Carter[2], R. W. Francis[2], M. Gissler[3], T. Grønborg[4], R. Gross[5], M. Hornig[1], C. Hultman[6], A. Langridge[7], H. Leonard[7], A. Nyman[8], E. T. Parner[9], M. Posada[10], A. Reichenberg[11], S. Sandin[6], D. E. Schendel[12], A. Sourander[13], C. Stoltenberg[14], P. Surén[14] and E. Susser[1], (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[*1], K. W. Carter[1], M. Bresnahan[2], M. Gissler[3], T. Grønborg[4], R. Gross[5], M. Hornig[2], C. Hultman[6], A. Langridge[7], H. Leonard[7], A. Nyman[8], E. T. Parner[9], M. Posada[10], A. Reichenberg[11], S. Sandin[6], D. E. Schendel[12,13], A. Sourander[14], C. Stoltenberg[15], P. Surén[15] and E. Susser[2], (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[*1], S. Sandin[2], C. Hultman[2], M. Bresnahan[3], K. W. Carter[4], R. W. Francis[4], M. Gissler[5], T. Grønborg[6], R. Gross[7], M. Hornig[3], A. Langridge[8], H. Leonard[8], A. Nyman[9], E. T. Parner[10], M. Posada[11], D. E. Schendel[12], A. Sourander[13], C. Stoltenberg[14], P. Surén[14] and E. Susser[3], (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[*1], J. A. Richey[2], A. Rittenberg[2], N. J. Sasson[3] and J. W. Bodfish[4], (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[*1], A. Lin[2] and A. Rangel[2], (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[*1], D. Shirinyan[2], A. A. Scott-Van Zeeland[3] and M. Dapretto[1], (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[*1], J. J. Nadler[2] and S. S. Moy[3], (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[*1], S. Paterson[2], H. Gu[3], L. Zwaigenbaum[4], J. Piven[5] and I. B. I. S. Network[6], (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[*1], J. Wolff[2], S. Paterson[3], K. Botteron[4], H. Gu[2], J. Piven[5] and I. B. I. S. Network[6], (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[*1], H. Gu[2], S. Paterson[3], M. Styner[4], G. Gerig[5], K. Botteron[6], S. R. Dager[7], R. T. Schultz[8], A. C. Evans[9], J. Piven[10] and I. B. I. S. Network[11], (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[*1], G. Gerig[2], S. Gouttard[2], H. Gu[3], H. C. Hazlett[4], K. Botteron[5], R. McKinstry[6], S. R. Dager[7], R. T. Schultz[8], A. C. Evans[9], J. Piven[10] and I. B. I. S. Network[11], (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[1]D. A. Fein[2]; (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[*1], R. Canal-Bedia[2], M. V. Martín Cilleros[3], Z. Guisuraga Fernández[3], L. Herráez-García[2], M. M. Herraez García[3], J. Santos[4], J. Fuentes-Biggi[5] and M. Posada-de la Paz[6], (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[*1], N. Inada[2], E. Inokuchi[3] and K. J. Tsuchiya[4], (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. Mejia[*1] and C. A. Marcin[2], (1)Planning Directorate of Standards of Evaluation Policy, National Council of Evaluation of Social Public Policy, Mexico City, Mexico, (2)CLIMA Clinica 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[*1] and D. A. Fein[2], (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[*], 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[*], 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[*], 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[*], 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[*] 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[*1], S. Faja[2] and G. Dawson[3], (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[*1], P. Szatmari[1], E. Duku[1], S. Georgiades[1], S. E. Bryson[2], E. Fombonne[3], P. Mirenda[4], W. Roberts[5], I. M. Smith[2], T. Vaillancourt[6], J. Volden[7], C. Waddell[8] and L. Zwaigenbaum[9], (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[*1], P. Szatmari[1], L. Zwaigenbaum[2], S. E. Bryson[3], J. A. Brian[4], W. Roberts[5], I. M. Smith[3], T. Vaillancourt[6] and C. Roncadin[7], (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[*1], D. Campbell[2], C. A. Saulnier[3], K. Bearss[4], F. Shic[1] and K. Chawarska[5], (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[*1], W. Roberts[2], J. A. Brian[3,4] and L. Zwaigenbaum[5], (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[*1], G. W. McRoberts[2], E. Schoen[1], M. Lyons[1] and K. Chawarska[1], (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[*1], A. Klin[2] and K. Chawarska[1], (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[*1], C. Roncadin[2], S. E. Bryson[3], I. M. Smith[3], E. Duku[4], I. E. Drmic[5], T. McMullen[5], W. Roberts[6], P. Szatmari[4] and L. Zwaigenbaum[7], (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[*1], W. L. Stone[2], N. V. Ekas[3], W. Gealy[4] and D. S. Messinger[4], (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[*1], S. Wagner[2], S. Mangan[3] and E. Perrin[4], (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[*1] and S. Ellis Weismer[2], (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[*1], A. N. Esler[2], S. M. Kanne[3] and V. Hus[4], (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[*], 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[*1], S. Shumway[2] and D. Luckenbaugh[3], (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, Bethesdsa, 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[*1], Y. Zhang[2] and J. N. Constantino[2], (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[*1], I. M. Eigsti[1], M. Barton[1], K. E. Tyson[1], A. Green[1], M. A. Rosenthal[1], E. Troyb[1], M. Helt[1], A. Orinstein[1], R. T. Schultz[2], M. C. Stevens[3], E. A. Kelley[4], L. Naigles[1] and D. A. Fein[1], (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[*1], A. Orinstein[1], K. E. Tyson[1], M. Helt[1], M. A. Rosenthal[1], I. M. Eigsti[1], E. A. Kelley[2], M. C. Stevens[3], R. T. Schultz[4] and D. A. Fein[1], (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[*1], S. L. Bishop[2] and C. Lord[3], (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[*1], S. J. Webb[1], R. T. Lowy[2], R. A. Bernier[2] and E. M. Wijsman[2], (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[*1], C. M. Murphy[2], D. Robertson[3], D. Spain[4], M. J. Doyle[5], E. Wilson[6], C. Ecker[7], E. Daly[8], V. D'Alemeida[6] and D. G. Murphy[7], (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[*1], C. M. Brewton[2], C. P. Schaaf[2] and R. P. Goin-Kochel[3], (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[*1], J. Munson[2], J. Wenegrat[3], K. Sullivan[3] and R. A. Bernier[2], (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[*1], C. Dissanayake[2] and D. Z. Loesch[3], (1)Psychological Sciences, Olga Tennison Autism Research Centre, Bundoora, Australia, (2)La Trobe University, Olga Tennison Autism Research Centre, Bundoora 3086, Australia, (3)Pyschological 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[*1], W. L. Stone[2], E. H. Catania[3], K. Woodburn[3], Z. Warren[3], A. P. F. Key[3], M. Murias[2] and C. J. Cascio[3], (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[*1] and A. S. Carter[2], (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[*1], J. H. Sideris[2], L. M. Little[3] and G. T. Baranek[4], (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[*1], E. A. Youngstrom[2], L. Speer[3], R. Embacher[4], P. A. Law[5], J. N. Constantino[6], R. Findling[7], A. Y. Hardan[8] and C. Eng[9], (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[*1], D. Murray[1], S. L. Bishop[1] and J. Reinhold[2], (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[*1], E. Duku[1], S. Georgiades[1], A. Thompson[1], X. Q. Liu[2] and A. D. Paterson[3], (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[*1], M. W. Gower[2], M. K. McCalla[2], A. N. Harris[2], S. E. O'Kelley[3] and K. C. Guest[4], (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[*1], K. Hume[2], M. McBee[1] and S. Odom[3], (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[*1] and L. Lecavalier[2], (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[*1], E. H. Dohrmann[2] and H. Noble[1], (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[*1], P. Manning-Courtney[2], D. Murray[2], C. A. Molloy[2] and S. L. Bishop[2], (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[*1], C. R. Stewart[1], S. Sanchez[1], E. L. Grenesko[1], A. J. Lincoln[2] and R. A. Müller[1], (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[*1], H. W. Kang[1], I. Giserman[2], L. Bradstreet[3], S. J. Cayless[4] and R. T. Schultz[5], (1)Children's Hospital of Philadelphia, Philadelphia, PA, (2)Children's Hospital of Philadelphia, Philadelphi, 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[*1], A. Perry[2] and M. Ebrahimi[3], (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[*1], C. Gray[2], E. M. Lennon[3], M. Gonzalez[4], T. R. Gomez[4], B. Z. Karmel[3] and J. M. Gardner[5], (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[*1], D. L. Robins[1], R. W. Kamphaus[1] and D. A. Fein[2], (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[*], 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[*], 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[*1], K. Hudry[2], L. A. Tucker[3], G. Pasco[4], C. Byrd[5], M. Elsabbagh[6], T. Charman[4], M. H. Johnson[7] and .. The BASIS Team[8], (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[*1], C. Willis[2], H. Minnis[3], W. Mandy[4] and D. H. Skuse[5], (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[*], 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[*], 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[*1], N. Gjolaj[2], M. Palance[1], B. Patel[1] and M. E. Behen[1], (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[*], 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[*1], S. M. Kanne[2], M. O. Mazurek[3] and J. H. Miles[4], (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[*1,2], D. Wimpory[3], J. Lidstone[4], C. Ramsden[4] and H. Morgan[5], (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*[1], D. Junker[2], K. Houck[2] and C. Lord[3], (1)University of Michigan Autism and Communication Disorders Center , Ann Arbor, MI, (2)Univeristy 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*[1], A. Johnston[2], J. M. Doerr[3], S. J. Brewster[1] and E. Hanson[4], (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*[1], A. Westphal[2], M. D. Kaiser[1], D. R. Sugrue[1], F. R. Volkmar[1] and K. A. Pelphrey[1], (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*, 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*, 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*[1], M. Foscoliano[1], G. Frigo[1], P. M. Peruzzi[1], F. Casano[1], S. Congiu[1] and R. Fadda[2], (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. Geoffray*[1,2], I. Soulières[3,4] and C. Berthiaume[5], (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, Massachussetts 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*[1], P. A. Filipek[2], P. L. Horner[3], J. T. Phan[3] and K. L. Pham[3], (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 Itzchak*[1], A. Binet[2] and D. A. Zachor[3], (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*, 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*[1] and N. J. Sasson[2], (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*, 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*[1], K. Greenberg[1] and E. Hanson[2,3], (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 Probands with Autism. M. Germone*[1,2], A. J. Lincoln[3] and J. Townsend[4], (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 Paelt*, 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*[1], I. Seidman[2], S. Milshtein[2], R. Ebstein[2] and S. Levi[2], (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* 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*[1], E. Scollin[1], R. A. Libove[2], J. M. Phillips[3], K. J. Parker[2] and A. Y. Hardan[2], (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 BAPQ. N. Maltman*[1], S. J. Guter[2], I. Chung[1], E. H. Cook[1] and S. Jacob[1], (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*[1], M. M. Seltzer[2] and S. Hartley[2], (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[*1], Z. Warren[2], R. Hundley[3], R. P. Goin-Kochel[4] and S. U. Peters[5,6], (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[*1], M. Losh[2], E. F. Dillon[1], K. P. Wilson[3], A. M. Sam[4], B. Honeycutt[1], E. Lamarche[1] and G. Martin[1], (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[*1], J. Piven[2], H. C. Hazlett[3], A. A. Lightbody[4] and A. Reiss[4,5], (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[*1], C. Corsello[2], D. P. Kennedy[1], D. Childress[3], B. C. F. Cheng[1] and R. Adolphs[1], (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[*1], M. F. Moran[2], M. E. Parker[3] and J. T. Foley[4], (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[*1], D. L. Coury[2], G. Barnes[3], A. Loh[4] and T. Clemons[5], (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[*] 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[*1], M. N. Gragg[2], S. Ehsan[1] and M. Shamon[1], (1)University of Windsor, Windsor, ON, Canada, (2)University of Windsor, Wiindsor, 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[*1], I. Seidman[2], S. Milshtein[2], D. Oppenheim[3], N. Koren-Karie[4], S. Dolev[4] and S. Levi[2], (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[*1], E. A. Kelley[2], J. Parker[3], W. `. Craig[1] and C. Javier[4], (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[*1], S. M. Kanne[2] and C. A. Saulnier[3], (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[*], 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[*], 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[*1,2], M. Maye[3], L. Jackson[4], W. Guthrie[5], J. Liang[4] and C. Lord[6], (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[*], 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[*1], M. E. Villalobos[2] and T. Gabrielsen[3], (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*, 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*[1], C. J. Grantz[2], D. S. Messinger[2] and N. V. Ekas[3], (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*[1], K. E. Tyson[1], E. Troyb[1], M. Helt[1], M. A. Rosenthal[1], J. Suh[1], M. Barton[1], L. Naigles[1], E. A. Kelley[2], M. C. Stevens[3], R. T. Schultz[4] and D. A. Fein[1], (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*[1], S. E. Thompson[2], R. A. Libove[3], J. M. Phillips[4], K. J. Parker[3] and A. Y. Hardan[3], (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*, 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*[1], J. Gilkerson[2] and J. A. Richards[3], (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*, 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*, 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*[1,2] and H. Tager-Flusberg[3], (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*[1,2], A. Gulsrud[3] and C. Kasari[4], (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*[1], S. Tek[2], D. A. Fein[3] and L. Naigles[3], (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*[1], I. L. J. Noens[2,3,4], E. M. Scholte[1] and I. A. van Berckelaer-Onnes[1], (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*[1], L. A. Tipton[2], E. A. Laugeson[3] and J. Blacher[2], (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*[1], E. A. Laugeson[2] and J. Blacher[3], (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*[1] and C. Kasari[2], (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*, 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[*1], T. Vaillancourt[2], P. Szatmari[1], S. Georgiades[1], L. Zwaigenbaum[3], I. M. Smith[4], S. E. Bryson[4], E. Fombonne[5], P. Mirenda[6], J. Volden[7], C. Waddell[8], W. Roberts[9] and A. Thompson[1], (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[*1], I. M. Eigsti[2], E. Troyb[3], K. E. Tyson[3], A. Orinstein[3], M. Barton[3] and D. A. Fein[3], (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[*1] and R. Lytle[2], (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[*], 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[*1] and C. H. Chiang[2], (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[*1], R. Bakeman[1], P. B. Nelson[1], D. F. Deckner[2] and A. M. Grossniklaus[1], (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[*] 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[*], 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[*1], C. Urgesi[2], S. Calderoni[3], R. Tancredi[4] and F. Muratori[5], (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[*1,2], R. Bedford[2], S. Chandler[2], G. Pasco[2], T. Gliga[3], M. Elsabbagh[3], C. de Klerk[3], M. H. Johnson[4], T. Charman[2] and .. The BASIS Team[5], (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[*1], E. A. Laugeson[2], A. Gantman[3] and F. Frankel[2], (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[*1], I. Schietecatte[2] and P. Warreyn[2], (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[*1], G. S. Doneddu[1], G. Saba[1], S. Marras[1] and R. Fadda[2], (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[*1], G. S. Doneddu[2], T. Striano[3], S. Congiu[2], G. Frigo[2] and A. Salvago[2], (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[*1] and H. C. Leonard[2], (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[*1], I. Soulières[2], A. A. Meilleur[1] and L. Mottron[1], (1)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montréal, QC, Canada, (2)Neural Systems Group, Massachussetts 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[*], 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[*1], D. Mueffelmann[2,3], G. Martin[4] and M. Losh[1], (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[*1], R. P. Goin- Kochel[2] and B. J. Myers[1], (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[*1,2], E. K. Erdmann[3], E. C. Bennaton[2], S. L. Schram[2], M. Gaffrey[4] and B. P. Klein-Tasman[2], (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[*1], O. Roldan Ceballos[2], L. Hernandez-Guzman[3], G. Villarreal-Valdes[1], C. Santos[1] and X. Betanzos-Cruz[4], (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[*1], A. Bargiacchi[2], N. Chabane[3] and M. Zilbovicius[2], (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 Mesures of Joint Attention Abilities In the Clinical Assessment of Very Young Children with ASDs. M. Foscoliano[*1], R. Fadda[2], G. S. Doneddu[1], G. Frigo[1] and M. Piu[1], (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[*1], J. Parish-Morris[2], S. Paterson[1] and I. B. I. S. Network[3], (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[*1], I. M. Eigsti[2], Y. Fuerst[3], H. Prentice[4] and R. Paul[5], (1)University of Connecticut, Storrs, CT, (2)University of Connecticut, Storrs, CT, (3)Southern Connecticut State Univeristy, 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[*1], E. R. Eernisse[2], A. Bean[1], J. R. Saffran[1] and S. Ellis Weismer[1], (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[*] 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[*1], D. Meringolo[2], L. H. Shulman[2] and K. Hottinger[2], (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[*1], S. S. Reszka[2] and S. Odom[3], (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[*1] and A. Scarpa[2], (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[*1], C. B. Nilsen[1], M. W. Gower[1], M. K. McCalla[1], T. A. Perez[1], K. C. Guest[2] and S. E. O'Kelley[3], (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[*], 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[*1,2] and A. Fuller[1], (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[*1,2], A. Bartolo[3], M. Corley[4], G. Rajendran[5] and S. Swanson[6], (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[*1], J. Flax[1], Z. Fermano[1], S. Buyske[2], L. Hou[3], C. Bartlett[3] and L. Brzustowicz[1], (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[*1], S. Shumway[2] and A. Thurm[2], (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[*1] and L. E. Smith[2], (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[*1], K. Hirsh-Pasek[2], R. Pulverman[3], R. T. Schultz[4] and S. Paterson[5], (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[*] 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[*1], S. M. Brown[1], J. A. Weiss[1], A. Perry[1], J. M. Bebko[1] and P. Minnes[2], (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[*] 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[*1], D. L. Robins[1] and D. A. Fein[2], (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[*1], V. Hus[2], S. Ellis Weismer[3] and C. Lord[4], (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[*1], A. Diehl[1], T. Smith[2], S. L. Hyman[3] and T. Musa[1], (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[*1], D. M. Bowler[2] and A. Whitehouse[3], (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[*1,2], L. Smith[3], E. Sponheim[1] and A. J. Nordahl Hansen[4], (1)Oslo University Hospital, Oslo, Norway, (2)Centre for child and adolecent mentalt 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[*1,2], A. Perry[1,2], K. Wells[1,2], N. L. Freeman[3], J. D. Geier[4] and A. Levy[2], (1)TRE-ADD (Treatment, Research, and Education for Autism and Developmental Disorders), Thistletown 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[*1], R. Stoddart[1], A. K. Nuttall[2] and J. J. Diehl[3,4], (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[*1], S. Macari[2], F. Shic[1], M. Coffman[1] and K. Chawarska[3], (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 Lèvy Flights Search Patterns In Children with ASDs Exploring Social Stimuli. A. Liberati[*1], M. Javarone[2], G. Frigo[3], A. Salvago[3], G. S. Doneddu[3], R. Fadda[4], T. Striano[5] and A. Chessa[1], (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[*1], K. Gillespie[1], G. Park[1], M. Sigman[1], S. P. Johnson[1] and T. Hutman[2], (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[*1], V. Erstenyuk[2], G. Serlin[1] and M. J. Siller[3,4,5], (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 Adaptative Receptive Language and Behavior In Children with ASD: Exploration for Inform Pivotal Interventions. K. Lierheimer[*1], N. A. Gage[2] and S. M. Kanne[3], (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[*1], M. R. Klinger[2], T. N. Holtzclaw[2], N. Broka[2] and L. G. Klinger[2], (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[*1], L. V. Ibanez[2], W. L. Stone[3] and D. S. Messinger[4], (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[*1], M. C. Dean[2] and C. Kasari[3], (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[*1], E. Troyb[1], A. Orinstein[1], M. Helt[1], I. M. Eigsti[2], M. Barton[1], L. Naigles[1], E. A. Kelley[3], M. A. Rosenthal[1], M. C. Stevens[4], R. T. Schultz[5] and D. A. Fein[1], (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[*1] and A. Nadig[2], (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[*1], M. W. Gower[2], S. E. O'Kelley[3] and K. C. Guest[4], (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[*1], V. Smith[2] and E. Sliwkanich[3], (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[*1], A. Curtis[2], B. Reed[2], M. J. Cooley Hidecker[2], B. Ross[2], L. Zwaigenbaum[3] and P. Rosenbaum[1], (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[*], 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[*1] and L. Stein[2], (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[*1], M. Chez[2], C. Parise[3], A. Hankins[4], T. Donnel[3], R. Low[5], S. Caffery[6] and C. Lepage[6], (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[*1], L. Haapanen[1], R. Boyce[1], P. Duncanson[1], D. Braunschweig[1], L. Delwiche[1], R. L. Hansen[2], I. Hertz-Picciotto[3], P. Ashwood[2] and J. Van de Water[1], (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[*1], R. Kelley[2] and R. Kern[3], (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[*]

3:00 169 128.169 Hypocholesterolemia In Children and Adolescents with Autism: A Clinical Sample From Turkey. A. Herguner[*] 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[*], 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[*1], M. Losh[2] and G. Martin[3], (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 Musculer Dystrophy. S. Herguner[*] 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[*], 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[*1], H. Austin[2], N. A. Withrow[3], E. Hsueh[4], A. Waggoner[4] and A. M. Reynolds[2], (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[*1], M. W. Gower[2], K. C. Guest[1] and S. E. O'Kelley[3], (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[*1], J. D. Jones[2], A. Trubanova[2], W. Jones[2], K. Chawarska[3] and A. Klin[2], (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[*1], M. Clow[1], A. D. Stevens[1], J. R. Wenegrat[1] and R. A. Bernier[2], (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[*1], B. Reilly[2] and R. A. Bernier[3], (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[*1] and M. Schalock[2], (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[*], 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[*1], M. M. Seltzer[2] and J. S. Greenberg[1], (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[*1], J. Pena[2] and J. A. Chacin[3], (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[*1], T. Katz[2] and T. Clemons[3], (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[*1], M. L. Griebel[2], S. J. Blossom[3], R. Williamson[2], S. A. Maham[4], H. Gomez-Acevedo[5] and S. J. James[6], (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 Chidlren 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[*1], E. B. Lee[1], K. C. Williams[1], L. Tilson[1], S. G. McGrew[1] and P. Levitt[2], (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[*1], J. Fortunato[2], L. Hewitson[3] and A. Krigsman[4], (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[*1], J. R. Day[2], B. R. Wexler[2], J. M. Constance[3], P. S. Foster[4] and D. Q. Beversdorf[5], (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[*1], B. J. Ferguson[2], J. R. Day[1], B. R. Wexler[1], J. M. Constance[3], P. S. Foster[4] and D. Q. Beversdorf[5], (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[*] 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[*1] and C. L. Michaels[2], (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[*1], B. H. Freedman[1], L. Kalb[1], R. G. Vaurio[1], S. E. Goldman[2] and B. A. Malow[2], (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[*1], A. L. Richdale[2], M. Short[3] and M. Gradisar[3], (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[*1], L. Kenworthy[1], G. L. Wallace[2], C. Caldwell[3], J. F. Strang[1] and B. Yerys[1], (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[*1], N. M. Kurtz[2], S. Paterson[3] and I. B. I. S. Network[4], (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[*1,2,3], S. Tessier[2,3,4], A. C. Rochette[2,4], E. Chevrier[4], P. B. Scherzer[2], L. Mottron[5,6] and R. Godbout[4,7], (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, Universite de Montreal, Montreal, QC, Canada

3:00 196 128.196 EEG Markers of Alterated Sleep In Adults with Autism: Stage 2 K-Complexes. S. M. Duplan[*1], J. Dufresne Bastien[1], E. Chevrier[2], L. Mottron[3] and R. Godbout[2,4,5], (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, Universite 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[*1,2], B. D'Antono[3], T. Chevrette[2,4], L. Mottron[5,6,7] and R. Godbout[8,9], (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, Universite 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.

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)			

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 known 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[*1], I. Hertz-Picciotto[2,3], A. M. Iosif[4], R. L. Hansen[5,6,7] and C. K. Walker[8], (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[*1], J. K. Grether[2], A. Sumner[3], S. Li[4], E. Katz[5] and L. A. Croen[6], (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 Divison 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[*1], I. Hertz-Picciotto[2,3], F. Lurmann[4] and R. McConnell[5], (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[*1], M. A. Lutsky[1], C. Yoshida[1], C. P. Alaimo[2], M. Kharrazi[3], J. K. Grether[4] and P. Green[2], (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[*1], N. Larsen[2], J. Grove[3], B. Nørgaard-Pedersen[2], E. L. Mortensen[4] and D. M. Hougaard[2], (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[*1], C. Yoshida[1], B. Lasley[2], M. Kharrazi[3], J. K. Grether[4], G. Windham[4] and L. A. Croen[1], (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[*1,2], A. A. Bremer[3], A. S. Baker[1], C. K. Walker[1,4], R. L. Hansen[2,3] and I. Hertz-Picciotto[1,2], (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[*], 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[*1], L. G. Klinger[2], S. E. O'Kelley[3], T. N. Holtzclaw[1] and M. R. Klinger[1], (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[*1], S. R. Leekam[2], J. Gould[3], A. Le Couteur[4] and L. Wing[3], (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[*1], K. K. Ausderau[2], L. R. Watson[1] and G. T. Baranek[1], (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[*1], L. G. Klinger[2], M. R. Klinger[1], J. Emmons-Garzarek[3,4] and N. Broka[3], (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[*1], S. J. Cohen[2] and K. R. Dobkins[3], (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[*], 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 Abnormailities and Repetitive Behaviors In Children with Autism. K. L. Berquist[*1], G. Y. Lee[2], K. J. Parker[3] and A. Y. Hardan[1], (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[*1] and R. J. Landa[2], (1)Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD

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[*1], D. K. Shukla[2], B. Keehn[3], J. Treiber[2], J. Townsend[4] and R. A. Muller[2], (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[*1], M. V. Lombardo[1], C. Ecker[2], J. Suckling[3], B. Chakrabarti[4,5], E. T. Bullmore[6], D. G. Murphy[2], U. K. MRC AIMS Consortium[7] and S. Baron-Cohen[1], (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

10:15 133.003 Social Perception Deficits In Children with ASD: Correlations with STS Anatomical Connectivity. A. Bargiacchi[*1], A. Saitovitch[1], N. Boddaert[2], N. Chabane[3] and M. Zilbovicius[1], (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[*1], C. Schupp[2], N. Ryan[2] and C. S. Carter[3], (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[*1], D. Dodell-Feder[2], P. L. Mavros[3], J. D. E. Gabrieli[3] and R. Saxe[3], (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[*] 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[*1], A. Christakou[2], K. Chantiluke[3], A. Smith[4], A. Cubillo[5], E. Daly[6], V. Giampetro[7], C. Ecker[8], D. G. Murphy[8], M. Aims[9] and K. Rubia[10], (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, kings 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

11:30 133.008 Functional Connectivity of BA 44 During Language Processing In ASD and TD Subjects. L. Moore[*1], J. A. Brown[1], D. Shirinyan[2,3], A. A. Scott-Van Zeeland[4], J. D. Rudie[3,5], M. Dapretto[6] and S. Y. Bookheimer[7], (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[*1], R. Schoevers[2], R. B. Minderaa[3] and C. A. Hartman[3], (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[*], 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[*1], G. S. Dichter[2], D. Beaton[1] and J. W. Bodfish[3], (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[*], Mental Health Institution Eindhoven, Eindhoven, Netherlands

10:00 5 134.005 Cognitive Profiles of Adults with HFA or Asperger Syndrome. A. A. Spek[*1], E. M. Scholte[2] and I. A. Berckelaer-Onnes[3], (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. Bahrick[*], 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[*1,2], D. L. Williams[3] and N. J. J. Minshew[4], (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[*1] and S. Haenig[2], (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[*1], J. A. Burack[2], S. Rishikof[2], L. Mottron[3] and A. Bertone[4], (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[*1,2], D. Luckenbaugh[3], L. Kenworthy[2], G. L. Wallace[4], J. L. Sokoloff[2,5] and D. O. Black[6], (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 Neuropscience 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[*1] and C. Dissanayake[2], (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[*1], S. Nichols[1] and L. Adamek[2,3], (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[*1,2], C. Allison[3], S. Baron-Cohen[3], B. Chakrabarti[3,4] and R. A. Hoekstra[1], (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[*1], K. Gillespie-Lynch[2], D. S. Smith[1], S. K. Kapp[3], P. M. Greenfield[1] and T. Hutman[4], (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[*1], L. Kalb[1] and M. Zayat[2], (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[*1], R. A. Hoekstra[2] and S. Baron-Cohen[3], (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[*1], J. M. Baruth[1], L. L. Sears[2], G. Sokhadze[3], A. S. El-Baz[4] and M. F. Casanova[5], (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[*1], P. Ventola[1], K. D. Tsatsanis[1], K. Chawarska[2] and A. Klin[3], (1)Yale Child Study Center, New Haven, CT, (2)Suite 7I, 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[*1] and G. Dawson[2], (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[*1], W. Roberts[2], M. Shouldice[3], M. Gordon[4], S. Barker[4], N. Jones-Stokreef[4], J. Flanagan[5], L. Feitelberg[5], E. Jimenez[2], S. Stead[5], J. A. Brian[3] and R. Barber[1], (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[*1], K. Concannon[2], V. Vogel-Farley[2], C. A. Nelson[3] and H. Tager-Flusberg[1], (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[*] 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[*1] and I. Hertz-Picciotto[2], (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[*1,2], T. Newton[2], M. Christensen[1], O. Johnston[3], K. Taylor[4], N. K. Jamison[2], R. Gilliland[1], P. Chamberlain[2], S. van Tassell[1], A. Cooper[1], A. LeBaron[1], A. LeBaron[1] and J. D. Higley[1], (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[*1], C. Koning[2] and B. G. Clark[3], (1)Occupational Therapy, University of Alberta, Edmonton, AB, Canada, (2)Glenrose Rehabiliation 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[*1], L. Zwaigenbaum[2], I. M. Smith[1], J. Brian[3], W. Roberts[4], P. Szatmari[5] and S. E. Bryson[1], (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[*1,2], K. Fukuda[1], E. Vogel[1], M. A. Winter-Messiers[2], B. Gibson[3] and L. Moses[2], (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[*1], R. Manfredi[2] and J. E. Connell[3], (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[*1], B. Azadi[2], P. Asherson[3] and P. Bolton[4], (1)Institute of Psychiatry, London, United Kingdom, (2)Institue of Psychiatry, London, United Kingdom, (3)London, (4)Institute of Psychiatry

11:00 30 134.030 Do Measures of Crystallized Intelligence Lie on ASD?. A. San Jose Caballero[*], London De Crespigny Park, London, United Kingdom

WITHDRAWN

9:00 31 134.031 Eye Gaze Cueing In Fragile X and Autism: A Pilot Study. K. M. Venema[*], 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[*1,2], S. T. Kover[1], D. P. Benjamin[3], A. M. Mastergeorge[4], R. J. Hagerman[5] and L. Abbeduto[6], (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[*1], I. Soulières[2], L. Mottron[2] and A. Goel[1], (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[*], 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*, 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*[1], J. H. Foss-Feig[2], E. B. Lee[1], J. A. Crittendon[1], C. P. Burnette[3], E. Malesa[2], J. L. Taylor[4] and Z. Warren[1], (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*[1], D. Wilkinson[2], N. J. J. Minshew[3] and M. S. Strauss[4], (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* 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*[1], J. H. Filliter[1], T. J. Pleskac[2], J. Gillespie[1], S. Queller[3] and P. Corkum[1], (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*[1] and C. Jarrold[2], (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* 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*[1], D. Rubin[2] and D. A. Fein[1], (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*[1] and H. M. Geurts[2], (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* 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*, 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*, 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*[1], T. Vladusich[2], D. S. Kim[3], S. Grossberg[4] and H. Tager-Flusberg[1], (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*[1], H. Roeyers[2], P. Bijttebier[3] and J. R. Wiersema[2], (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*[1], L. Crane[2] and D. M. Bowler[3], (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*, E. S. Kuschner and L. G. Anthony, Center for Autism Spectrum Disorders, Division of Neuropsychololgy, Children's National Medical Center, Rockville, MD

10:00 51 134.051 Declarative Memory and Language In ASD. S. Anns*[1], S. Bigham[2], J. Boucher[1], A. Mayes[3] and D. M. Bowler[1], (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*[1] and M. A. Stokes[2,3], (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*[1] and J. M. Montgomery[2], (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*, 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*, 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*, Los Angeles, CA

10:00 57 134.057 Developmental Change In Theory of Mind: Late Onset, Yet Normal Rate of Development. M. Robberts-Hoogenhout*, 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[*1], M. W. Mosconi[1], L. Schmitt[1], S. Shresthra[1], E. H. Cook[2], M. E. Ragozzino[1,3] and J. A. Sweeney[1], (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[*1], B. Wolff[2], E. Moody[3], B. F. Pennington[4] and S. Hepburn[5,6], (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, Anscutz 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[*1], K. Koldewyn[2], S. Weigelt[2], E. Pellicano[3] and N. G. Kanwisher[2], (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[*] 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[*1], J. van Wijhe[2], D. M. Bernstein[3], A. M. Scheeren[1] and H. M. Koot[1], (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[*1], D. Murphy[2], C. Attucci[1], E. Klaric[1] and D. Burr[2], (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[*1], A. M. Estes[2], T. St. John[3], J. Munson[4] and G. Dawson[5], (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[*], 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[*1], A. Lukowski[2] and W. A. Goldberg[1], (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[*], 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[*1] and A. McCrimmon[2], (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[*1], K. Morasse[2] and N. Rouleau[3], (1)Centre de Recherche Université Laval Robert-Giffard, Québec, QC, Canada, (2)Service de pedopsychiatrie, Hotel-Dieu de Lévis, Levis, QC, Canada, (3)École 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[*1], L. R. Goodman[1], M. L. Tower[2], J. Baker[2] and S. A. Johnson[1], (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[*1], A. Wakabayashi[2], T. Uchiyama[3], Y. Yoshida[4], T. Koyama[5] and Y. Kamio[6], (1)Tokaigakuin 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[*1], A. McDuffie[2], S. W. Harris[3], S. T. Kover[2], A. M. Mastergeorge[4], R. J. Hagerman[5] and L. Abbeduto[6], (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[*1], A. Newbigin[2] and F. K. Chandler[3], (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[*1], E. Fernell[2], C. Gillberg[3] and C. von Hofsten[4], (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[*1], D. Mier[2], R. Adolphs[3] and S. Shimojo[3], (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[*1], M. Slusarczyk[2], L. N. Hancock[1] and S. M. Brown[3], (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[*1] and P. Hobson[2], (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[*], 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[*1] and D. Shoham[2], (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[*1], P. Szatmari[1], S. Georgiades[1], E. Duku[1], A. Thompson[1], S. E. Bryson[2], E. Fombonne[3], P. Mirenda[4], W. Roberts[5], I. M. Smith[2], T. Vaillancourt[6], J. Volden[7], C. Waddell[8] and L. Zwaigenbaum[9], (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[*], 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[*1] and W. L. Stone[2], (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[*1], C. McCormick[2], G. S. Young[3], S. Ozonoff[3] and S. J. Rogers[3], (1)Olga tennison Autism Research Centre, La Trobe University, Meloburne, 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[*1], B. C. F. Cheng[1], C. R. Holcomb[1] and R. Adolphs[1,2], (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[*1], K. Howarth[1] and A. Nadig[2], (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[*1], K. Ramdhonee[2] and I. Apperly[3], (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[*], 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[*1] and M. S. Falkmer[2], (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[*1], E. Globerson[2], M. Lavidor[1,3], L. Kishon-Rabin[4] and N. Amir[4], (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[*1], K. W. Chua[2], D. N. Wexler[1] and M. S. Strauss[1], (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[*1], D. Annaz[2], A. Karmiloff-Smith[1] and M. H. Johnson[1], (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[*1] and M. S. Strauss[2], (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[*1], J. Parish-Morris[2], R. T. Schultz[3] and S. Paterson[4], (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[*1], A. A. Lightbody[1], H. C. Hazlett[2], J. Piven[3] and A. Reiss[1], (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[*], School of Medicine, Nankai University, Tianjin, China

10:00 96 134.096 Electrophysiological Response to Words In Infants at Risk for ASD. A. Seery[*1], W. Talcott[2], V. Vogel-Farley[3], H. Tager-Flusberg[1] and C. A. Nelson[4], (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[*1], H. A. Henderson[2], L. Mohapatra[3], N. Kojkowski[2] and P. C. Mundy[4], (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[*1], R. Luyster[2], H. Tager-Flusberg[3] and C. A. Nelson[4], (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[*], 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[*1], C. Habak[2], H. R. Wilson[3], A. Perreault[1], L. Pagani[4], L. Mottron[5] and A. Bertone[1], (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[*1] and J. M. Bebko[2], (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[*1], C. M. Startin[2] and D. H. Skuse[3], (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[*1], J. Brock[2] and R. Palermo[3], (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[*], 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[*1], F. Shic[1], M. Meltvedt[1], J. Bradshaw[2] and K. Chawarska[1], (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[*], 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[*] 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[*1], J. Preston[2] and L. Bennetto[3], (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[*1] and H. A. Henderson[2], (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[*1], A. Lambert[2,3,4], A. C. Rochette[3,5,6], E. Chevrier[6], P. B. Scherzer[3], L. Mottron[7,8,9] and R. Godbout[6,10,11], (1)Psychology, Universite 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, Universite 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[*1], D. Brodeur[2], O. Landry[3], S. Rishikof[1] and J. A. Burack[1], (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[*1], M. M. Talley[1] and S. H. Mostofsky[2], (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[*], 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[*1], C. N. Lowe-Pearce[2], T. Vaillancourt[3], J. Volden[4], S. Georgiades[5], E. Duku[5], P. Szatmari[5], S. E. Bryson[1], E. Fombonne[6], P. Mirenda[7], W. Roberts[8], C. Waddell[9] and L. Zwaigenbaum[4], (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[*1], J. Lecompte[2], R. Doti[1] and J. Faubert[1], (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[*1], N. E. Foster[1], A. A. Simard-Meilleur[2] and L. Mottron[2], (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[*1], R. Gurnsey[2], M. Dawson[3], L. Mottron[3] and A. Bertone[1], (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[*1], S. E. Bryson[2] and R. M. Klein[1], (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[*1], J. L. Heacock[2], C. R. Jacobi[2] and C. J. Cascio[3], (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[*] 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[*1,2], S. Stefanini[3], L. D'Elia[2], G. Rizzolatti[3] and S. Vicari[2], (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[*1], S. Donnadieu[2], L. Mottron[3] and S. Valdois[1], (1)Laboratoire de Psychologie et Neurocogniton, Université Pierre Mendes France, Grenoble, France, (2)Laboratoire de Psychologie et Neurocogniton, 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.
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10:00 124 134.124 Induction of Contagious Yawning In Children with ASD with Gaze-Contingent Stimulus Display. S. Usui[*1], A. Senju[2], Y. Kikuchi[1], H. Akechi[1], Y. Tojo[3], H. Osanai[4] and T. Hasegawa[1], (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[*1], L. Kenworthy[1], M. C. Wills[1], G. L. Wallace[2] and B. Yerys[1], (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[*1], C. Paquin-Hodge[1], A. Bertone[2] and L. Mottron[1], (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 Austism Spectrum Disorders: Visual Contrast Sensitivity, Faces Vs. Objects, and Theory of Mind Tasks. M. McIntire*[1], P. Pallett[2], L. J. Carver[3] and K. R. Dobkins[3], (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*[1], A. Gantman[2] and E. A. Laugeson[3], (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*[1] and Y. S. Sininger[2], (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*, 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*[1], J. McDonald[1] and G. Iarocci[2], (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*[1], T. Charman[1], J. Swettenham[2], A. J. S. Marsden[3], J. Tregay[3], G. Baird[4], E. Simonoff[5] and F. Happe[5], (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*[1], J. Emmons-Garzarek[2], J. B. Northrup[3], J. Paredes[4], W. Jones[1] and A. Klin[1], (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*[1] and S. H. Mostofsky[2], (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*[1], S. V. Shepherd[2], W. Jones[1], A. Klin[1] and A. A. Ghazanfar[2], (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*, 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. Isenhower*[1] and E. B. Torres[2], (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*[1], J. M. Bebko[1], L. Saleh[2], J. H. Schroeder[3] and J. A. Weiss[1], (1)Department of Psychology, York University, Toronto, ON, Canada, (2)Psychology, York University, Toronto, ON, Canada, (3)Psychology, York University, Toronto, Toronto, ON, Canada

10:00 139 134.139 Spatial Navigation In Children with ASD: An Examination of Search Strategy Sub-Types. N. M. Ing*, M. Robberts, 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*[1], J. B. Northrup[2], D. Lin[3], A. Klin[1], W. Jones[1] and G. Ramsay[1], (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*, 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*[1], L. Bennetto[2] and S. L. Hyman[3], (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*[1], M. D. Kaiser[2], Z. Fermano[3], D. R. Sugrue[2] and M. Shiffrar[1], (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*[1], K. Gillespie-Lynch[2], A. Marroquín[3], M. Sigman[3], T. Hutman[4] and S. P. Johnson[5], (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*[1], M. M. Talley[2] and S. H. Mostofsky[3], (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*[1], E. D. Bigler[2], P. T. Fletcher[3], A. L. Alexander[4], A. Froehlich[5], K. M. Maasberg[6], E. Papadopoulos[7], B. A. Zielinski[8], N. Lange[9] and J. E. Lainhart[10], (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, SLC, 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*[1], D. K. Shukla[2], J. Treiber[2], B. Keehn[1] and R. A. Muller[2], (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*[1], J. D. Rudie[1], N. L. Colich[1], L. M. Hernandez[1], S. Y. Bookheimer[2], M. Iacoboni[3] and M. Dapretto[1,2], (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*[1], R. J. Holt[1], L. R. Chura[1], J. Suckling[2], E. T. Bullmore[2] and S. Baron-Cohen[1], (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[*1], S. Shultz[1], A. M. Berken[2] and K. A. Pelphrey[1], (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[*], R. T. Schultz, M. Riley, E. T. Hunyadi, J. Letzen and J. D. Herrington, 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[*1], C. Nelumdeniya[1], J. P. Hamm[1], B. W. Johnson[2], J. Brock[2] and M. J. Hautus[1], (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[*1], Z. Xue[1], T. M. Ellmore[2], R. E. Frye[2], B. Malmberg[2] and S. T. Wong[1], (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

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[*1], L. Turner-Brown[2], M. J. Siller[3], G. T. Baranek[4] and C. Kasari[5], (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[*], A. Snow and K. Chawarska, 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[*1], K. Gillespie-Lynch[2], G. Park[3], M. Sigman[4], S. P. Johnson[3] and T. Hutman[5], (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

2:00 137.004 Accelerating the Pace of Treatment Research In Autism Spectrum Disorder. L. A. Vismara[*1], G. S. Young[2] and S. J. Rogers[1], (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[*1], K. Lierheimer[1], T. R. Schultz[2] and M. Herzog[3], (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[*1], S. G. McGrew[2], C. P. Burnette[3], K. Adkins[1], S. E. Goldman[1], D. Wofford[1], K. L. Surdyka[1], D. Fawkes[1] and L. Wang[4], (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[*1], L. Cole[2], A. M. Reynolds[3], T. Clemons[4] and D. L. Coury[5], (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[*1], C. A. Erickson[2], L. Ginsberg[3], B. Rathmell[4], M. Cherubini[5], P. Zarevics[6] and B. King[7], (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
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[*1], S. E. Bryson[2], I. M. Smith[2], P. Szatmari[3], J. Brian[4], W. Roberts[4], C. Roncadin[5] and T. Vaillancourt[6], (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[*1], L. Zwaigenbaum[2], J. A. Brian[3], S. E. Bryson[4], I. M. Smith[4], P. Szatmari[5] and C. Roncadin[6], (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[*1], M. Elsabbagh[2], A. Senju[2], T. Gliga[2], A. Pickles[3], T. Charman[1], M. H. Johnson[4] and .. The BASIS Team*[5], (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[*] 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. Parladé[*], 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[*], 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[*1], K. Gillespie[2], M. C. Frank[3], W. Frankenhuis[1], S. S. Jeste[4], M. Dapretto[5] and T. Hutman[4], (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[*1], L. Gomez[2], K. Gillespie-Lynch[3], A. Rozga[4], M. Sigman[2] and S. P. Johnson[5], (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

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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 today to complete a membership application.

Aldebaran Robotics
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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

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, biannual conferences, and think tanks.

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Email: Jcarter@autismsciencefoundation.org
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
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.

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Online Community Director
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Phone: (443) 923-4140
Email: 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.

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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.

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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
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Email: nimhinfo@nih.gov
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
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Baltimore, MD 21201
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Email: btbumab@umaryland.edu
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.

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Office of Autism Research Coordination
Office of Autism Research Coordination
National Institute of Mental Health
National Institutes of Health
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Rockville, MD 20852
Iaccpublicinquiries@mail.nih.gov
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.

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Phelan-McDermid Syndrome Foundation
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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.

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