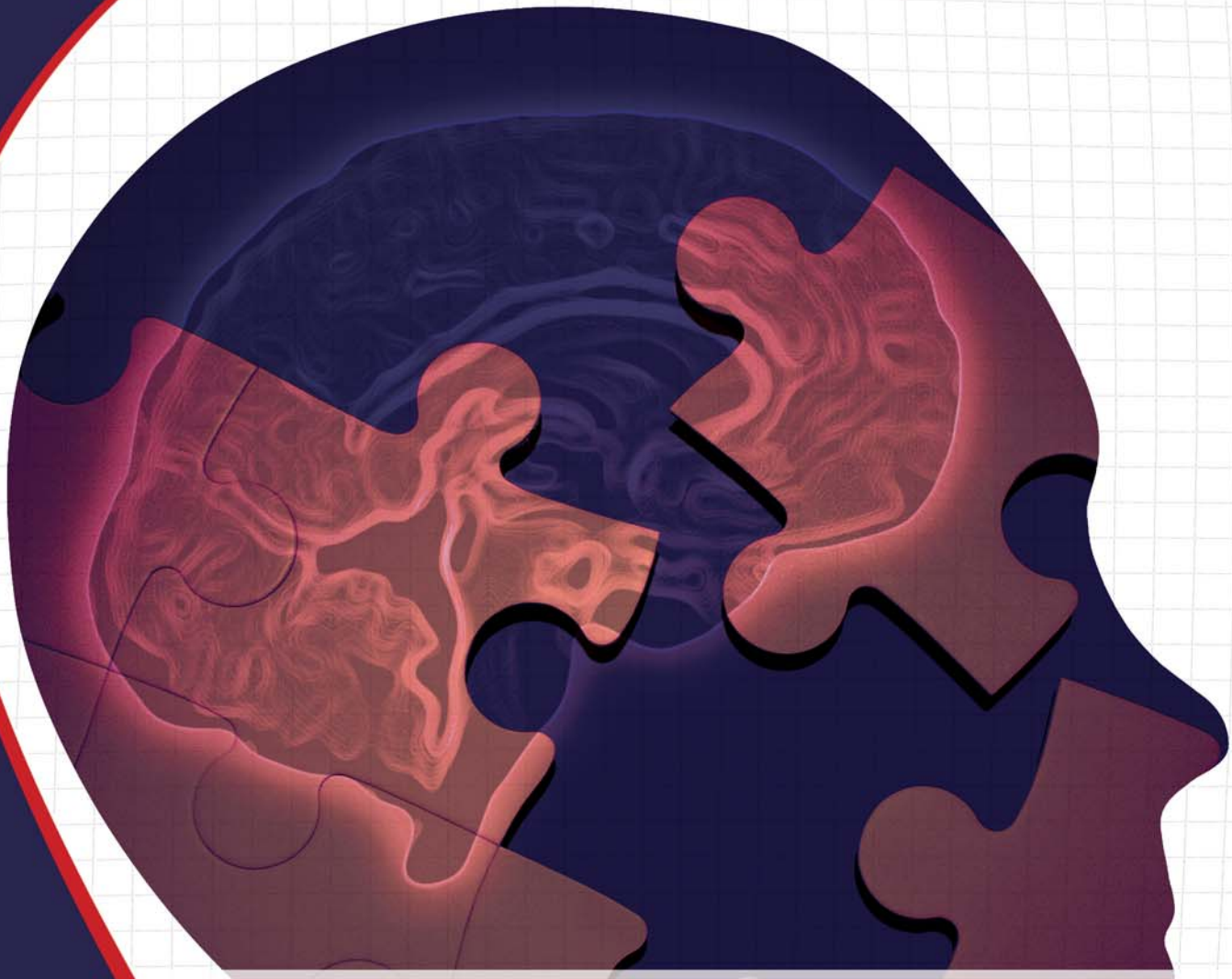
International Meeting For Autism Research

May 17-19, 2012

Sheraton Centre Toronto ■ Toronto, Ontario, Canada



IMFAR

INTERNATIONAL MEETING FOR AUTISM RESEARCH

www.autism-insar.org

PROGRAM BOOK

IMFAR WELCOME

Welcome to Toronto! We are very excited to have IMFAR back for the second time in Canada (eh!) and for the first time in the dynamic city of Toronto! We hope you will enjoy some of the attractions including the famous CN Tower, the historic St. Lawrence Market and the exciting entertainment district.

There is a wonderful program planned for you. The Scientific Program Committee reviewed a record number of abstracts, and under the leadership of Drs. Stephen Scherer and Peter Szatmari, has planned what is sure to be an outstanding meeting. The keynote speakers will excite and inspire with new information and perspectives from research into autism and other fields of study. The Invited Educational Symposia cover diverse topics and integrate basic and clinical sciences, and the Oral and Poster sessions promise to be superb. Other highlights will include the Special Interest Group meetings, the 'Meet the Experts' luncheon for trainees, and the always popular Technology Poster Session. The Lifetime Achievement Award and Advocate Award presentations are sure to be memorable. We have also lined up some talented entertainers for the reception on Thursday night that you won't want to miss!

This year's meeting would not have been possible without the tireless efforts of many special people. We would like to acknowledge and thank the INSAR Board for their support and guidance, as well as the Scientific Program Committee and the many abstract reviewers who have striven to ensure the excellence of the science presented at IMFAR. A special thank you goes to Joe Dymek of ConferenceDirect, whose invaluable assistance throughout the planning process was instrumental in making this meeting a success.

We also thank the members of the Meeting Planning Committee for their many contributions, including their inspired efforts in planning an outstanding stakeholder preconference prior to the main meeting.

Margaret Clarke	David Nicholas
Mayada Elsabbagh	Adrienne Perry
Suzanne Lanthier	Margaret Spoelstra

Once again, welcome to Toronto and enjoy every minute of your time here.

Lonnie Zwaigenbaum
Meeting Co-Chair

Wendy Roberts
Meeting Co-Chair

TABLE OF CONTENTS

SCIENTIFIC PROGRAM

The Meeting in San Diego 2011 marked the end of IMFAR's first decade. This meeting in Toronto 2012 marks the start of our second. From this new beginning derives the theme of what we hope will be an exciting, informative and stimulating meeting for autism researchers from around the world. This conference "looks ahead to the next decade of autism research". We hope that speakers and participants will ask questions such as: "where do we want to be at the end of this next decade", "how are we going to get there", "what are the barriers that need to be overcome", and "what are the opportunities that we need to take advantage of?" We hope that you will be able to obtain the answers to some, if not all, of these questions as you attend the Conference in this wonderful city.

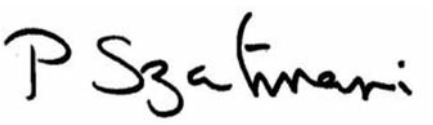
It is remarkable to take a moment and think back over the last decade of IMFAR meetings. We started out largely as a North American group of researchers with a heavy interest in developmental psychopathology. The face of autism research has changed dramatically in this last decade to include scientists who come from disciplines that at first glance have only a marginal relationship with autism. We suspect that when these scientists started their careers they probably never thought they would work in the autism field (and that is certainly the case for one of us!). It is the influx of these scientists with their methods, ideas and technologies and their commitment to multidisciplinary and interprofessional collaboration that has led to the explosion of knowledge in our field and to the asking of more subtle, relevant, and important questions. Transferring these ideas and experiences to our students and trainees is another critical goal of our meeting and we hope you take a special interest in their presentations and posters.

In this spirit of looking outward, we have chosen keynote speakers who have some familiarity with autism but are largely known for their significant contributions to other areas. We firmly believe they can bring a new perspective to the next decade of autism research. We have asked each of them to provide a historical summary of where their field has come from, to briefly summarize the current situation, and to highlight important avenues for collaboration and "cross-talk" over the next decade. We have attempted to provide educational symposia that are innovative and also highlight emerging fields. We have also attempted to broaden the scope of our panels to reflect this growing multi-disciplinary work. This year the number of submissions for scientific panels and posters far exceeded our available slots and so acceptance was more competitive. We see this as a positive step and a recognition of the accelerated pace of international, world class science taking place in our field.

We hope that you enjoy the conference, that you enjoy meeting old friends and making new ones, and more importantly, that you come away energized, informed and ready to embark on the next decade's work of scientific enterprise. Much has been accomplished, but much remains to be done.

We want to take a moment and recognize the incredible work of the Program Committee *(see listing on page 14 for committee members and abstract reviewers)* who helped us decide which submissions to accept, where to place them, and how to get the most out of a day where sessions complement each other. Their dedication to the scientific enterprise of our organization is truly remarkable. We also need to thank the staff at INSAR, especially Jennifer Gentry, who kept us on a tight leash as we tried to meet deadlines and the staff at Confex, especially Richelle Topping, who made the job of designing this program manageable.

Being a scientist means always trying to stay on the "edge" of what is known. It can be a daunting experience but also exhilarating. We hope that you will feel like you are in good company here in Toronto and come away excited, having a clearer sense of the important research questions to be addressed in the "next decade of IMFAR."



Peter Szatmari
Scientific Program Co-Chair

Stephen Scherer
Scientific Program Co-Chair

PRESIDENT'S WELCOME

It is a genuine pleasure to welcome you to IMFAR 2012! We are looking forward to an exciting and stimulating meeting together with almost 2,000 colleagues, who represent all the major research disciplines involved in autism research as well as other key stakeholders in the autism community.

As you all know, IMFAR, the International Society for Autism Research, is the centerpiece of our professional organization which I am currently privileged to lead in the role of president. The work of INSAR is carried out by the Board of Directors and our enthusiastic and dedicated committees. This year we are so grateful to the Chairs of the two key committees who are responsible for organizing IMFAR: Lonnie Zwaigenbaum and Wendy Roberts, our Meeting Co-Chairs, who also organized an exciting pre-conference meeting for the Canadian professional and parent communities, and Peter Szatmari and Stephen Scherer, the Scientific Program Co-Chairs. Along with the members of their committees, they have put in many long hours to ensure that this meeting will be the huge success that we all anticipate. These Committees receive an enormous amount of administrative help and support from several people who are responsible for all the behind the scenes work that bring our meeting to life: at Association Resources, M. Suzanne Berry, Jennifer Gentry and Kate Flaherty; at Convex Technologies, Richelle Topping, and last but not least, Jennifer Marshall, and especially Joe Dymek at Conference Direct. I am truly grateful to all these people for their devotion to IMFAR and INSAR, not only for these few days in May, but all year long!

The success of our meeting goes beyond this group of people. We are grateful to the Co-Chairs of our PR Committee, Alison Singer and Dana Marnane, who once again have taken on the challenge of disseminating many of the exciting research findings that we'll be hearing about over the next few days to the media and world wide autism community. The Chairs and members of several other INSAR Committees are also key to many of the activities planned for this meeting: the SIGs (expanded this year, under the leadership of Beth Malow and Laura Anthony; the Student Committee, co-chaired by Mark Shen and Michele Villalobos; the Awards Committee, chaired by Jamie McPartland; the Cultural Diversity Committee, co-chaired by Marshalyn Yeargin-Allsopp and Tamara Daley; and the Community Advisory Committee, chaired by Peter Bell. We will all be benefiting from the work they have put into planning for this meeting. Finally, I must take this opportunity to thank all our sponsors whose financial support is critical to our ability to bring so many people to this meeting who would otherwise not be able to attend.

This year we have taken a number of important steps in the growth of our organization. This is all made possible by the INSAR Board — including our Past President, David Amaral and Past Treasurer, Laura Klinger — (their leadership from 2009-2011 ensured that I was taking over a professional organization that is in excellent shape); our Vice President Lonnie Zwaigenbaum; Treasurer Kevin Pelphrey; Secretary Nancy Minshew; and Tony Bailey, editor of our flagship journal, *Autism Research*. This extraordinary group is a genuine pleasure to work with. Their wisdom and energy have helped to foster several important advances this year. First, I hope that many of you will have already logged onto our new website — this was made possible by the hard work of our web editor, Christa Anderson, and the Website Committee under the able leadership of Simon Baron-Cohen. Second, the Board held a Strategic Planning Meeting at the end of 2011 to develop our mission statement and set of strategic initiatives that will drive our work over the next few years. Information about this may be found on the website. We will be depending on our Committees to help us to implement our new initiatives. I encourage all of you to learn more about us from the website, or by contacting me in person. We would love to have you involved in helping us move forward in the second decade of our organization!

Enjoy the Meeting! Please don't forget to give us feedback after the Meeting (watch for the online survey) about your experience so that we can find ways of improving each year.

Helen Tager-Flusberg, Ph.D.
President, INSAR

Sheraton Centre Hotel — Toronto, Canada
Hotel Floor Plan

Meeting Facilities

M	Carleton
2	Churchill Foyer
2	Churchill Room
2	City Hall Room
2	Civic Ballroom
2	Civic Foyer
M	Conference Room A
M	Conference Room B
M	Conference Room C
M	Conference Room D
M	Conference Room E
M	Conference Room F
M	Conference Room G
M	Conference Room H
4	Cosmopolitan
2	Dominion Ballroom
2	Dominion Foyer
2	Dufferin
2	Elgin
M	Essex Ballroom
M	Essex Foyer
4	Executive Suite
4	Gingersnap
4	Gold Rush
LC	Grand Ballroom
LC	Grand Ballroom Foyer
2	Huron
4	Ice Palace
2	Kenora
2	Kent
L	Office
M	Telepresence Room
LC	Osgoode Ballroom
LC	Osgoode Foyer
M	Oxford
M	Peel
2	Simcoe
LC	Sheraton Hall A–F
4	Spindrift
4	Spring Song
C	VIP Room
C	Vide
2&M	Waterfall Garden
2	Wentworth
M	Windsor East
M	Windsor West
M	York

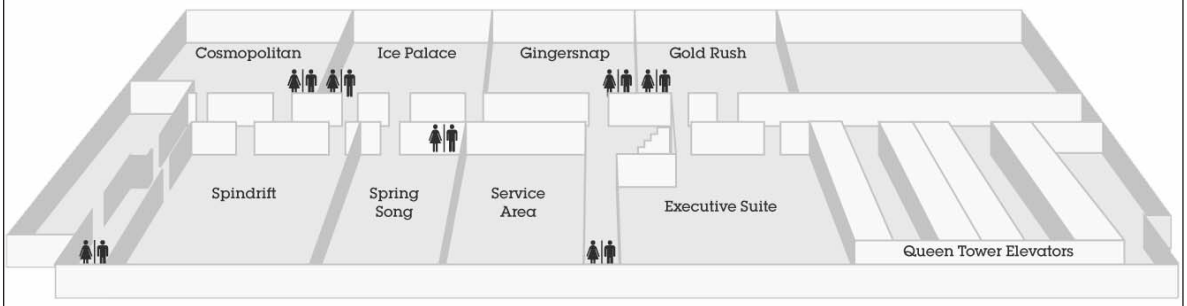
Hotel Services

L	Arrival Court
C	ATM
L	Baggage Room
L	Bell Desk
2	Bistro on Two
L	Business Centre
C	Convention Registration
C	Currency Exchange
C	Food Court
L	Front Desk
L	Quinn's Steakhouse
L	Link @ Sheraton
L	Lobby Cafe
C	Parking (City Hall Underground Lot)
C	PATH Underground Network
C	PSAV Audio Visual Services
LC	Receiving/Loading Dock
C	Security
L&C	Sheraton Shops
L	SPG/Club Reception
L	Traders
L	Tour Desk
L	Valet Parking
LC	Vide Office
C	VIP Room
2&M	Waterfall Garden

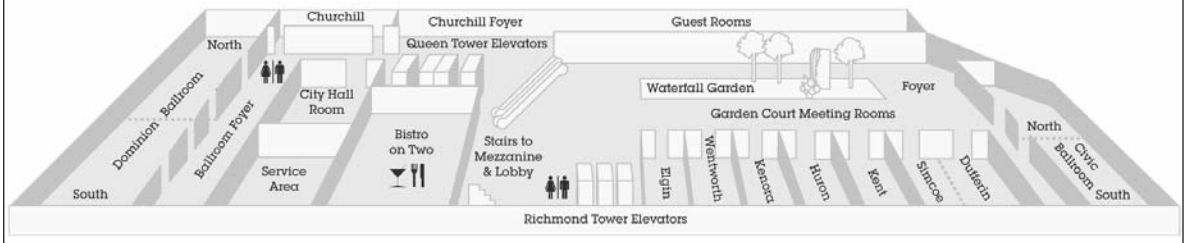
Service Symbols

$	ATM
	Coatcheck
	Food Court
Ⓟ	Parking (City Hall Lot)
	Restaurants
	Washrooms
	Wheelchair Accesible Elevator

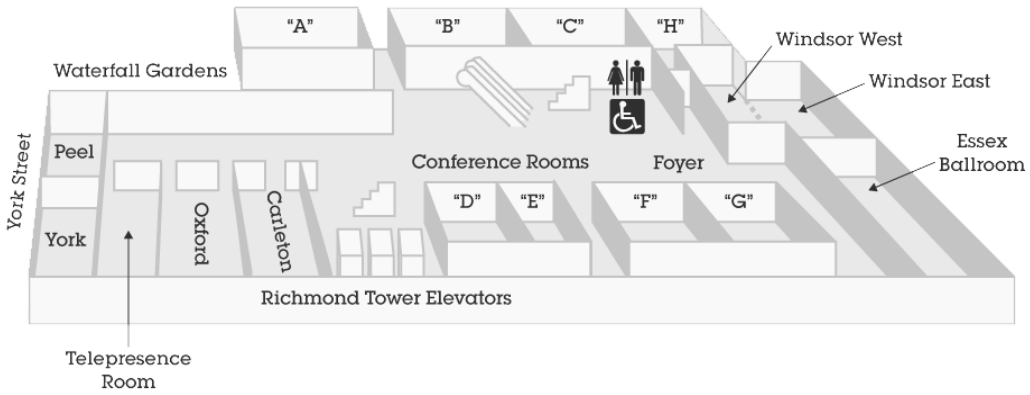
4TH FLOOR



2ND FLOOR

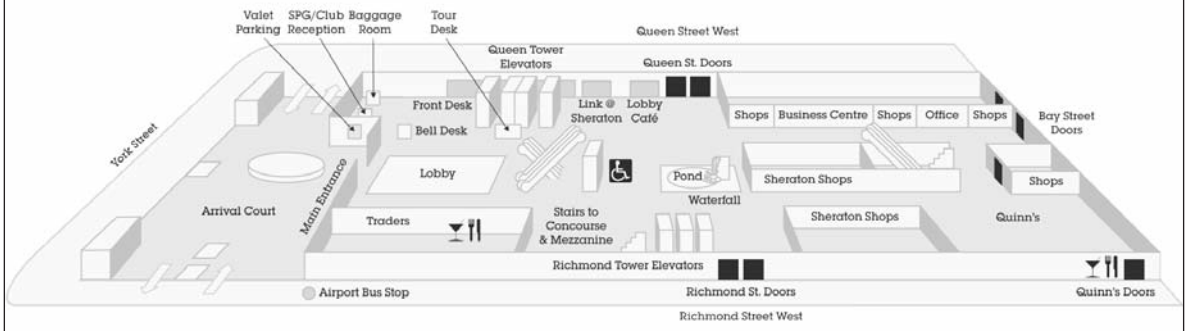


MEZZANINE



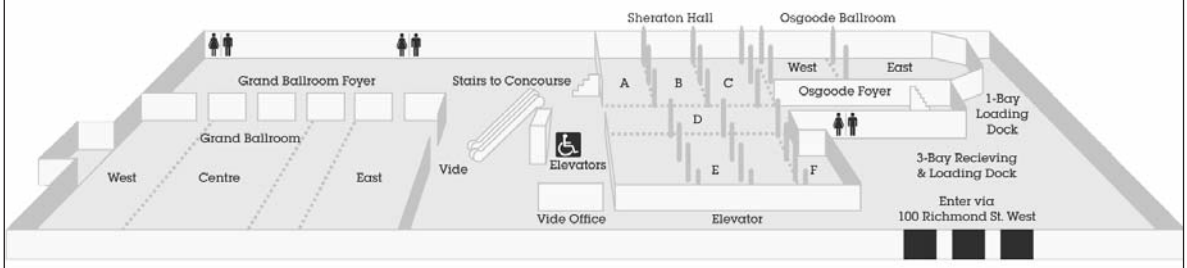
Sheraton Centre Hotel — Toronto, Canada
Hotel Floor Plan

LOBBY



CONCOURSE

LOWER CONCOURSE



Meeting Facilities

M	Carleton
2	Churchill Foyer
2	Churchill Room
2	City Hall Room
2	Civic Ballroom
2	Civic Foyer
M	Conference Room A
M	Conference Room B
M	Conference Room C
M	Conference Room D
M	Conference Room E
M	Conference Room F
M	Conference Room G
M	Conference Room H
4	Cosmopolitan
2	Dominion Ballroom
2	Dominion Foyer
2	Dufferin
2	Elgin
M	Essex Ballroom
M	Essex Foyer
4	Executive Suite
4	Gingersnap
4	Gold Rush
LC	Grand Ballroom
LC	Grand Ballroom Foyer
2	Huron
4	Ice Palace
2	Kenora
2	Kent
L	Office
M	Telepresence Room
LC	Osgoode Ballroom
LC	Osgoode Foyer
M	Oxford
M	Peel
2	Simcoe
LC	Sheraton Hall A–F
4	Spindrift
4	Spring Song
C	VIP Room
C	Vide
2&M	Waterfall Garden
2	Wenthworth
M	Windsor East
M	Windsor West
M	York

Hotel Services

L	Arrival Court
C	ATM
L	Baggage Room
L	Bell Desk
2	Bistro on Two
L	Business Centre
C	Convention Registration
C	Currency Exchange
C	Food Court
L	Front Desk
L	Quinn's Steakhouse
L	Link @ Sheraton
L	Lobby Cafe
C	Parking (City Hall Underground Lot)
C	PATH Underground Network
C	PSAV Audio Visual Services
LC	Receiving/Loading Dock
C	Security
L&C	Sheraton Shops
L	SPG/Club Reception
L	Traders
L	Tour Desk
L	Valet Parking
LC	Vide Office
C	VIP Room
2&M	Waterfall Garden

Service Symbols

$	ATM
	Coatcheck
	Food Court
Ⓟ	Parking (City Hall Lot)
	Restaurants
	Washrooms
	Wheelchair Accesible Elevator

SCHEDULE-AT-A-GLANCE

WEDNESDAY May 16

4:00-8:00P	Registration – Concourse

THURSDAY May 17

6:30-5:00P	Registration – Lower Concourse			
7:15-8:15A	Coffee and Pastries – Grand Ballroom Foyer			
8:00-5:00P	**Exhibits** – Sheraton Hall			
8:00-8:30A	Greetings from the IMFAR Organizers – Grand Ballroom			8:00-12:30P **Poster Session** – Sheraton Hall Animal Models Brain Imaging: Functional Brain Imaging: Resting State fcfMRI & Structural Imaging Cell Biology Genetics and Genomics Neuropathology Neurophysiology I Neurophysiology II
8:30-8:45A	Introduction: Autism Speaks – Grand Ballroom			
8:45-9:00A	Introduction: Simons Foundation – Grand Ballroom			
9:00-10:00A	**Keynote Address**: Ruth Feldman – Bio-behavioral Synchrony and the Development of Social Reciprocity – Grand Ballroom			
10:00-10:30A	Break – Sheraton Hall			
10:30-12:30P	**IES** – Grand Ballroom Centre Friendship in ASD through the Life Span: Nature, Trajectories, Importance and Treatment			
10:30-12:30P	**Oral Session** – Grand Ballroom East Smaller Trials, Treatment Factors	**Oral Session** – Grand Ballroom West Clinical Phenotype: Assessing Diagnostic Criteria	**Oral Session** – Osgoode Ballroom East Biological Mechanisms & Animal Models	
12:30-1:45P	Lunch Break – On Your Own			
12:30-1:45P	**Cultural Diversity Networking Luncheon** – City Hall Room			
12:30-1:45P	**Session**: Overview and Hands-On Training of NDAR and the Autism Informatics Grid – VIP Room			
2:00-4:00P	**IES** – Grand Ballroom Centre Communicating Autism Science			1:00-5:30P **Poster Session** – Sheraton Hall Clinical Phenotype Genetic, Prenatal & Biological Risk Factors Impact of Families & Quality of Life Schools, Employment & Community Screening, Incidence, Prevalence & Study Methods Social Risk Factors & Influences on Phenotype Use, Access & Evaluation of Services
2:00-4:00P	**Oral Session** – Grand Ballroom East Large, Controlled Trials	**Oral Session** – Grand Ballroom West Cognition & Behavior: Across the Lifespan	**Oral Session** – Osgoode Ballroom East Clinical Phenotype: Influences	
4:00-4:30P	Break – Sheraton Hall			
4:30-6:00P	**INSAR Awards Ceremony** – Grand Ballroom Centre Lifetime Achievement Award – Susan Folstein, M.D. Advocate Award – Temple Grandin, Ph.D. (pre-recorded message) Slifka/Ritvo Innovation in Autism Research Awards (to be announced)			
6:00-8:00P	**Reception** Dominion Ballroom			

Abstracts 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 18

6:30-5:00P	Registration – Lower Concourse				
7:00-8:30A	Coffee & Pastries – Grand Ballroom Foyer				
7:00-8:30A	**SIG** – Dominion Ballroom South	**SIG** – Dominion Ballroom North	**SIG** – Osgoode Ballroom East	**SIG** – VIP Room	
8:00-5:00P	**Exhibits** – Sheraton Hall				
8:45-9:00A	Introduction: NIH – Grand Ballroom				
9:00-9:45A	**Keynote Address**: Bernie Devlin - Common and Rare Genetic Variants in the Etiology of ASD: Where Is the Field Heading?– Grand Ballroom			8:00-12:30P Sheraton Hall **Innovative Technologies Demonstration Session**	8:00-12:30P **Poster Session** – Sheraton Hall Electrophysiology: Early Signs Social Skills, Schools, Stress Early Intervention Pharmacologic, Treatment Factors, Outcome Measures
9:45-10:15A	Break – Sheraton Hall				
10:15-12:15P	**IES** – Grand Ballroom Centre Biology-based Classification and Prediction in Autism Spectrum Disorders: Promises and Pitfalls				
10:15-12:15P	**Oral Session** – Grand Ballroom East Genetics I	**Oral Session** – Grand Ballroom West Brain Imaging: fMRI-Cognition, Motion Perception and Function, and Reward Processing	**Oral Session** – Osgoode Ballroom East Epidemiology		
12:15-1:30P	Lunch Break – On Your Own				
12:15-1:30P	**Student "Meet-the-Experts" Luncheon** (pre-registration required) – Dominion Ballroom South				
12:15-1:30P	**Autism Community Stakeholders Luncheon** – Dominion Ballroom North				
1:30-3:30P	**IES** – Grand Ballroom Centre Progress, Pitfalls, and Potential of Postmortem Human Brain Research on Autism				1:00-5:30P **Poster Session** – Sheraton Hall Cognition & Behavior I Cognition & Behavior II Cognition & Behavior III Cognition & Behavior IV Cognition & Behavior V
1:30-3:30P	**Oral Session** – Grand Ballroom East Early Developmental Processes and Trajectories in ASD: Infant and Toddler Studies	**Oral Session** – Grand Ballroom West Core Symptoms	**Oral Session** – Osgoode Ballroom East Stakeholder Experience		
3:30-4:00P	Break – Sheraton Hall				
4:00-5:00P	**Session**: An Update on the DSM-5 Recommendations for Autism Spectrum Disorder and Other Neurodevelopmental Disorders – Grand Ballroom Centre				
4:00-5:00P	**Scientific Panel** – Grand Ballroom East CNVs in ASD Molecular Findings, Clinical Outcomes and Ethical – Implications	**Scientific Panel** – Grand Ballroom West Social Perception in Toddlers with ASD: Methodological and Conceptual Considerations	**Scientific Panel** – Osgoode Ballroom East Lullaby and Good Night or Tomorrow Is Gonna Be A Tough Day: Research Predictions for the Influence of Disturbed Sleep and What We Can Do		
5:00-6:00P	**Scientific Panel** – Grand Ballroom East Disrupted Neural Circuitry in Autism	**Scientific Panel** – Grand Ballroom West Challenges for Children with ASD in School: Teaching Strategies and Learning Outcomes	**Scientific Panel** – Osgoode Ballroom East Implications of DSM-5 Criteria for the Recognition of Autism Spectrum Disorders: Clinical and Epidemiological Considerations		

SATURDAY May 19

6:30-3:00P	Registration – Lower Concourse			
7:00-8:30A	Coffee & Pastries – Grand Ballroom Foyer			
7:00-8:30A	**SIG** – Dominion Ballroom South	**SIG** – Dominion Ballroom North	**SIG** – Osgoode East	**SIG** – VIP Room
8:00-1:00P	**Exhibits** – Sheraton Hall			
8:45-9:00A	Introduction: CIHR – Grand Ballroom			
9:00-9:45A	**Keynote Address**: Alan Evans – Structural Connectivity in Neurodevelopment – Grand Ballroom			8:00-12:30P **Poster Session** – Sheraton Hall Clinical Phenotype : Measurement Clinical Phenotype: Medical & Biological Profiles Comorbid Medical Conditions Comorbid Psychiatric & Behavioral Conditions Core Deficits & Symptoms Core Deficits & Symptoms II Core Deficits & Symptoms III
9:45-10:15A	Break – Sheraton Hall			
10:15-12:15P	**IES** – Grand Ballroom Centre Challenges and Opportunities in Conducting Global ASD Research			
10:15-12:15P	**IES** – Dominion Ballroom Anxiety in Autism Spectrum Disorders: From Biology to Treatment			
10:15-12:15P	**Oral Session** – Grand Ballroom East Brain Imaging: Development, Structure, and Genetics	**Oral Session** – Grand Ballroom West Electrophysiological Correlates of Autism Spectrum Disorder	**Oral Session** — Osgoode Ballroom East Medical, Psychiatric and Behavioral Comorbidities in ASD	
12:15-1:30P	Lunch Break – On Your Own			
12:30-1:30 P	**INSAR Business Meeting** – Grand Ballroom Centre			
1:30-3:30P	**IES** – Grand Ballroom Centre Rethinking Interventions and Implementation Strategies for Under-Resourced Areas			
1:30-3:30P	**IES** – Dominion Ballroom Methodologic Challenges in Risk Factor Epidemiology: Advancing the State of Research			
1:30-3:30P	**Oral Session** – Grand Ballroom East Brain Imaging: fMRI Social Cognition and Emotion Perception	**Oral Session** – Grand Ballroom West Services	**Oral Session** – Osgoode Ballroom East Genetics II	
3:30-4:30P	**Session**: Data Management for Autism Research – Grand Ballroom West			

Speaker-Ready Room for Oral Presenters

Location: Elgin Room located on the 2nd floor

All speakers should stop by the Speaker Ready Room to upload their slides prior to their presentation time. A staff person will be available to 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 16 .....3:00 p.m. - 6:00 p.m.
Thursday, May 17.....8:00 a.m. - 5:00 p.m.
Friday, May 18 .....8:00 a.m. - 5:00 p.m.
Saturday, May 19.....8:00 a.m. - 1:30 p.m.

If speakers do not upload their slides ahead of time, they can still load them on to the computer before they present. However, if there are problems loading the presentation just before presenting, the speaker runs the risk of using up his/her presentation time.

Thursday, May 17

Student Social Event

8:30 p.m. – 11:30 p.m. • The Rivoli

Student members are invited to attend the third annual Student Social Event at The Rivoli Pool Hall and Bar (334 Queen St.) 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.

Cultural Diversity Networking Luncheon

12:30 p.m. – 1:45 p.m. • Sheraton Centre Toronto – City Hall Room

A complimentary lunch will be provided by a generous contribution from the Hilibrand Foundation. Pre-registration is not required.

Overview and Hands-on Training of NDAR and the Autism Informatics Grid

12:30 p.m. – 1:45 p.m. • Sheraton Centre Toronto – VIP Room

This session will focus on educating the broader scientific community on the opportunities now provided by NDAR and its federation partners. Presentations and a hands-on training session will educate those attending on how to use the increasingly vast informatics grid being developed by and for the autism research community. Bring your lunch. Pre-registration is not required.

Friday, May 18

Student "Meet-the-Experts" Roundtable Luncheon

(by pre-registration only)

12:15 p.m. – 1:30 p.m. • Sheraton Centre Toronto – Dominion Ballroom South

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 current INSAR Student members (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. Pre-registration is required.

Community Advisory Committee (CAC)
Autism Community Stakeholder* Luncheon

12:15 p.m. – 1:30 p.m. • Sheraton Centre Toronto – Dominion Ballroom North

A complimentary box lunch will be served. This event is sponsored by Autism Speaks. Pre-registration is not required.
*Community stakeholders include individuals living with autism and their families /caretakers.

Saturday, May 19

Data Management for Autism Research

A panel of experts discuss best practices in integrated data management for Autism research.

3:30 p.m. – 4:30 p.m. • Sheraton Centre Toronto – Grand Ballroom West

Studies of autism have become increasingly collaborative over the past decade, and now often include collecting or generating biospecimen, imaging, and genetic data in addition to extensive batteries of behavioral phenotype data. Such integration challenges are often coupled with needs remote or longitudinal data collection from family members and other "reporters" beyond the proband. The panelists will discuss commonly available platforms and best practices that ensure integration challenges are met in ways that are HIPAA/HITECH compliant and that focus on data persistence, sharing and re-usability.
Panelists: Dan Hall (NDAR), Leon Rozenblit (Prometheus Research), Paul Law (IAN)
Pre-registration is not required.

IMFAR 2012 KEYNOTE SPEAKERS

Bernie Devlin, Ph.D.

Bernie Devlin's research has two major foci, the development of statistical methods for the analysis of genetic data and the implementation of those methods to discover the genetic basis of disease, especially autism, schizophrenia, and neurodegenerative disorders. His work has been recognized by admission as a fellow to the American Association for the Advancement of Science. He chaired the Access Committee for the Center for Inherited Disease Research (CIDR), which is a U.S. government-funded genotyping center that performs massive genotyping and sequencing. The CIDR Access Committee or CAC is charged with judging the value of proposals for access to CIDR for genomewide association studies, among other kinds of genetic studies. He is currently a member of another NIH Independent Review Group, Genetics of Human Disease, and he serves on various advisory boards.

Alan Evans, Ph.D.

Professor Alan Evans did his Ph.D. in biophysics at Leeds University in the UK, studying 3D protein folding. He spent five years at Atomic Energy of Canada, working on the physics and analysis of PET images. In 1984 he moved to the Montreal Neurological Institute (MNI) at McGill where his research interests include multi-modal brain imaging with PET and MRI, structural network modeling and large-scale brain databasing.

He has published 400+ peer-reviewed papers and has held numerous leadership roles, most notably as director of the McConnell Brain Imaging Centre (BIC) during the 1990s. Dr. Evans is a founding member of the International Consortium for Brain Mapping (ICBM). He was one of the founders of the Organization for Human Brain Mapping (OHBM), serving in numerous positions on the OHBM Council since 1995. He chaired the 4th International Conference on Human Brain Mapping in 1998. In 2003 he received a CIHR Senior Scientist Award. He is P.I. of the Montreal Consortium for Brain Imaging Research (MCBIR), a $35M initiative to link the BIC with six institutions investigating brain development and aging, cognitive neuroscience and addiction. MCBIR employs using MRI/PET/MEG and large-scale data processing for human and animal studies.

Dr. Evans heads the data coordinating center for a large NIH-funded multi-center MRI study of normal pediatric development. This project provides a web-accessible reference database of normal maturation. The technologies developed here, notably (i) web-based imaging/behavioral database, (ii) automated MRI segmentation pipeline, (iii) brain-behavior correlation analysis for volume- or surface-based data, are now used in a series of network collaborations studying abnormal pediatric development (MAVAN, IBIS, NeuroDevNet, GUSTO) and in two multi-center European initiatives to investigate Alzheimer's disease (AddNeuroMed and NeuGrid). He leads network projects in grid-processing of large brain databases, nationally (CBRAIN) and internationally (GBRAIN).

Dr. Evans is Founder and Director of Biospective Inc., (www.biospective.com), a company that offers 3D image analysis for clinical/pre-clinical pharmaceutical studies.

Ruth Feldman, Ph.D.

Ruth Feldman, Ph.D., is a professor of psychology and neuroscience at Bar-Ilan University, Israel, with a joint appointment at Yale University, Child Study Center. She is the director of the developmental affective neuroscience laboratory at the Gonda Brain Sciences Center and heads the community infant mental health clinic and the Irving B. Harris internship program at the Psychology Department. Her research focuses on the biological basis of affiliative bonds, the development of parent-infant relationship, bio-behavioral processes of social reciprocity, and the effects of early risk on children's social-emotional growth. She is among the first researchers to investigate the involvement of Oxytocin in human affiliation, including parenting, romantic attachment, and close friendships. In several longitudinal projects she examined the long-term effects of early disruptions to parental-infant bonding, including prematurity, maternal post-partum depression, and war-related trauma, on children's biosocial development. For over a decade she has been involved in conducting developmental research and intervention programs for Israeli and Palestinian children exposed to repeated war, terror, and violence. Ruth trained as a musician and is the mother of four daughters and a son.

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.

Susan Folstein, M.D.

Dr. Susan Folstein is a psychiatrist who is also trained in child psychiatry and medical genetics. She has recently come to the University of Miami to join the Departments of Psychiatry and Behavioral Sciences. Her research, which stretches over 35 years, has been at the interface between psychiatry and genetics. Her first research was a twin study of autism, published in 1977, which demonstrated that autism is largely a genetic disorder. Over the years, she has studied not only the genetics and genomics of autism, but also its clinical features, particularly as they relate to gene identification, psychiatric co-morbidity, and its relationship to developmental language disorder.

Dr. Folstein graduated from Cornell Medical College in 1970 and trained in psychiatry at New York Hospital. She began her child psychiatry training in London, with Sir Michael Rutter, where she also carried out the twin study. Her medical genetics training was at Johns Hopkins with Victor McKusick. Subsequently at Hopkins, she and her husband, Marshal Folstein, started the Baltimore Huntington's Disease Center, which is still funded. She started the division of psychiatric genetics, and helped several other faculty start research careers on the genetics of psychiatric disorders. In 1999 she, in collaboration with other researchers in autism genetics, started the Autism Genetics Cooperative and led the Callaway workshops in order to foster collaborative research in autism genetics. The AGC later grew into the Autism Genome Project (AGP). Dr. Folstein was the first woman ever promoted to the level of Professor of Psychiatry at Hopkins. In 2011, she received a lifetime achievement award from the International Society for Psychiatric Genetics.

Her students, who have gone on to study autism, include Joseph Piven, Rebecca Landa, Janet Lainhart, Raphael Bernier, Beth Rosen-Sheidley, Ovsanna Leyfer, and Raymond Mankoski.

INSAR Advocate Award

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

Temple Grandin, Ph.D.

Dr. Grandin is a designer of livestock handling facilities and a Professor of Animal Science at Colorado State University. She obtained her B.A. at Franklin Pierce College and her M.S. in Animal Science at Arizona State University. Dr. Grandin received her Ph.D in Animal Science from the University of Illinois in 1989. Today she teaches courses on livestock behavior and facility design at Colorado State University and consults with the livestock industry on facility design, livestock handling, and animal welfare. She has appeared on television shows such as 20/20, 48 Hours, CNN Larry King Live, PrimeTime Live, the Today Show, and many shows in other countries. She has been featured in People Magazine, the New York Times, Forbes, U.S. News and World Report, Time Magazine, the New York Times book review, and Discover magazine. In 2010, Time Magazine named her one of the 100 most influential people. Interviews with Dr. Grandin have been broadcast on National Public Radio. She has also authored over 400 articles in both scientific journals and livestock periodicals on animal handling, welfare, and facility design. She is the author of "Thinking in Pictures," "Livestock Handling and Transport," "Genetics and the Behavior of Domestic Animals," and "Humane Livestock Handling." Her books "Animals in Translation" and "Animals Make Us Human" were both on the New York Times best seller list. "Animals Make Us Human" was also on the Canadian best seller list. Her life story has also been made into an HBO movie titled "Temple Grandin," staring Claire Danes.

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 IMFAR Annual 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 IMFAR Annual Meeting.

Bios provided by recipients

Special Interest Groups

Friday, May 18

7:00 AM - 8:30 AM

Final SIG – last year in multiple year rotation

New SIG: Global Knowledge Translation for Research on Early Identification and Intervention in Autism
Co-Chairs: Dr. Mayada Elsabbagh, *McGill University and* Dr. Petrus de Vries, *University of Cape Town*
Dominion Ballroom South

Final SIG: Sleep in Autism
Co-Chairs: Beth Malow, M.D., M.S., *Vanderbilt University and* Amanda Richdale, Ph.D., *LaTrobe University*
Dominion Ballroom North

Final SIG: Contextually-based Intervention Research in ASD
Co-Chairs: Laura Anthony, Ph.D. *and* Lauren Kenworthy, Ph.D., *Children's National Medical Center*
Osgoode Ballroom East

Final SIG: Postmortem Brain Tissue Research in Autism
Co-Chairs: Cyndi Schumann, Ph.D., *UC Davis MIND Institute and* Robert Ring, Ph.D., *Autism Speaks*
VIP Room

Saturday, May 19

7:00 AM - 8:30 AM

Final SIG – last year in multiple year rotation

New SIG: Autism Social, Ethical, and Legal Research
Co-Chairs: Dr. Liz Pellicano, *Institute of Education, University of London*, Dr. Bryna Siegel, *University of California San Francisco and* Dr. Michael Yudell, *Drexel University*
Dominion Ballroom South

New SIG: Sensory and Motor Features in Autism
Co-Chairs: Dr. Alison Lane, *The Ohio State University and* Dr. Justin Williams, *University of Aberdeen Medical School*
Dominion Ballroom North

New SIG: Female Profile in ASD
Co-Chairs: Alexandra Head, *Deakin University, Australia and* Dr. William Mandy, *University College, London*
Osgoode Ballroom East

Final SIG: EEG/MEG in Autism
Chair: Sara Jane Webb, Ph.D., *University of Washington*
VIP Room

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 2012 and who have not received an IMFAR Student Award before.

Morsi Abdallah	Aaarhus University
Thomas Avino	University of Nevada
Randi Bennett	Yale University
Lucy Bilaver	Northwestern University
Roser Corominas	UCSD
Chathuri Daluwatte	University of Missouri
Sonja Delmonte	Trinity College Dublin
Mieke Dereu	Ghent University
Ruth Ellingsen	UCLA
Louise Ewing	University of Western Australia
Devon Gangi	University of Miami
Eugenia Gisin	Yale University
Shulamite Green	UCLA
Kevin Greer	University of Alabama Birmingham
Whitney Guthrie	Florida State University
Michelle Hoogenhout	University of Cape Town
Guy Horev	Cold Spring Harbor Labs
Jeffrey Karst	Marquette University
Jennifer Kirchner	Free University Berlin Germany
Judah Koller	Yale University
Mehreen Kouser	University of Texas Southwest Medical Center
Sara Kover	University of Wisconsin - Madison
Natasha Ludwig	Georgia State University
Saara Mahjouri	Weill Cornell Medical College
Kevin McEvoy	UCLA
Rachel Moseley	University of Cambridge
Nir Oksenberg	UCSF
Connor Puleo	Temple University
Michael Rosenthal	Childrens National Medical Center
Jeff Rudie	UCLA
Olga Sysoeva	Washington University
Malav Trivedi	Northwestern University
Avery Voos	Yale University
Samir Wadhawan	University of Pennsylvania
Amy Sue Weitlauf	Vanderbilt University

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 underrepresented in the sciences in the U.S. The awards provide a stipend of $1,000. 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.

Terrance Bethea	University of North Carolina
Rhonda Charles	Mt. Sinai School of Medicine
Jason R. Cooperrider	University of Utah
Ngoc VB Doan	Sound Choice Pharmaceutical Institute
Marjannie Eloi	UCLA
Mary Goodarzi	UCLA
Steven Kapp	UCLA
Steven Marinero	UCSD Ace Lab
Thanh Nguyen	San Francisco State University
Olufemi Olu-Lafe	Boston University
Nuri Reyes	Virginia Tech
Andrew J. Rozsa III	University of Alabama at Birmingham
Tewarit Sarachana	George Washington University
Michele Villalobos	Children's Hospital of Philadelphia
Ousseny Zerbo	UC Davis / Kaiser Permanente

Young Investigator Awards

Young Investigator Awards will be made for the best biological and clinical empirical research papers published or in press in the year 2011 by an investigator who has been awarded their Ph.D. or M.D. in the past seven years. This year the awards will involve a prize of $1,500.

James McPartland	Yale Child Study Center

Dissertation Awards

Dissertation Awards are given annually to active scientists and clinicians working in all aspects of autism research. One award will be for the best basic science dissertation and one for the best clinical/behavioral dissertation in autism accepted by the university in the year 2011. This year these awards will involve a prize of $1,500 each.

Josephine Barbaro	Latrobe University - Clinical
Brandon Keehn	UCSD & San Diego State University – Basic Science
Armin Raznahan	University of London – Basic Science

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.

Yahya Al-Farsi	Oman
Naoufel Gaddour	Tunisia
Karina Gutson	Argentina
Lukmanul Hakkim	Oman
Sabri Herguner	Turkey
Angelina Kakooza	Uganda
Dan Li	China
Dhanya Pillai	Malaysia
Carla Sesarini	Argentina
Megha Sharda	India
Nidhi Singhal	India
Chrystalle Bih Yuan Tan	Malaysia
Alexandru Tarasov	Moldova
Chongying Wang	China

ACKNOWLEDGMENTS

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

INSAR Governing Board

President
Helen Tager-Flusberg
Boston University

President-Elect
Francesca Happé
Institute of Psychiatry, King's College London

Vice President
Lonnie Zwaigenbaum
University of Alberta

Treasurer
Kevin Pelphrey
Yale University

Secretary
Nancy J. Minshew
University of Pittsburgh

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

Past Treasurer
Laura Grofer Klinger
TEACCH
University of North Carolina

Autism Research Journal
Journal Editor: Anthony Bailey
University of British Columbia

INSAR Committees

Annual Meeting Committee
Meeting Co-Chair: Lonnie Zwaigenbaum, University of Alberta
Meeting Co-Chair: Wendy Roberts, University of Toronto
Program Co-Chair: Peter Szatmari, McMaster University
Program Co-Chair: Stephen Scherer, University of Toronto

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

Cultural Diversity Committee
Co-Chair: Marshalyn Yeargin-Allsopp, CDC
Co-Chair: Tamara Daley, Westat

Membership Committee
Chair: Susan Bookheimer, UCLA

Nominations & Elections Committee
Chair: Geri Dawson, Autism Speaks

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

Student Committee
Co-Chair: Mark Shen, M.I.N.D. Institute, UC Davis
Co-Chair: Michele Villalobos, Center for Autism Research, CHOP

Website Committee
Chair: Simon Baron-Cohen, University of Cambridge

Website Editor
Christa Anderson, University of Kansas

INSAR Staff

M. Suzanne Berry, M.B.A., CAE
Leadership Coordinator

Jennifer Gentry
Administrative Director

Kate Flaherty
Membership & Registration Administrator

INSAR Meeting Planning – Conference Direct

Joe Dymek
Jennifer Marshall

INSAR Abstracts – Confex

Richelle Topping

INSAR Website – MixxMedia

Jonathan Wood

ACKNOWLEDGMENTS

Scientific Program Committee

Peter Szatmari – Program Committee Co-Chair
Stephen Scherer* – Program Committee Co-Chair

David Amaral*
Patrick Bolton
Susan Bookheimer*
Thomas Bourgeron
Maja Bucan
Sophia Colamarino*
Eric Courchesne
Manny DiCicco-Bloom*
Eric Fombonne*
Joaquin Fuentes
Dan Geschwind*
Susan Hyman*
Connie Kasari*
Ami Klin
David Ledbetter
Catherine Lord
David Mandell*
Nancy Minshew
Declan Murphy
Richard Paylor
Karen Pierce*
Wendy Roberts
Angelica Ronald
Alison Singer*
Marjorie Solomon*
Sarah Spence*
Matthew State
Sarah Jane Webb*
Marshalyn Yeargin-Allsopp
Lonnie Zwaigenbaum

* Topical Session Chair

Meeting Committee

Lonnie Zwaigenbaum – Meeting Committee Co-Chair
Wendy Roberts – Meeting Committee Co-Chair

Margaret Clarke
Mayada Elsabbagh
Suzanne Lanthier
David Nicholas
Adrienne Perry
Margaret Spoelstra

Abstract Reviewers

David Amaral
Paul Ashwood
Muideen Bakare
Gene Blatt
Alice Carter
Carissa Cascio
Sophia Colamarino
Emanuel DiCicco-Bloom
Ashley R. Dillon
Naomi Ekas
Susan Faja
Judy Flax
Eric Fombonne
Joaquin Fuentes
Matthew Goodwin
Laura Hewitson
Camilla Hileman
Patricia Howlin
Kristelle Hudry
Susan Hyman
Rajesh K. Kana
Connie Kasari
Raida Khalil
Natalia M. Kleinhans
Li-Ching Lee
Xiao-Qing Liu
Beth A. Malow
David S. Mandell
Grainne M. McAlonan
Jamie McPartland
Nancy Minshew
Randal Moldrich
Ilse L.J. Noens
Manabu Oi
James M. Perrin
Karen Pierce
Nicholas M. Ponzio
Emily Tucker Prud'hommeaux
Herbert Roeyers
Angelica Ronald
Lisa A. Ruble
Nicole M. Russo
Noah Sasson
Stephen W. Scherer
Cynthia M. Schumann
Frank Sharp
Alison Singer
Isabel Smith
Sarah J. Spence
Peter Szatmari
Zohreh Talebizadeh
Audrey Thurm
Simon Wallace
Sara Jane Webb
Ericka L. Wodka
Marshalyn Yeargin-Allsopp
Huanqing Zhang
Lonnie Zwaigenbaum

THURSDAY May 17, 2012 – AM

6:30-5:00P	Registration – Lower Concourse			
7:15-8:15A	Coffee and Pastries – Grand Ballroom Foyer			
8:00-5:00P	**Exhibits** – Sheraton Hall			
8:00-8:30A	Greetings from the IMFAR Organizers – Grand Ballroom			8:00-12:30P **Poster Session** – Sheraton Hall Animal Models Brain Imaging: Functional Brain Imaging: Resting State fcfMRI & Structural Imaging Cell Biology Genetics and Genomics Neuropathology Neurophysiology I Neurophysiology II
8:30-8:45A	Introduction: Autism Speaks – Grand Ballroom			
8:45-9:00A	Introduction: Simons Foundation – Grand Ballroom			
9:00-10:00A	**Keynote Address**: Ruth Feldman – Bio-behavioral Synchrony and the Development of Social Reciprocity – Grand Ballroom			
10:00-10:30A	Break – Sheraton Hall			
10:30-12:30P	**IES** – Grand Ballroom Centre Friendship in ASD through the Life Span: Nature, Trajectories, Importance and Treatment			
10:30-12:30P	**Oral Session** – Grand Ballroom East Smaller Trials, Treatment Factors	**Oral Session** – Grand Ballroom West Clinical Phenotype: Assessing Diagnostic Criteria	**Oral Session** – Osgoode Ballroom East Biological Mechanisms & Animal Models	
12:30-1:45P	Lunch Break – On Your Own			
12:30-1:45P	**Cultural Diversity Networking Luncheon** – City Hall Room			
12:30-1:45P	**Session**: Overview and Hands-On Training of NDAR and the Autism Informatics Grid – VIP Room			

Keynote Address
100 - Bio-behavioral Synchrony and the Development of Social Reciprocity
9:00 AM - 10:00 AM - Grand Ballroom

Speaker: R. Feldman; *Bar-Ilan University*

The talk will present our conceptual model of bio-behavioral synchrony – the coordination of physiological and behavioral responses between attachment partners during social contact as a theoretical and empirical framework for the study of attachment bonds and the origins of social reciprocity. I will describe how micro-level social behaviors in the gaze, vocal, affective, and touch modalities are dynamically integrated with online physiological processes and hormonal response to create dyad-specific attachments and support children's capacity to become members of the social group, understand complex social signals, and develop social collaboration. Studies across multiple attachments throughout life and following children from infancy to adolescence are presented to show that the extended oxytocin (OT) system provides the neurohormonal substrate for parental, romantic, and filial attachment; that various forms of close relationships are expressed in similar constellations of synchronized behavior and OT increase; and that OT is stable over time within individuals, is mutually-influencing among close partners; is linked with distinct patterns of brain activations and genetic markers; and that mechanisms of cross-generation and inter-couple transmission relate to coordinated social behavior. Longitudinal studies assessing bio-behavioral processes in conditions associated with high risk for social development, including prematurity, maternal post-partum depression, or war-related trauma detail specific alterations to social behavior and neurohormonal systems and highlight specific targets for intervention. Overall, the findings suggest that human affiliation and social reciprocity develop within the matrix of biological attunement and close behavioral synchrony and have conceptual implications for the study of inter-subjectivity and the formulation of a brain-based epistemology as well as translational implications for the integration of OT and behavioral interventions for the treatment of social disorders originating in early childhood.

Invited Educational Symposium
101 - Friendship in ASD through the Life Span: Nature, Trajectories, Importance and Treatment
10:30 AM - 12:30 PM - Grand Ballroom Centre

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

Having friends is cardinal to children's well-being and for the development of ample cognitive, linguistic, and social skills in typical development. Despite the fact that the majority of individuals with ASD (between 60%-75%) have significant difficulties in friendship formation, it is an overlooked topic. Thus, zoom-into research into friendship processes in ASD is greatly needed. In this session, we provide descriptions of friendship's nature, quality, and importance in ASD across development, from preschool through adulthood; as well as pointing out individual, familial, and environmental components that may contribute to friendship formation in ASD. Finally, we review recent evidence from treatment models that aim to enhance friendship in ASD. Novel data will be presented that is based on quantitative and qualitative multidimensional assessment procedures, including semi-structured and spontaneous observations of friendship as well as self- and others' reports, combining current and longitudinal evaluations of friendship.

10:30 101.001 The Beginning of Friendship — Friendship In Preschoolers with HFASD: New Evidence and Implications. N. Bauminger-Zviely*, School of Education, Bar-Ilan University, Ramat Gan, Israel

10:45 101.002 Using Parent-Supervised Play Dates to Improve Peer Relationships for Elementary School Children with HFASD. F. Frankel*, UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA

11:00 101.003 Friendships In Adolescence: Developmental Challenges In Those with ASD. M. Solomon[*], Department of Psychiatry, MIND Institute, Imaging Research Center, Sacramento, CA; MIND Institute, UC Davis, Sacramento, CA

11:15 101.004 Friendships and Social Activities In Individuals with ASD In Adulthood: Trajectories, Predictors, and Implications. M. M. Seltzer[*], Waisman Center, University of Wisconsin, Madison, WI

Oral Sessions
102 - Smaller Trials, Treatment Factors
10:30 AM - 12:30 PM - Grand Ballroom East

10:30 102.001 Behavioral and Developmental Outcomes From Long Term Aripiprazole Treatment of Youth with Autism Spectrum Disorders. T. C. Bethea[*1,2], C. Alderman[2] and L. Sikich[1,2], (1)Department of Psychiatry, University of North Carolina at Chapel Hill, Chapel Hill, NC, (2)Department of Psychiatry, ASPIRE Research Program, UNC-CH, Chapel Hill, NC

10:45 102.002 Treatment of Behavior Problems Among School-Age Children with Autism Spectrum Disorders. J. Harrington[1], K. Allen[2] and C. G. Cooke[*2], (1)General Academic Pediatrics, Children's Hospital of The King's Daughters, Norfolk, VA, (2)Department of Pediatrics, Eastern Virginia Medical School, Norfolk, VA

11:00 102.003 Project SEARCH for Adolescents with Autism Spectrum Disorders: Increasing Competitive Employment Opportunities Post-High School. S. Carr[*1] and C. Schall[2], (1)Virginia Commonwealth University Autism Center for Excellence, Richmond, VA, (2)Rehabilitation Research and Training Center, Virginia Commonwealth University Autism Center for Excellence, Richmond, VA

11:15 102.004 Effectiveness of Classroom Pivotal Response Teaching: A Pilot Study. A. C. Stahmer[1,2], J. Suhrheinrich[1,2], S. R. Reed[*1,2] and L. Schreibman[2], (1)Rady Children's Hospital, San Diego, San Diego, CA, (2)University of California – San Diego, La Jolla, CA

11:30 102.005 Randomized Controlled Trial of Group Parent Education in Pivotal Response Treatment (PRT): Focus on Child Language Outcomes. M. B. Minjarez[*1], G. W. Gengoux[2], K. L. Berquist[2], J. M. Phillips[2], T. W. Frazier[3] and A. Y. Hardan[2], (1)Seattle Children's Hospital, Seattle, WA, (2)Stanford University School of Medicine/Lucile Packard Children's Hospital, Stanford, CA, (3)Center for Autism and Center for Pediatric Behavioral Health, Cleveland Clinic, Cleveland, OH

11:45 102.006 Exploring the Behavioral Profiles of Preschoolers with ASD Using Cluster Analysis within the Context of An Intervention Efficacy Trial. L. D. Johnson[*] and E. R. Monn, Educational Psychology, University of Minnesota, Minneapolis, MN

12:00 102.007 A Pilot Randomized Control Trial of the Functional Behavioural Skills Training Group for Young Nonverbal Children with Severe Autism. J. A. Reitzel[*1], J. Summers[2], L. Zwaigenbaum[3], P. Szatmari[4], E. Duku[4] and S. Georgiades[4], (1)McMaster Children's Hospital/McMaster University, Hamilton, ON, Canada, (2)McMaster Children's Hospital/McMaster University, Hamilton, ON, Canada, (3)University of Alberta, Edmonton, AB, Canada, (4)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada

12:15 102.008 Efficacy of Adapted Responsive Teaching for Infants At Risk for ASD. G. T. Baranek[*1], L. R. Watson[2], L. T. Brown[3], S. H. Field[4], E. Crais[2], L. Wakeford[5] and L. M. Little[6], (1)Allied Health Sciences, University of North Carolina, Chapel Hill, NC, (2)Speech and Hearing Sciences, University of North Carolina, Chapel Hill, NC, (3)CIDD, University of North Carolina, Chapel Hill, NC, (4)Frank Porter Graham Child Development Institute, University of North Carolina at Chapel Hill, Chapel Hill, NC, (5)Division of Occupational Science, University of North Carolina, Chapel Hill, NC, (6)University of North Carolina, Chapel Hill, NC

Oral Sessions
103 - Clinical Phenotype: Assessing Diagnostic Criteria
10:30 AM - 12:30 PM - Grand Ballroom West

10:30 103.001 Phenotypic Profiles of Children with and without An Autism Spectrum Disorder in the Study to Explore Early Development. L. D. Wiggins[*1], S. E. Levy[2], A. M. Reynolds[3], L. A. Schieve[4], S. Hepburn[5], L. C. Lee[6], C. E. Rice[4], J. L. Daniels[7], L. A. Croen[8], E. Giarelli[9], C. Robinson[10], C. DiGuiseppi[11], L. Blaskey[2], L. Young[12], M. Yeargin-Allsopp[13], J. A. Pinto-Martin[14], P. A. Thompson[15], M. C. Souders[16] and D. E. Schendel[13], (1)Centers for Disease Control and Prevention, Atlanta, GA, (2)Children's Hospital of Philadelphia, Philadelphia, PA, (3)University of Colorado Denver, Aurora, CO, (4)Centers for Disease Control and Prevention, National Center on Birth Defects and Developmental Disabilities, Atlanta, GA, (5)University of Colorado / JFK Partners, Aurora, CO, (6)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (7)University of North Carolina, Chapel Hill, NC, (8)Kaiser Permanente, Division of Research, Oakland, CA, (9)School of Nursing, University of Pennsylvania, Philadelphia, PA, (10)University of Colorado Denver School of Medicine, Aurora, CO, (11)University of Colorado Denver, Aurora, CO, (12)University of Pennsylvania, School of Nursing, Philadelphia, PA, (13)Centers for Disease Control and Prevention, Atlanta, GA, (14)University of Pennsylvania School of Nursing and School of Medicine, Philadelphia, PA, (15)Michigan State University, East Lansing, MI, (16)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA

10:45 103.002 A National Study of Autistic Symptoms in the General Population of School Age Children and Those Diagnosed with Autism Spectrum Disorder (ASD). S. Goldstein[1], J. Naglieri[2] and K. M. Williams[*3], (1)Psychiatry, University of Utah School of Medicince, Salt Lake City, UT, (2)Psychology, George Mason University, Fairfax, VA, (3)Multi-Health Systems, Inc., Toronto, ON, Canada

11:00 103.003 Demographic and Clinical Correlates of Proposed DSM-5 Autism Symptom Domains and Diagnosis. R. A. Embacher[*1], T. W. Frazier[2], E. A. Youngstrom[3], A. Y. Hardan[4], J. N. Constantino[5], P. A. Law[6], R. Findling[7] and C. Eng[8], (1)Cleveland Clinic Center for Autism, Cleveland, OH, (2)Cleveland Clinic, Cleveland, OH, (3)Psychology, University of North Carolina, Chapel Hill, NC, (4)Department of Psychiatry and Behavioral Sciences, Stanford University, Stanford, CA, (5)Washington University School of Medicine, Saint Louis, MO, (6)Kennedy Krieger Institute, Baltimore, MD, (7)University Hospitals Case Medical Center, Cleveland, OH, (8)Genomic Medicine Institute, Cleveland Clinic, Cleveland, OH

11:15 103.004 An Examination of the Proposed DSM-V Criteria for ASD. A. Taheri[*1] and A. Perry[2,3,4], (1)Psychology, York University, Toronto, ON, Canada, (2)York University, Toronto, ON, Canada, (3)Department of Psychology, York University, Toronto, ON, Canada, (4)TRE-ADD (Treatment, Research, and Education for Autism and Developmental Disorders), Thistletown Regional Center, Toronto, ON, Canada

11:30 103.005 Factor Analysis of DSM-IV, DSM-5, and Other Models of Symptom Structure in Toddlers with Autism Spectrum Disorder. W. Guthrie[*1], V. P. Reinhardt[1], L. B. Swineford[2], C. E. Nottke[2], C. E. Lord[3] and A. M. Wetherby[2], (1)Department of Psychology, Florida State University, Tallahassee, FL, (2)Florida State University Autism Institute, Tallahassee, FL, (3)Weill Cornell Medical College, White Plains, NY

11:45 103.006 Stability and Predictors of the Developmental Course of ASD From Childhood to Adolescence. S. C. Louwerse[*1], M. L. Eussen[1,2], P. de Nijs[1], A. R. Gool[3], F. Verheij[1], F. C. Verhulst[1] and K. Greaves-Lord[1,4], (1)Department of Child & Adolescent Psychiatry and Psychology, Erasmus MC - Sophia's Children's Hospital, Rotterdam, Netherlands, (2)Yulius, Dordrecht, Netherlands, (3)Yulius, Rotterdam, Netherlands, (4)Academie, Yulius, Rotterdam, Netherlands

12:00 103.007 Investigating Phenotypic Heterogeneity in Children with Autism Spectrum Disorder: A Factor Mixture Modelling Approach. S. Georgiades[*1], P. Szatmari[1], M. Boyle[1], S. Hanna[1], E. Duku[1], L. Zwaigenbaum[2], S. E. Bryson[3], E. Fombonne[4], J. Volden[2], P. Mirenda[5], I. M. Smith[3], W. Roberts[6], T. Vaillancourt[7], C. Waddell[8], T. Bennett[1] and A. Thompson[1], (1)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (2)University of Alberta, Edmonton, AB, Canada, (3)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (4)Montreal Children's Hospital, Montreal, QC, Canada, (5)University of British Columbia, Vancouver, BC, Canada, (6)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (7)University of Ottawa, Ottawa, ON, Canada, (8)Simon Fraser University, Vancouver, BC, Canada

12:15 103.008 The Autism Mental Status Exam: Sensitivity and Specificity Using Consensus Diagnosis. D. Grodberg[*1], P. M. Weinger[2], L. V. Soorya[1], A. Kolevzon[1] and J. D. Buxbaum[1], (1)Psychiatry, Mount Sinai School of Medicine, New York, NY, (2)Mount Sinai School of Medicine, New York, NY

Oral Sessions
104 - Biological Mechanisms & Animal Models
10:30 AM - 12:30 PM - Osgoode Ballroom East

10:30 104.001 Decreased Akt and Changes in Relative Levels of TrkB Isoforms in Autism. C. Nicolini[*1] and M. Fahnestock[2], (1)Graduate Program in Neuroscience, University of Trieste, Trieste, Italy, (2)Psychiatry & Behavioural Neurosciences, McMaster University, Hamilton, ON, Canada

10:45 104.002 Elevated Fetal Steroidogenic Activity in Autism. S. Baron-Cohen[*1], B. Auyeung[1], B. Nørgaard-Pedersen[2], D. M. Hougaard[2], M. W. Abdallah[2,3], L. Melgard[2], A. Cohen[2], L. Ruta[1] and M. V. Lombardo[1], (1)Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (2)Department of Clinical Biochemistry and Immunology, Statens Serum Institute, Copenhagen, Denmark, (3)Department of Epidemiology, Aarhus University Faculty of Health Sciences, Aarhus C, Denmark

11:00 104.003 Is Prenatal Testosterone Exposure Associated with Early Vocabulary Development? A Prospective Cohort Study. L. P. Hollier[*1,2], E. Mattes[1], M. T. Maybery[2], J. A. Keelan[3], M. Hickey[4] and A. Whitehouse[1,2], (1)Telethon Institute for Child Health Research, Perth, Australia, (2)School of Psychology, University of Western Australia, Perth, Australia, (3)School of Women's and Infant's Health, University of Western Australia, Perth, Australia, (4)Department of Obstetrics and Gynecology, University of Melbourne, Melbourne, Australia

11:15 104.004 Impaired Development of Brain and Behavior in Mice with 16p11.2 Deletion Found in Autism. G. Horev[*], R. Puzis and A. A. Mills, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY

11:30 104.005 A Mouse Model for the Human Chromosome 16p11.2 Copy Number Variation. T. Portmann[*1,2], R. Mao[1,2], P. Bader[2,3], G. Panagiotakos[1,2], M. Miller[4], M. Shamloo[5] and R. E. Dolmetsch[1,2], (1)Neurobiology, Stanford University, Stanford, CA, (2)School of Medicine, Stanford University, Stanford, CA, (3)Department of Molecular and Cellular Physiology, Stanford, CA, (4)Behavioral and Functional Neuroscience Laboratory, Stanford University, Stanford, CA, (5)Institute for Neuro-Innovation and Translational Neurosciences, Stanford University, Stanford, CA

11:45 104.006 Autism-Relevant Social Abnormalities and Cognitive Deficits in Engrailed-2 Knockout Mice. J. Brielmaier[*1], J. M. Senerth[1], P. G. Matteson[2], M. Genestine[3], J. L. Silverman[1], J. H. Millonig[2,3], E. DiCicco-Bloom[3,4] and J. N. Crawley[1], (1)NIMH/NIH, Bethesda, MD, (2)Center for Advanced Biotechnology & Medicine, Piscataway, NJ, (3)Neuroscience and Cell Biology, Robert Wood Johnson Medical School, Piscataway, NJ, (4)Pediatrics, Robert Wood Johnson Medical School, New Brunswick, NJ

12:00 104.007 Motor Abnormalities in Mice Lacking Major Isoforms of Shank3. Y. H. Jiang[*], Pediatrics, Duke University, Durham, NC

12:15 104.008 Anatomical Phenotyping in the IntegrinB3 Mouse Model Related to Autism. J. Ellegood[*], R. M. Henkelman and J. P. Lerch, Mouse Imaging Centre, The Hospital for Sick Children, Toronto, ON, Canada

Poster Sessions
105 - Animal Models
8:00 AM - 12:30 PM - Sheraton Hall

9:00 1 105.001 Absence of Engrailed 2 (En2), the Autism Spectrum Disorder (ASD) Associated Gene, Produces Developmental Changes in Hippocampal Neurogenesis and Apoptosis. M. Genestine[*1], L. Lin[1], S. Prem[1], Y. Jiang[1], R. D. Dhiman[1], J. C. Ho[1], J. H. Millonig[1,2] and E. DiCicco-Bloom[1,3], (1)Neuroscience and Cell Biology, Robert Wood Johnson Medical School, Piscataway, NJ, (2)Center for Advanced Biotechnology & Medicine, Piscataway, NJ, (3)Pediatrics, Robert Wood Johnson Medical School, New Brunswick, NJ

10:00 2 105.002 An mGluR5 Negative Allosteric Modulator Improves Social Deficits and Decreases Repetitive and Stereotyped Behaviors in Mouse Models of Autism. J. L. Silverman[*1], D. G. Smith[2], S. J. Sukoff Rizzo[2], M. N. Karras[1], K. R. Fonesca[2], D. L. Smith[2], R. H. Ring[2,3] and J. N. Crawley[1], (1)NIMH/NIH, Bethesda, MD, (2)Pfizer Global Research and Development, Groton, CT, (3)Autism Speaks, Princeton, NJ

11:00 3 105.003 Assessment of Structural Brain Differences in a Mouse Model of Autism Using Magnetic Resonance Imaging. B. A. Babineau[*1], J. Ellegood[2], J. P. Lerch[2], R. M. Henkelman[2] and J. N. Crawley[1], (1)National Institute of Mental Health, Bethesda, MD, (2)Mouse Imaging Centre, The Hospital for Sick Children, Toronto, ON, Canada

9:00 4 105.004 New Touch Screen Technology for Evaluating Cognitive Flexibility in Mouse Models of Autism. P. T. Gastrell[*1], M. N. Karras[1], M. Solomon[2], J. L. Silverman[1] and J. N. Crawley[1], (1)NIMH/NIH, Bethesda, MD, (2)Department of Psychiatry, MIND Institute, Imaging Research Center, Sacramento, CA

10:00 5 105.005 Behavioral Characterization of Heterogeneous Shank3 Homer Binding Domain Deletion Model of Autism. M. Kouser[*1], J. Speigash[2], P. F. Worley[2] and C. M. Powell[3], (1)University of Texas Southwestern Medical Center, Dallas, TX, (2)Johns Hopkins University, Baltimore, MD, (3)The University of Texas Southwestern Medical Center, Dallas, TX

WITHDRAWN

11:00 6 105.006 The Human AVPR1A BAC Transgenic Mouse: A Preclinical Model for Elucidating the Role of AVPR1A in Autism Spectrum Disorders. R. A. Charles[*1], N. Takahashi[1], T. Sakurai[1], L. Young[2] and J. D. Buxbaum[1], (1)Psychiatry, Mount Sinai School of Medicine, New York, NY, (2)Emory University, Decatur, GA

9:00 7 105.007 Neuroanatomical Alterations in Conditional Met Mutant Mice. J. M. Smith[*1], J. Xu[2] and E. M. Powell[2], (1)Program in Neuroscience, University of Maryland Baltimore, Baltimore, MD, (2)Anatomy and Neurobiology, University of Maryland School of Medicine, Baltimore, MD

10:00 8 105.008 Maternal Immune Stimulation During Pregnancy Leads to a Pro-Inflammatory Phenotype in Offspring. M. Mandal[*1], R. Donnelly[2,3], S. Elkabes[4,5] and N. M. Ponzio[2,3], (1)UMDNJ - Graduate School of Biomedical Sciences, Newark, NJ, (2)Department of Pathology and Laboratory Medicine, UMDNJ - New Jersey Medical School, Newark, NJ, (3)Department of Pathology and Laboratory Medicine, UMDNJ - Graduate School of Biomedical Sciences, Newark, NJ, (4)Department of Neurology and Neuroscience, UMDNJ - New Jersey Medical School, Newark, NJ, (5)Department of Neurology and Neuroscience, UMDNJ - Graduate School of Biomedical Sciences, Newark, NJ

11:00 9 105.009 Animal Model of Autism Induced by Prenatal Exposure to Valproate: Changes in Hipocampal Glial Parameters. V. Bambini-Junior[*1], R. B. Silvestrin[1], F. Galland[1], L. D. Bobermin[1], A. Quincozes-Santos[1], R. T. Abib[1], C. Batassini[1], G. Brolese[1], R. Riesgo[2] and C. Gottfried[1], (1)Department of Biochemistry, Federal University of Rio Grande do Sul (UFRGS), Porto Alegre, Brazil, (2)Universidade Federal do Rio Grande do Sul - Brasil, Porto Alegre, RS, Brazil

9:00 10 105.010 Animal Model of Autism Induced by Prenatal Exposure to Valproate: Behavioral Changes and Liver Parameters. G. Mueller de Melo[*1], V. Bambini-Junior[1], L. Rodrigues[2], G. Behr[1], M. S. Michels[1], M. Dutra[1], G. D. Nunes[1], G. Zanatta[1], R. Riesgo[3] and C. Gottfried[1], (1)Department of Biochemistry, Federal University of Rio Grande do Sul (UFRGS), Porto Alegre, Brazil, (2)Department of Neurochemistry, University of São Paulo (USP), São Paulo, Brazil, (3)Universidade Federal do Rio Grande do Sul - Brasil, Porto Alegre, RS, Brazil

10:00 11 105.011 Investigation of Vocalization and Play Behavior in Juvenile Offspring of Maternal Immune Activated Female Mice. J. Schwartzer[*], M. Careaga, P. Ashwood and R. F. Berman, University of California, Davis, MIND Institute, Sacramento, CA

11:00 12 105.012 Effects of Environmental Enrichment on Autism-Related Behaviors in the BTBR T+Tf/J Mouse. S. E. Reynolds[*1,2], S. Cameron[2], C. Mackiewicz[2], A. Millette[2], M. Urruela[2] and D. P. Devine[2], (1)Virginia Commonwealth University, Richmond, VA, (2)University of Florida, Gainesville, FL

9:00 13 105.013 Sensory and Motor Behaviors in Rats Treated Postnatally with Sodium Valproate. S. E. Reynolds[1], A. Millette[2] and D. P. Devine[*2], (1)Virginia Commonwealth University, Richmond, VA, (2)University of Florida, Gainesville, FL

10:00 14 105.014 A Rat Model of Sensory Integration Impairment for Therapeutic Drug Development: Autoradiographic Observations in Postmortem Brain. A. Mahendra[*1], J. Skefos[1], M. Ghulam[2], E. Levin[3] and M. Bauman[1], (1)Anatomy & Neurobiology, Boston University School of Medicine, Boston, MA, (2)Boston University School of Medicine, Boston, MA, (3)Psychiatry & Behavioral Sciences, Duke Institute for Brain Sciences, Durham, NC

11:00 15 105.015 Glial Activation in a Mouse Model of Fragile X Syndrome. L. K. K. Pacey[*], S. Guan, I. Xuan and D. R. Hampson, University of Toronto, Toronto, ON, Canada

9:00 16 105.016 Risperidone Alleviates a Probabilistic Reversal Learning Deficit in the BTBR T+ Tf/J Mouse. D. A. Amodeo[*1], J. A. Sweeney[2] and M. E. Ragozzino[1], (1)Psychology, University of Illinois, Chicago, IL, (2)Center for Cognitive Medicine, University of Illinois, Chicago, IL

10:00 17 105.017 Defects of Lipid SIgnalling in Early Neuronal Development and the Implications in Autism Spectrum Disorders. R. Bhogal[*1,2], H. Li[3] and D. A. Crawford[1,2,3], (1)Department of Biology, York University, Toronto, ON, Canada, (2)Neuroscience Graduate Diploma Program, York University, Toronto, ON, Canada, (3)School of Kinesiology and Health Science, York University, Toronto, ON, Canada

11:00 18 105.018 Further Behavioral Characterization of An Inbred Mouse Model of Restricted, Repetitive Behavior. A. M. Muehlmann[*], A. Mihalik, D. Koppuzha and M. H. Lewis, University of Florida, Gainesville, FL

9:00 19 105.019 The Use of Drosophila to Study ASD Candidate Gene Function. S. Q. Mehta[*1], K. S. Pappu[2] and L. Zipursky[2], (1)Division of Child and Adolescent Psychiatry, Semel Institute/UCLA, Los Angeles, CA, (2)Biological Chemistry, HHMI/UCLA, Los Angeles, CA

10:00 20 105.020 The Temporal Relationship of Behavioural, Neuropathological and Lipid Fluctuations Following a Single Intraventricular Infusion of Propionic Acid in Rats. S. Holbrook[*], F. Boon, A. R. Taylor, R. H. Thomas, L. J. Tichenoff, M. Kavaliers, K. P. Ossenkopp and D. F. MacFabe, The Kilee Patchell-Evans Autism Research Group, Dept. of Psychology, University of Western Ontario, London, ON, Canada

11:00 21 105.021 The Enteric Bacterial Metabolite Propionic Acid Alters Brain and Plasma Intact Phospholipid Molecular Species: Implications In Autism Spectrum Disorders. R. H. Thomas[*1,2], M. M. Meeking[3], J. Mepham[1], L. J. Tichenoff[1], F. Possmayer[4] and D. F. MacFabe[1,5,6], (1)The Kilee Patchell-Evans Autism Research Group, Dept. of Psychology, University of Western Ontario, London, ON, Canada, (2)Schulich School of Medicine and Dentistry, University of Western Ontario, London, ON, Canada, (3)Psychology, University of Western Ontario, London, ON, Canada, (4)Obstetrics/Gynecology and Biochemistry,, University of Western Ontario, London, ON, Canada, (5)The Kilee Patchell-Evans Autism Research Group, University of Western Ontario, London, ON, Canada, (6)The Kilee Patchell-Evans Autism Research Group,Departments of Psychology/Psychiatry, Schulich School of Medicine and Dentistry, University of Western Ontario, London, ON, Canada

9:00 22 105.022 Acyl-Carnitine Abnormalities In Autistic Children Parallel Abnormalities In A Rodent Model of Autism. D. F. MacFabe[*1], R. H. Thomas[2] and R. E. Frye[3], (1)The Kilee Patchell-Evans Autism Research Group,Departments of Psychology/Psychiatry, Schulich School of Medicine and Dentistry, University of Western Ontario, London, ON, Canada, (2)The Kilee Patchell-Evans Autism Research Group, Dept. of Psychology, University of Western Ontario, London, ON, Canada, (3)Department of Pediatrics, Arkansas Children's Hospital Research Institute, Little Rock, AR

10:00 23 105.023 Prenatal Exposure to Propionic Acid and Lipopolysaccharide Produces Developmental Delay, Anxiety-Like Behavior, and Hyper-Sensitivity to Acoustic Startle in Adolescent Rats. K. A. Foley[*1], M. Kavaliers[1], K. P. Ossenkopp[2] and D. F. MacFabe[1], (1)The Kilee Patchell-Evans Autism Research Group, University of Western Ontario, London, ON, Canada, (2)The Kilee Patchell-Evans Autism Research Group, Dept. of Psychology, University of Western Ontario, London, ON, Canada

11:00 24 105.024 Time Course of Propionic Acid Induced Lipid, Neuroinflammatory and Cognitive Deficits In the Morris Water Maze-Further Development of A Novel Rodent Model of Autism. J. Mepham[*], F. Boon, A. R. Taylor, R. H. Thomas, D. P. Cain, K. P. Ossenkopp and D. F. MacFabe, The Kilee Patchell-Evans Autism Research Group, Dept. of Psychology, University of Western Ontario, London, ON, Canada

9:00 25 105.025 Intraventricular Enteric Short Chain Fatty Acid Infusions in Rats Induce Behavioural, Neuropathological, Lipid and Epigenetic Changes Consistent with Autism. B. B. Nankova[*1], E. LaGamma[1], A. R. Taylor[2], L. J. Tichenoff[2] and D. F. MacFabe[3], (1)Westchester Medical Centre, New York Medical College, Valhalla, NY, (2)The Kilee Patchell-Evans Autism Research Group, Dept. of Psychology, University of Western Ontario, London, ON, Canada, (3)The Kilee Patchell-Evans Autism Research Group,Departments of Psychology/Psychiatry, Schulich School of Medicine and Dentistry, University of Western Ontario, London, ON, Canada

Poster Sessions
106 - Brain Imaging: Functional
8:00 AM - 12:30 PM - Sheraton Hall

9:00 26 106.026 Making Tough Decisions: The Neural Correlates of Categorization in Children with and without Autism. D. L. Williams[*1], E. J. Carter[2,3], J. F. Lehman[4] and N. J. Minshew[5], (1)Speech-Language Pathology, Duquesne University, Pittsburgh, PA, (2)Robotics Institute, Carnegie Mellon University, Pittsburgh, PA, (3)Psychology, Carnegie Mellon University, Pittsburgh, PA, (4)Computer Science, Carnegie Mellon University, Pittsburgh, PA, (5)Psychiatry & Neurology, University of Pittsburgh, Pittsburgh, PA

10:00 27 106.027 Dynamic Stimuli in a Social Incentive Delay Task: Examining the Need for More Ecologically Valid Stimulus Sets in ASD Reward Research. M. T. Perino[1], V. Troiani[1,2], E. Price[*1], J. M. Taylor[3], S. J. Cayless[1], E. N. Madva[1], M. E. Riley[1], S. Faja[4], J. D. Herrington[1], R. T. Schultz[1,5] and G. Kohls[1], (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)Neuroscience, University of Pennsylvania, Philadelphia, PA, (3)Department of Psychological & Brain Sciences, Dartmouth College, Hanover, NH, (4)University of Washington, Seattle, WA, (5)Pediatrics & Psychiatry, University of Pennsylvania, Philadelphia, PA

11:00 28 106.028 Processing of Image Categories Prior to Awareness in Children with Autism Spectrum Disorder. V. Troiani[*1,2], E. Price[2] and R. T. Schultz[2,3], (1)Neuroscience, University of Pennsylvania, Philadelphia, PA, (2)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (3)Pediatrics & Psychiatry, University of Pennsylvania, Philadelphia, PA

9:00 29 106.029 Atypical Development of Visual Processing During Adolescence in Autism. K. O'Hearn[*], Pittsburgh, PA

10:00 30 106.030 Modulation of Inhibition Processing by Serotonin in Autism: An fMRI Study with Acute Tryptophan Depletion. E. Daly[*1], K. Rubia[2], C. Ecker[1], C. M. Murphy[1], Q. Deeley[1] and D. G. Murphy[1], (1)Forensic and Neurodevelopmental Sciences, King's College London, Institute of Psychiatry, London, United Kingdom, (2)Department of Child and Adolescent Psychiatry, King's College London, Institute of Psychiatry, London, United Kingdom

11:00 31 106.031 Functional Brain Maturation of Attention and Temporal Discounting in Children and Adults with ASD: An fMRI Investigation. C. M. Murphy[*1], A. Christakou[2,3], E. M. Daly[4], C. Ecker[5], P. Johnston[6], A. Smith[7], V. Giampetro[8], M. J. Brammer[9], D. M. Robertson[10], D. Spain[6], M. Aims[11], D. G. Murphy[5] and K. Rubia[7], (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)School of Psychology and Clinical Language Sciences, University of Reading, Reading, United Kingdom, (4)Department of Forensic and Neurodevelopmental Sciences, King's College London, Institute of Psychiatry,, London, United Kingdom, (5)Forensic and Neurodevelopmental Sciences, King's College London, Institute of Psychiatry, London, United Kingdom, (6)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom, (7)Department of Child and Adolescent Psychiatry, King's College London, Institute of Psychiatry, London, United Kingdom, (8)Dept of Neuroimaging, King's College London, Institute of Psychiatry, london, United Kingdom, (9)Dept of Neuroimaging, King's College London, Institute of Psychiatry, London, United Kingdom, (10)Behavioural and Developmental Clinical Academic Group, South London and Maudsley NHS Trust, London, United Kingdom, (11)Institute of Psychiatry, London; University of Oxford; University of Cambridge, London, United Kingdom

9:00 32 106.032 The Neural Correlates of Impaired Visual Interference Control in Individuals with Autism Spectrum Disorder. S. E. Christ[*1], A. J. Moffitt[1], L. E. Kester[1], K. E. Bodner[1] and J. H. Miles[2], (1)Psychological Sciences, University of Missouri, Columbia, MO, (2)Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO

10:00 33 106.033 Differences in Neural Activation Associated with Visuomotor Sequence Learning in Autism. J. Muschelli[*1], B. S. Caffo[2], J. J. Pekar[3,4] and S. H. Mostofsky[3,4,5], (1)Biostatistics, Johns Hopkins School of Public Health, Baltimore, MD, (2)Johns Hopkins School of Public Health, Baltimore, MD, (3)Kennedy Krieger Institute, Baltimore, MD, (4)Johns Hopkins School of Medicine, Baltimore, MD, (5)Johns Hopkins University School of Medicine, Baltimore, MD

11:00 34 106.034 fMRI Reveals Differences Between Neural Systems Recruited for Time Perception in Children with and without Autism. M. J. Allman[*1,2], S. E. Joel[1,2,3], W. H. Meck[4], J. J. Pekar[1,2,3], M. F. Cataldo[1,2], R. J. Landa[1,5], S. H. Mostofsky[1,2] and M. B. Denckla[1,2], (1)Johns Hopkins University School of Medicine, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD, (3)F. M. Kirby Research Center for Functional Brain Imaging, Baltimore, MD, (4)Department of Psychology and Neuroscience, Duke University, Durham, NC, (5)Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD

9:00 35 106.035 Functional Brain Networks in Autism Spectrum Disorder in Different Attentional States. P. Barttfeld[1], B. Wicker[*2], S. Cukier[3], S. Navarta[1], J. Calvar[3], R. Leiguarda[3] and M. Sigman[1], (1)Laboratorio de Neurociencia Integrativa, Physics Department, Buenos Aires, Argentina, (2)Mediterranean Institute of Cognitive Sciences, Aix-Marseille University, Marseille, France, (3)FLENI, Buenos Aires, Argentina

10:00 36 106.036 Searching for Neuronal Markers of Verbal Proficiency in Autism. A. Di Martino[*1], C. Kelly[1], M. Mennes[1], R. L. Grzadzinski[1], A. Schvarcz[1], D. Levy[1], N. Adamo[1], J. Raithel[1], J. Rodman[1], M. Garcia-Garcia[1], E. Denio[1], E. Petkova[2,3], C. E. Lord[4], F. X. Castellanos[1,3] and M. P. Milham[3,5], (1)Child Study Center at the NYU Langone Medical Center, Phyllis Green and Randolph Cowen Institute for Pediatric Neuroscience, New York, NY, (2)Division of Biostatistics, NYU Child Study Center, New York, NY (3)Nathan Kline Institute for Psychiatric Research, Orangeburg, NY, (4)Institute for Brain Development, Weill Cornell Medical College, White Plains, NY, (5)Child Mind Institute, Center for the Developing Brain, NY, NY

11:00 37 106.037 Greater Right Hemisphere Recruitment in Response to Figurative Speech in Autism. H. M. Wadsworth[*] and R. K. Kana, University of Alabama, Birmingham, AL

9:00 38 106.038 Cerebro-Cerebellar Resting State Functional Connectivity for Motor and Prefrontal Networks in Adolescents with Autism Spectrum Disorders. A. J. Khan[*1], A. Nair[2], C. L. Keown[1], P. Shih[3], B. Keehn[4] and R. A. Müller[1], (1)Brain Development Imaging Lab, Department Psychology, San Diego State University, San Diego, CA, (2)San Diego State University / University of California, San Diego, San Diego, CA, (3)Neuroscience Department, Brown University, Providence, RI, (4)Laboratories of Cognitive Neuroscience, Children's Hospital Boston/Harvard Medical School, Boston, MA

10:00 39 106.039 'Spoken Vs Sung'- Investigating Auditory Brain Networks in Children with Autism. M. Sharda[*1] and N. C. Singh[2], (1)National Brain Research Centre, Manesar, Gurgaon, India, (2)Computational Neuroscience and Neuroimaging, National Brain Research Centre, Manesar, Haryana, India

11:00 40 106.040 Disruption of Functional Organization within the Primary Motor Cortex in Children with Autism. M. B. Nebel[*1,2], S. E. Joel[1,2], J. Muschelli[1,3], A. D. Barber[1,2], B. S. Caffo[3], J. J. Pekar[1,2] and S. H. Mostofsky[1,2], (1)Kennedy Krieger Institute, Baltimore, MD, (2)Johns Hopkins School of Medicine, Baltimore, MD, (3)Johns Hopkins School of Public Health, Baltimore, MD

9:00 41 106.041 Visuomotor Impairment and Underlying Cortico-Cerebellar Dysfunctions in Individuals with Autism. M. W. Mosconi[*], University of Texas Southwestern Medical Center, Dallas, TX

10:00 42 106.042 Oxytocin's Signature in Social Deficits of Patients with Autism Spectrum Disorders. E. Andari[*], Yerkes National Primate Research Center, Center for Translational Social Neuroscience, Emory University, Emory, GA

11:00 43 106.043 Behavioral and Neural Assesment of Implicit and Explicit Social Cognition In Autism. I. Dziobek[*1], G. Rosenblau[2], D. Kliemann[2], H. Kappelhoff[2] and H. R. Heekeren[2], (1)Freie Universität, Berlin, Germany, (2)Freie Universität, Berlin, Germany

9:00 44 106.044 Neuroendophenotype Discovery Using An fMRI Social Battery Task. A. Ahmed[*], Yale Child Study Center, Yale University, New Haven, CT

10:00 45 106.045 Autobiographical and Social Memory Narratives in Autism: Delineating the Role of the Hippocampus and Amygdala. R. S. Brezis[*], University of Chicago, Chicago, IL

11:00 46 106.046 Early Neural Network Activation During Emotional Face Processing in Adolescents with Autism. R. Leung[*1,2], H. Qureshi[1], E. W. Pang[3,4,5], M. L. Smith[2,4,6,7] and M. J. Taylor[1,2,4,7], (1)Diagnostic Imaging, Hospital for Sick Children, Toronto, ON, Canada, (2)Psychology, University of Toronto, Toronto, ON, Canada, (3)Department of Paediatrics, University of Toronto, Toronto, ON, Canada, (4)Hospital for Sick Children Research Institute, Neurosciences and Mental Health Program, Hospital for Sick Children, Toronto, ON, Canada, (5)Neurology, Hospital for Sick Children, Toronto, ON, Canada, (6)Psychology, Hospital for Sick Children, Toronto, ON, Canada, (7)Pediatrics, University of Toronto, Toronto, ON, Canada

9:00 47 106.047 Neural Correlates of Gender Differences in Patients with High-Functioning Autism Spectrum Disorder During Empathy. K. Schneider[*1,2], C. Regenbogen[1,2], K. D. Pauly[1,2], A. Gossen[1,2], D. Schneider[1], L. Mevissen[1], T. M. Michel[1], R. Gur[3], U. Habel[1,2] and F. Schneider[1,2,3], (1)Psychiatry, Psychotherapy, and Psychosomatics, RWTH Aachen University, Aachen, Germany, (2)JARA Translational Brain Medicine, Aachen, Germany, (3)Psychiatry, Perelman School of Medicine and the Philadelphia Veterans Administration Medical Center, Philadelphia, PA

10:00 48 106.048 Social Responsiveness Correlates with Neural Response to Affective Touch: An fNIRS Study. L. C. Anderson[*], R. H. Bennett, D. Z. Bolling, K. A. Pelphrey and M. D. Kaiser, Child Study Center, Yale University, New Haven, CT

11:00 49 106.049 Social Responsiveness Scale Predicts Activity in Limbic Regions for An Emotion Recognition Task. W. K. Lloyd[1], J. H. G. Williams[*2], G. D. Waiter[1], J. S. Lobmaier[3] and D. I. Perrett[4], (1)Aberdeen Biomedical Imaging Centre, University of Aberdeen, Aberdeen, United Kingdom, (2)Mental Health, University of Aberdeen, Aberdeen, United Kingdom, (3)Universität Bern, Bern, Switzerland, (4)School of Psychology, University of St. Andrews, St. Andrews, United Kingdom

9:00 50 106.050 Reduced Inferior Frontal Cortex Response to Explicit Emotion Judgment in Autism. M. S. Moore[*1], B. Wicker[2] and R. K. Kana[3], (1)The University of Alabama, Tuscaloosa, AL, (2)Mediterranean Institute of Cognitive Sciences, Aix-Marseille University, Marseille, France, (3)University of Alabama at Birmingham, Birmingham, AL

10:00 51 106.051 Cerebellar Activation Differentiates Children with Autism and Siblings in a Static Face Processing Task. R. I. Pillai[*], J. Tirrell, E. S. MacDonnell, H. Seib, K. A. Pelphrey and B. C. Vander Wyk, Child Study Center, Yale University, New Haven, CT

11:00 52 106.052 Spared Brain Function During Mentalizing and Self-Representation in Females with Autism Spectrum Conditions. M. V. Lombardo[*1], M. C. Lai[1], B. Chakrabarti[2], A. N. Ruigrok[3], E. T. Bullmore[4], J. Suckling[4], M. R. C. AIMS Consortium[5] and S. Baron-Cohen[1], (1)Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (2)Centre for Integrative Neuroscience and Neurodynamics, University of Reading, Reading, United Kingdom, (3)Autism Research Centre, Department of Psychiatry, University of Cambridge, Cambridge, United Kingdom, (4)Brain Mapping Unit, University of Cambridge, Cambridge, United Kingdom, (5)University of Cambridge, King's College London, University of Oxford, Cambridge, United Kingdom

9:00 53 106.053 Optimal Face Network Localization in Autism: A Comparison of Two Methodologies. A. Browne[*1], V. Troiani[1,2] and R. T. Schultz[1,3], (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)Neuroscience, University of Pennsylvania, Philadelphia, PA, (3)Pediatrics & Psychiatry, University of Pennsylvania, Philadelphia, PA

10:00 54 106.054 Self Representation and Frontal Brain Structure in Children with ASD. N. H. Kim, D. P. Carmody[*] and M. Lewis, Institute for the Study of Child Development, Robert Wood Johnson Medical School - UMDNJ, New Brunswick, NJ

11:00 55 106.055 Self-Related Representation in Individuals with High-Functioning Autism. H. Komeda[*1], H. Kosaka[2], D. N. Saito[3], Y. Mano[4], T. Fujii[5], H. Yanaka[3], T. Munesue[6] and H. Okazawa[7], (1)Center for Cognitive Brain Imaging, Carnegie Mellon University, Pittsburgh, PA, (2)Department of Neuropsychiatry, Faculty of Medical Sciences, University of Fukui, Fukui, Japan, (3)Research and Education Program for Life Science, University of Fukui, Fukui, Japan, (4)Department of Psychology, Northwestern University, Evanston, IL, (5)Child Development Research Center, University of Fukui, Fukui, Japan, (6)Research Center for Child Mental Development, Kanazawa University, Kanazawa, Japan, (7)Biomedical Imaging Research Center, University of Fukui, Fukui, Japan

9:00 56 106.056 Neural Connectivity in Young Adults with ASD: A Comparison of Brain Function During Theory of Mind and Resting State. J. Ren[*1], A. Smith-Collins[1], J. Clayden[2], C. Clark[2] and D. H. Skuse[1], (1)Behavioural and Brain Sciences, Institute of Child Health, University College London, London, United Kingdom, (2)Imaging and Biophysics Unit, Institute of Child Health, University College London, London, United Kingdom

10:00 57 106.057 Autistic Traits Associated with Diminished Response to Affective Touch. A. C. Voos[*], K. A. Pelphrey and M. D. Kaiser, Child Study Center, Yale University, New Haven, CT

11:00 58 106.058 Neural Representations of Personality Traits in Autism: An Investigation of Individual Differences. A. Mizuno[*1], D. L. Williams[2], T. A. Keller[1] and M. A. Just[1], (1)Center for Cognitive Brain Imaging, Carnegie Mellon University, Pittsburgh, PA, (2)Speech-Language Pathology, Duquesne University, Pittsburgh, PA

9:00 59 106.059 Temperament and Sensitivity for Social and Non-Social Reward in Adolescents with Autism Spectrum Disorders. L. Poustka[*1], C. Bach[1], F. Nees[2], S. Steiner[1], D. Brandeis[1] and T. Banaschewski[1], (1)Child and Adolescent Psychiatry and Psychotherapy, Central Institute of Mental Health, Mannheim, Germany, (2)Department of Cognitive and Clinical Neuroscience, Central Institute of Mental Health, Mannheim, Germany

10:00 60 106.060 Correlates of Complex Imitation Fidelity to Patterns of BOLD Signal Generated During An fMRI Study of Simple Imitation. L. Braadbaart[*1], J. H. G. Williams[2] and G. D. Waiter[3], (1)University of Aberdeen, Aberdeen, United Kingdom, (2)Mental Health, University of Aberdeen, Aberdeen, United Kingdom, (3)Aberdeen Biomedical Imaging Centre, University of Aberdeen, Aberdeen, United Kingdom

11:00 61 106.061 Different Brain Responses to Different Actions: A New Paradigm to Study Action Comprehension in Autism. F. Riva[*1,2], K. A. Pelphrey[2], D. Z. Bolling[2] and B. C. Vander Wyk[2], (1)Department of Psychology, University of Milano-Bicocca, Milano, Italy, (2)Child Study Center, Yale University, New Haven, CT

9:00 62 106.062 Understanding the "How" and "Why" of Actions in Autism Spectrum Disorders: The Role of Mirroring and Mentalizing Systems. L. Libero[*1], F. de Lange[2] and R. K. Kana[1], (1)University of Alabama, Birmingham, AL, (2)Donders Institute for Brain, Cognition and Behavior, Radboud University, Nijmegen, Netherlands

10:00 63 106.063 An fMRI Study of Observing Communicative and Directive Actions in High-Functioning Autism. T. J. Perkins[*1], J. A. McGillivray[2], R. Bittar[3], D. Flanagan[4] and M. A. Stokes[5], (1)Melbourne, VIC, Australia, (2)Psychology, Deakin University, Burwood, Australia, (3)Precision Neurosurgery, Melbourne, Australia, (4)Melbourne Brain Centre, Melbourne, Australia, (5)School of Psychology, Deakin University, Burwood, Australia

11:00 64 106.064 A Functional MRI Study of Imitation and the Mirror Neuron System in ASD. S. Carrington[*1,2] and A. J. Bailey[2,3], (1)Tower Building, Park Place, Cardiff University, Cardiff, Wales, 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

9:00 65 106.065 "I See What You're Saying." An fMRI Study of Speech-Gesture Integration in Autism and Typical Development. S. Lee[*1], M. Melnick[2] and L. Bennetto[2], (1)University of Rochester School of Medicine & Dentistry, Rochester, NY, (2)University of Rochester, Rochester, NY

10:00 66 106.066 The Neural Basis of Action Understanding in Autism and Typical Development. J. Pokorny[*1], N. V. Hatt[2], S. J. Rogers[3,4,5] and S. M. Rivera[2,6], (1)The M.I.N.D. Institute, University of California at Davis Medical Center, Davis, CA, (2)University of California, Davis, CA, (3)University of California, Davis, Sacramento, CA, (4)UC Davis MIND Institute, Sacramento, CA, (5)Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA, (6)Psychology, U.C. Davis Center for Mind & Brain, MIND Institute, Davis, CA

Poster Sessions

107 - Brain Imaging: Resting State fcfMRI and Structural Imaging

8:00 AM - 12:30 PM - Sheraton Hall

9:00 67 107.067 Aberrant White Matter Development Underlies Atypical Visual Orienting At 6 Months in Prodromal Autism. J. T. Elison[*1,2], S. Paterson[3], J. J. Wolff[4], T. Handler[5], K. Botteron[6], R. T. Schultz[3,7], J. Piven[8,9] and I. B. I. S. Network[10], (1)University of North Carolina, Chapel Hill, NC, (2)California Institute of Technology, Pasadena, CA, (3)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (4)Carolina Institute for Developmental Disabilities, University of North Carolina at Chapel Hill, Chapel Hill, NC, (5)Psychiatry, Washington University, St. Louis, MO, (6)Washington University School of Medicine, St. Louis, MO, (7)Pediatrics & Psychiatry, University of Pennsylvania, Philadelphia, PA, (8)Psychiatry, University of North Carolina, Chapel Hill, NC, (9)The Carolina Institute for Developmental Disabilities, University of North Carolina, Chapel Hill, NC, (10)Autism Center of Excellence, Chapel Hill, NC

10:00 68 107.068 Functional MRI Endophenotypes of Autism. M. D. Spencer[*1], R. J. Holt[1], L. R. Chura[1], J. Suckling[2], A. J. Calder[3], E. T. Bullmore[4] and S. Baron-Cohen[1], (1)Department of Psychiatry, Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (2)Brain Mapping Unit, University of Cambridge, Cambridge, United Kingdom, (3)MRC Cognition and Brain Sciences Unit, Cambridge, United Kingdom, (4)Department of Psychiatry, Brain Mapping Unit, University of Cambridge, Cambridge, United Kingdom

11:00 69 107.069 Dual-Boot MRI for Multi-Site and Longitudinal Studies of Autism Under Stable Conditions. T. E. Conturo[*1], A. R. McMichael[1], O. El-Ghazzawy[1], S. G. Kim[2] and D. Purdy[3], (1)Mallinckrodt Institute of Radiology, Washington University School of Medicine, St. Louis, MO, (2)Department of Radiology, University of Pittsburgh, Pittsburgh, PA, (3)Siemens Medical Solutions, Houston, TX

9:00 70 107.070 Atypical Brain Responses to Illusory Auditory Pitch in Children with Autism. J. Brock[*] and B. W. Johnson, Centre for Cognition and its Disorders, Macquarie University, Sydney, Australia

10:00 71 107.071 A MEG Investigation of Phonological Processing in Autism. L. B. Wilson[*1], E. Slason[1], B. E. Pasko[1], K. L. McFadden[1], S. Hepburn[2] and D. C. Rojas[1], (1)University of Colorado Denver, Anschutz Medical Campus, Aurora, CO, (2)University of Colorado/JFK Partners, Aurora, CO

11:00 72 107.072 Abnormal Lateralization of Auditory Magnetic Fields Evoked by Clicks In Autism Spectrum Disorders (ASD). E. V. Orekhova[1], A. V. Butorina[2], M. M. Tsetlin[2], S. I. Novikova[2], M. Elam[3] and T. A. Stroganova[*2], (1)University of Gothenburg, Gothenburg, Sweden, (2)MEG Center, Moscow State University of Psychology and Education, Moscow, Russia, (3)Sahlgrenska University Hospital, Gothenburg, Sweden

9:00 73 107.073 An MEG Study of High-Frequency Brain Oscillations in Autism and First-Degree Relatives During Picture Naming. I. Buard[*1], E. Kronberg[2], S. J. Rogers[3], S. Hepburn[4] and D. C. Rojas[2], (1)Department of Psychiatry, University of Colorado-Anschutz Medical Campus School of Medicine, Aurora, CO, (2)University of Colorado Denver, Anschutz Medical Campus, Aurora, CO, (3)Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA, (4)University of Colorado/JFK Partners, Aurora, CO

10:00 74 107.074 An MEG Study of Inhibition in Adolescents with Autism Spectrum Disorders. S. Varatharajah[*1,2,3], H. Qureshi[2], E. W. Pang[3,4], M. J. Taylor[2,3] and E. Anagnostou[3,4,5], (1)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (2)Diagnostic Imaging, The Hospital for Sick Children, Toronto, ON, Canada, (3)University of Toronto, Toronto, ON, Canada, (4)The Hospital for Sick Children, Toronto, ON, Canada, (5)Bloorview Research Institute, Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada

11:00 75 107.075 Impact of Methodological Variables on Functional Connectivity MRI Findings for Autism Spectrum Disorders. A. Nair[*1], C. L. Keown[2], M. C. Datko[2], B. Keehn[3], P. Shih[4] and R. A. Muller[5], (1)San Diego State University/ University of California, San Diego, CA, (2)Brain Development Imaging Lab, San Diego State University, San Diego, CA, (3)Laboratories of Cognitive Neuroscience, Children's Hospital Boston/Harvard Medical School, Boston, MA, (4)Neuroscience Department, Brown University, Providence, RI, (5)San Diego State University, San Diego, CA

9:00 76 107.076 MEG Measures of Inhibition in Adults with Autism Spectrum Disorders. S. Varatharajah[*1,2,3], H. Qureshi[2], K. A. R. Doyle-Thomas[1], J. Vidal[2], M. Batty[4], E. W. Pang[3,5], E. Anagnostou[3,5,6] and M. J. Taylor[2,3], (1)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (2)Diagnostic Imaging, The Hospital for Sick Children, Toronto, ON, Canada, (3)University of Toronto, Toronto, ON, Canada, (4)Centre de PedoPsychiatrie, INSERM U930, Tours France, (5)The Hospital for Sick Children, Toronto, ON, Canada, (6)Bloorview Research Institute, Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada

10:00 77 107.077 Functional Connectivity in ASD with Pharmacological Modulation of the Beta-Adrenergic System. J. P. Hegarty[*1], A. Narayanan[1,2], C. White[2], A. Abduljalil[2], P. Schmalbrock[2], B. J. Ferguson[1], C. R. McKinley[1] and D. Q. Beversdorf[3], (1)University of Missouri, Columbia, Columbia, MO, (2)The Ohio State University, Columbus, OH, (3)Radiology, Neurology, Psychology, and Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO

11:00 78 107.078 Increased Connectivity in Children with Autism Spectrum Disorders: Evidence Consistent with Poor Network Segregation. B. Yerys[*1], D. N. Abrams[2], E. M. Gordon[3], R. Weinblatt[2], K. F. Jankowksi[4], J. F. Strang[2], L. Kenworthy[2], R. T. Schultz[5], C. J. Vaidya[3] and W. D. Gaillard[6], (1)Center for Autism Research, The Children's Hospital of Philadelphia, Philadelphia, PA, (2)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (3)Georgetown University, Washington, DC, (4)University of Oregon, Eugene, OR, (5)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia,, PA, (6)Childrens National Medical Center, Washington, D.C.

9:00 79 107.079 Lack of Evidence for Neural Underconnectivity in High-Functioning Adults with Autism. D. P. Kennedy[*], J. M. Tyszka, L. K. Paul and R. Adolphs, California Institute of Technology, Pasadena, CA

10:00 80 107.080 Local Functional Connectivity in ASD Is Reduced, Not Increased. S. Khan[1], A. Gramfort[1], N. Shetty[1], J. M. Moran[2], S. M. Lee[2], J. D. E. Gabrieli[2], B. M. Joseph[3], H. Tager-Flusberg[3], M. R. Herbert[1], M. S. Hämäläinen[1] and T. Kenet[*1], (1)Massachusetts General Hospital, Charlestown, MA, (2)Brain and Cognitive Sciences, Massachusetts Institute of Technology, Cambridge, MA, (3)Department of Psychology, Boston University, Boston, MA

11:00 81 107.081 The Brain Connectome: A Multimodal Study of Discordant Monozygotic Autism Twins. K. Mevel[*1], P. Fransson[2], P. Lichtenstein[3], H. Anckarsäter[4], H. Forssberg[5] and S. Bölte[1], (1)Department of Women's and Children's Health, Astrid Lindgren Children's Hospital, Q2:07, Center of Neurodevelopmental Disorders (KIND), Karolinska Institute, Stockholm, Sweden, (2)Department of Clinical Neuroscience Retzius Väg 8, Building A2:3, Karolinska Institute, Stockholm, Sweden, (3)Department of Medical Epidemiology and Biostatistics, Karolinska Institute, Stockholm, Sweden, (4)Department of Forensic Psychiatry, Institute of Neuroscience and Physiology, Sahlgren's Academy, University of Gothenburg, Gothenburg, Sweden, (5)Neuropediatric Research Unit, Department of Women's and Children's Health, Astrid Lindgren Children's Hospital Q2:O7, Karolinska Institute, Stockholm, Sweden

9:00 82 107.082 Autism Risk Allele in PLAUR Is Associated with Reduced Structural Connectivity in ASD. D. Beck-Pancer[*1,2], J. D. Rudie[1], L. M. Hernandez[1,2], E. M. Kilroy[1], P. M. Thompson[3], P. Levitt[4], D. H. Geschwind[3], S. Y. Bookheimer[2] and M. Dapretto[1,2], (1)Brain Mapping Center, University of California, Los Angeles, CA, (2)Department of Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, CA, (3)Department of Neurology, University of California, Los Angeles, CA, (4)Zilkha Neurogenetic Institute, Keck School of Medicine, University of Southern California, Los Angeles, CA

10:00 83 107.083 A Cerebral Spectrum From Autism to Dyslexia: Determining Cortical Surface Complexity Utilizing Spherical Harmonics. M. F. Casanova[1], M. Nitzken[2], E. L. Williams[*3], A. E. Switala[1] and A. S. El-Baz[2], (1)Psychiatry & Behavioral Sciences, University of Louisville, Louisville, KY, (2)Bioengineering, University of Louisville, Louisville, KY, (3)University of Louisville, Louisville, KY

11:00 84 107.084 ASD Geometric Responders: Toward a Biologically Meaningful Subgroup. S. Marinero[*], K. Campbell, S. Solso, R. Hazin, E. Courchesne and K. Pierce, Department of Neurosciences and Autism Center of Excellence, University of California, San Diego, La Jolla, CA

9:00 85 107.085 Cortical Morphology and Links to Resting-State Oscillatory Activity in Autism Spectrum Disorders. L. Cornew[*], T. P. L. Roberts, J. McDaniel and J. C. Edgar, Lurie Family Foundations MEG Imaging Center, Department of Radiology, Children's Hospital of Philadelphia, Philadelphia, PA

10:00 86 107.086 Neuroanatomical Correlates of Cognitive Flexibility in Adolescents with Autism and the Broader Phenotype. R. J. Holt[*1], L. R. Chura[1], A. M. Dean[2], S. Baron-Cohen[1] and M. D. Spencer[1], (1)Department of Psychiatry, Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (2)Brain Mapping Unit, University of Cambridge, Cambridge, United Kingdom

11:00 87 107.087 Decreased Gray Matter in Orbitofrontal and Superior Temporal Areas in Autism: A Voxel-Based Morphometry Study. A. J. Rozsa[*], L. Libero, H. D. Deshpande, M. Morris and R. K. Kana, University of Alabama, Birmingham, AL

9:00 88 107.088 Mapping Cortical Anatomy in Young Children with Autism Using Surface Based Morphometry. A. Raznahan[*1], R. Lenroot[2], A. Thurm[3], M. Gozzi[3], A. Hanley[1], S. J. Spence[4], S. Swedo[3] and J. Giedd[1], (1)Child Psychiatry Lab, National Institute of Mental Health, Bethesda, MD, (2)University of New South Wales, Sydney, Australia, (3)Pediatrics & Developmental Neuroscience Branch, National Institute of Mental Health, Bethesda, MD, (4)Children's Hospital, Boston, MA

10:00 89 107.089 Preliminary Findings From a Longitudinal Examination of Brain Volume From 6 to 24 Months in Infants At High Familial Risk for Autism. H. C. Hazlett[*1], H. Gu[2], M. Styner[3], D. L. Collins[4], V. Fonov[5], G. Gerig[6], K. Botteron[7], S. R. Dager[8], S. Paterson[9], R. T. Schultz[9,10], A. C. Evans[4], J. Piven[11,12] and I. B. I. S. Network[13], (1)Carolina Institute for Developmental DIsabilities, University of North Carolina, Chapel Hill, NC, (2)University of North Carolina, Chapel Hill, NC, (3)UNC, Chapel Hill, NC, (4)Montreal Neurological Institute, Montreal, QC, Canada, (5)Montreal Neurological Institute, Montreal, QC, (6)University of Utah, Salt Lake City, UT, (7)Washington University School of Medicine, St. Louis, MO, (8)University of Washington, Seattle, WA, (9)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (10)Pediatrics & Psychiatry, University of Pennsylvania, Philadelphia, PA, (11)Psychiatry, University of North Carolina, Chapel Hill, NC, (12)The Carolina Institute for Developmental Disabilities, University of North Carolina, Chapel Hill, NC, (13)Autism Center of Excellence, Chapel Hill, NC

11:00 90 107.090 Cortical Thickness in Adults with Autism. P. C. Regener[*1], L. S. McKay[2], D. R. Simmons[1], P. McAleer[1], D. Marjoram[1], J. Piggot[3] and F. E. Pollick[1], (1)School of Psychology, University of Glasgow, Glasgow, United Kingdom, (2)Netherlands Institute for Neuroscience, Amsterdam, Netherlands, (3)Department of Psychiatry, University of Dundee, Dundee, United Kingdom

9:00 91 107.091 Self-Injurious Behaviours Are Associated with Alterations in the Somatosensory System in Children and Adolescents with Autism Spectrum Disorders: A Multimodal Brain Imaging Study. E. G. Duerden[*1], S. W. Roberts[2,3], J. Villafuerte[1], M. M. Chakravarty[4], K. M. Mak-Fan[1], J. P. Lerch[5] and M. J. Taylor[1], (1)Department of Diagnostic Imaging, Hospital for Sick Children, Toronto, ON, Canada, (2)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (3)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (4)Kimel Family Translational Imaging-Genetics Laboratory, Research Imaging Centre, Centre for Addiction and Mental Health, Toronto, ON, Canada, (5)Mouse Imaging Centre, The Hospital for Sick Children, Toronto, ON, Canada

10:00 92 107.092 The Effect of Age and Symptom Severity On Brain Surface Area In Autism Spectrum Disorders. K. A. R. Doyle-Thomas[*1], A. Kushki[2], E. G. Duerden[3], M. J. Taylor[3], J. P. Lerch[4], L. V. Soorya[5], A. T. Wang[5], J. Fan[6] and E. Anagnostou[2], (1)Bloorview Research Institute, Toronto, ON, Canada, (2)Bloorview Research Institute, Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (3)Department of Diagnostic Imaging, Hospital for Sick Children, Toronto, ON, Canada, (4)Mouse Imaging Centre, The Hospital for Sick Children, Toronto, ON, Canada, (5)Psychiatry, Mount Sinai School of Medicine, New York, NY, (6)Psychiatry, Mount Sinai School of Medicine, New York, NY

11:00 93 107.093 Abnormal Brain Surface Morphology and Gyrification Pattern in Children with Autism Spectrum Provides Clues to Prenatal Onset. G. Fung[*1], S. E. Chua[1], P. Chan[2], K. Yu[1], C. Wong[1], C. Tang[1], A. Lam[2], P. L. Khong[3], H. Mak[3], C. Cheung[1] and G. M. McAlonan[1,4], (1)Department of Psychiatry, University of Hong Kong, Hong Kong, (2)Queen Mary Hospital, Hospital Authority, Hong Kong, (3)Department of Radiology, University of Hong Kong, Hong Kong, (4)Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom

9:00 94 107.094 Age-Related Differences in Optic Nerve Geometry in Autism Spectrum – a Potential Imaging Marker?. C. Cheung[1], C. P. W. Tsang[1], G. Fung[1], S. E. Chua[1,2] and G. M. McAlonan[*3,4], (1)Department of Psychiatry, University of Hong Kong, Hong Kong, (2)State Key Laboratory for Brain and Cognitive Sciences, Hong Kong, (3)King's Academic Health Care Partners, Behavioural and Developmental Disorders Clinical Academic Group, London, United Kingdom, (4)Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom

10:00 95 107.095 Imaging Radial Cortical Anisotropy to Measure Microstructure of the Cortex in Autism: A Novel Method for the Detection of Early Brain Changes. R. M. McKavanagh and S. A. Chance[*], Dept of Clinical Neurosciences, Neuroanatomy & Cognition Group, University of Oxford, Oxford, United Kingdom

11:00 96 107.096 Analysis of High Quality Diffusion Tensor Imaging in Young Children with Autism. L. Walker[1,2], M. Gozzi[3], A. Thurm[3], B. Behseta[3], R. Lenroot[4], S. Swedo[3] and C. Pierpaoli[*1], (1)PPITS/STBB/NICHD/NIH, Bethesda, MD, (2)CNRM, USUHS, Bethesda, MD, (3)National Institutes of Health - National Institute of Mental Health, Bethesda, MD, (4)University of New South Wales, Sydney, Australia

9:00 97 107.097 Associations Between White Matter Integrity and Anxiety Symptoms in Children with Autism Spectrum Disorders. L. E. Bradstreet[*1], H. Eavani[1], L. Berry[1], I. Giserman[1], R. T. Schultz[1,2] and J. D. Herrington[1], (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)Pediatrics & Psychiatry, University of Pennsylvania, Philadelphia, PA

10:00 98 107.098 Correlation Between Gyral Window and Corpus Callosum: An MRI Study. 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

11:00 99 107.099 Investigating Superficial White Matter Connections Using Diffusion Tensor Tractography. S. H. Ameis[*1,2], C. Rockel[3,4], T. Cunningham[5], F. Liu[6], N. Law[7], R. J. Schachar[8] and D. Mabbott[9], (1)University of Toronto, Toronto, ON, Canada, (2)Psychiatry, The Hospital for Sick Children, University of Toronto, Toronto, ON, Canada, (3)Haematology/Oncology, The Hospital for Sick Children, Toronto, ON, Canada, (4)Biomedical Engineering, McMaster University, Hamilton, ON, Canada, (5)Psychology, The Hospital for Sick Children, Toronto, ON, Canada, (6)Sick Kids Research Institute, The Hospital for Sick Children, Toronto, ON, Canada, (7)Neuroscience and Mental Health, The Hospital for Sick Children, Toronto, ON, Canada, (8)Neurosciences and Mental Health Psychiatry Dept., The Hospital for Sick Children, Toronto, ON, Canada, (9)Pediatric Brain Tumour Program, Haematology/Oncology, The Hospital for Sick Children, Toronto, ON, Canada

9:00 100 107.100 Atypical Relation Between Age and Measures of White Matter Diffusivity in Children with An Autism Spectrum Disorder (ASD). K. M. Mak-Fan[*1], D. J. Morris[2], J. Vidal[3], E. Anagnostou[4,5], W. Roberts[6,7] and M. J. Taylor[8,9,10], (1)University of Toronto, Toronto, ON, Canada, (2)Diagnostic Imaging, SickKids Hospital, Toronto, ON, Canada, (3)Diagnostic Imaging, The Hospital for Sick Children, Toronto, ON, Canada, (4)Bloorview Research Institute, Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (5)The Hospital for Sick Children, Toronto, ON, Canada, (6)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (7)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (8)Department of Diagnostic Imaging, Hospital for Sick Children, Toronto, ON, Canada, (9)Hospital for Sick Children Research Institute, Neurosciences and Mental Health Program, Hospital for Sick Children, Toronto, ON, Canada, (10)Psychology, University of Toronto, Toronto, ON, Canada

10:00 101 107.101 Longitudinal DTI of the Corpus Callosum in Individuals with Autism Spectrum Disorder: Differences in Fractional Anisotropy. A. Alexander[*1], B. G. Travers[2], N. Adluru[3], N. Lange[4], C. Ennis[5], P. T. Fletcher[6], M. B. DuBray[7], A. Froehlich[8] and J. E. Lainhart[9], (1)Psychiatry, University of Wisconsin, Madison, WI, (2)Waisman Center, University of Wisconsin-Madison, Madison, WI, (3)Waisman Center, University of Wisconsin, Madison, WI, (4)Psychiatry, Harvard University, Cambridge, MA, (5)University of Wisconsin, Madison, WI, (6)School of Computing, University of Utah, SLC, UT, (7)Interdepartmental Program in Neuroscience, University of Utah, Salt Lake City, UT, (8)University of Utah, Salt Lake City, UT, (9)Psychiatry, University of Utah, Salt Lake City, UT

11:00 102 107.102 Structural White Matter Abnormalities in Children and Adolescents with High-Functioning Autism Spectrum Disorders. C. Cullell[*1], M. Rosa[2], O. Puig[1,2], V. Sánchez[1,2], L. Lázaro[1,2] and R. Calvo[1,2], (1)CIBERSAM, Barcelona, Spain, (2)Department of Child and Adolescent Psychiatry and Psychology, Hospital Clínic de Barcelona, Barcelona, Spain

9:00 103 107.103 DSM Through the Looking Glass: Corpus Callosum Volume in High-Functioning Autism and Asperger Syndrome. L. R. Chura[*], D. L. Floris, R. J. Holt, S. Baron-Cohen and M. D. Spencer, Department of Psychiatry, Autism Research Centre, University of Cambridge, Cambridge, United Kingdom

10:00 104 107.104 Is Myelin Content Altered In Young Adults with Autism?. J. Zinkstok[1], S. Kolind[2], V. D'Almeida[*2,3], A. Shahidiani[2,3], S. C. Williams[1,2], D. G. Murphy[4] and S. C. Deoni[2], (1)Institute of Psychiatry, King's College, London, United Kingdom, (2)Centre for Neuroimaging Sciences, King's College, London, United Kingdom, (3)Forensic and Developmental Neuroscience, Institute of Psychiatry, King's College, London, United Kingdom, (4)Forensic and Neurodevelopmental Sciences, King's College, Institute of Psychiatry, London, United Kingdom

11:00 105 107.105 Macrocephalic Individuals with Autism Have Increased White Matter Whereas Normocephalic Individuals with Autism Exhibit Preserved Volumes. R. J. Jou[*1,2], K. A. DeBenedictis[2], D. M. DePedro[2], I. Y. Murphy[2] and K. A. Pelphrey[2], (1)Investigative Medicine Program, Yale University Graduate School of Arts & Sciences, New Haven, CT, (2)Yale University, Child Study Center, New Haven, CT

9:00 106 107.106 Glutamate Dysfunction in the Basal Ganglia of Autism Spectrum Disorders : An MRS Study. Y. Yoshihara[*1], G. Sugihara[2], A. Ishizuka[3], H. Yogo[3], K. Nakamura[4], T. Sugiyama[5], K. Matsumoto[2], K. J. Tsuchiya[2], K. Suzuki[2], N. Takei[2], M. Tsujii[6] and N. Mori[4], (1)Hamamatsu University School of Medicine, Hamamatsu, Japan, (2)Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (3)Department of Radiology, Koujin Hospital, Nagoya, Japan, (4)Psychiatry and Neurology, Hamamatsu University School of Medicine, Hamamatsu, Japan, (5)Child and Adolescent Psychiatry, Hamamatsu University School of Medicine, Hamamatsu, Japan, (6)Department of Contemporary Sociology, Chukyo University, Nagoya, Japan

10:00 107 107.107 Glutamate / Glutamine in the Basal Ganglia Is Associated with Executive Function and Communication Impairments in Autism: A [1H]MRS Study. J. Horder[*1], M. A. Mendez[1], T. J. Lavender[2], S. Maltezos[3], C. M. Murphy[4], C. Ecker[5], E. Daly[1] and D. G. Murphy[6], (1)Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College, London, United Kingdom, (2)Institute of Psychiatry, King's College, London, United Kingdom, (3)The Maudsley Hospital, London, United Kingdom, (4)Forensic and Neurodevelopmental Sciences, King's College, Institute of Psychiatry, London, United Kingdom, (5)Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, London, United Kingdom, (6)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College, London, United Kingdom

11:00 108 107.108 Altered Development of Striatal Structures Is Involved In Autistic Behaviour. M. Langen[*], H. Nederveen, D. Bos, S. Noordermeer, H. van Engeland and S. Durston, Department of Child and Adolescent Psychiatry, Rudolf Magnus Institute of Neuroscience, University Medical Center, Utrecht, Netherlands

9:00 109 107.109 Linking GABA to Tactile Function in ASD: A Pilot Magnetic Resonance Spectroscopy (MRS) Study. D. J. McGonigle[*1], L. White[2], N. Puts[3], R. Kent[4], S. Carrington[5], M. Tommerdahl[6], R. Edden[7], K. Singh[8], D. Jones[9] and S. R. Leekam[10], (1)Schools of Biosciences/Psychology, Cardiff University, Cardiff, United Kingdom, (2)WARC, School of Pyschology, Cardiff University, Cardiff, United Kingdom, (3)School of Biosciences, Cardiff University, Cardiff, United Kingdom, (4)WARC, School of Psychology, Cardiff University, Cardiff, United Kingdom, (5)Wales Autism Research Centre, School of Psychology, Cardiff University, Cardiff, United Kingdom, (6)University of North Carolina, Chapel Hill, NC, (7)Division of Neuroradiology, John Hopkins University, Baltimore, MD, (8)CUBRIC, School of Psychology, Cardiff University, Cardiff, United Kingdom, (9)CUBRIC, School of Psychology, Cardiff University, Cardiff, United Kingdom, (10)Park Place, Cardiff University, Cardiff, United Kingdom

10:00 110 107.110 Reduced Auditory Cortical GABA Concentration in ASD and First Degree Relatives. D. C. Rojas[*1], S. E. Steinmetz[1], D. Singel[1], S. Hepburn[1] and M. Brown[2], (1)University of Colorado Denver, Anschutz Medical Campus, Aurora, CO, (2)Radiology, University of Colorado Denver, Anschutz Medical Campus, Aurora, CO

Poster Sessions
108 - Cell Biology
8:00 AM - 12:30 PM - Sheraton Hall

9:00 111 108.111 The Therapeutic Effect of Memantine Through the Stimulation of Synapse Formation and Dendritic Spine Maturation in Autism and Fragile X Syndrome. H. Wei[1], M. Malik[*2], C. Dobkin[1], A. Sheikh[1], W. T. Brown[3] 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)New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY

10:00 112 108.112 Correlation Between Hepatocyte Growth Factor (HGF) and GABA Plasma Levels in Autistic Children. A. J. Russo[*], Health Research Institute, Oneonta, NY; Biology, Hartwick College, Oneonta, NY

11:00 ▸ 113 108.113 Heavy Metal Exposures As a Risk Factor for Autism in Oman. M. I. Waly[*1], Y. M. Al-Farsi[1], A. Ali[1], M. Al-Sharbati[1], M. M. Al-Khaduri[1], A. Ouhtit[1], M. Al-Shafaee[1], O. A. Al-Farsi[1] and R. Deth[2], (1)Sultan Qaboos University, Muscat, Oman, (2)Northeastern University, Boston, MA

9:00 114 108.114 The Oxytocin Agonist WAY267464 Is Also A Potent Vasopressin 1A Antagonist. C. Grundschober[*1], C. Risterucci[1], T. Mueggler[1], B. Biemans[1], C. Bissantz[2], S. Belli[3], M. Schmitt[4] and P. Schnider[2], (1)CNS Discovery, F. Hoffmann-La Roche, Basel, Switzerland, (2)Medicinal Chemistry, F. Hoffmann-La Roche, Basel, Switzerland, (3)Early ADME, F. Hoffmann-La Roche, Basel, Switzerland, (4)DMPK Development, F. Hoffmann-La Roche, Basel, Switzerland

10:00 115 108.115 Spontaneous Integration of Human DNA Fragments Into Host Genomes. K. Koyama[*] and T. A. Deisher, Sound Choice Pharmaceutical Institute, Seattle, WA

11:00 116 108.116 qRT-PCR-Based Assessment of Redox and Methylation Cycle Gene Expression in Autism. M. S. Trivedi[*1], N. Hodgson[1], S. Al Mughairy[2], M. Kesir[3], D. Feingold[3], M. I. Waly[4], Y. Alfarsi[4] and R. Deth[3], (1)Pharmaceutical Sciences, Northeastern University, Boston, MA, (2)Biology, Northeastern University, Boston, MA, (3)Northeastern University, Boston, MA, (4)Sultan Qaboos University, Muscat, Oman

9:00 117 108.117 Effects of Prenatal and Postnatal Sex Steroid Hormones on the Development of Autistic Traits in Children At 18-24 Months of Age. B. Auyeung[*1], J. Ahluwalia[2], L. Thomson[3], K. Taylor[4], G. Hackett[5] and S. Baron-Cohen[1], (1)Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (2)Medical Director's Office, Cambridge University Hospitals NHS Foundation Trust, Cambridge, United Kingdom, (3)Cambridge University Hospitals NHS Foundation Trust, Cambridge, United Kingdom, (4)Department of Clinical Biochemistry, Cambridge University Hospitals NHS Foundation Trust, Cambridge, United Kingdom, (5)Obstetrics and Gynaecology, Cambridge University Hospitals NHS Foundation Trust, Cambridge, United Kingdom

10:00 118 108.118 Understanding Autism: How a Single Mutation Contributes to the Autism Phenotype. A. Chiocchetti[*1,2,3], D. Haslinger[2], J. Kellermann[4], R. Waltes[1], F. Poustka[1], J. W. Bauer[5], C. M. Freitag[1], H. Hintner[5], F. Lottspeich[4], S. Wiemann[3], L. Breitenbach-Koller[2] and S. M. Klauck[3], (1)Department of Child and Adolescent Psychiatry, Psychosomatics and Psychotherapy, Goethe-University, Frankfurt am Main, Germany, (2)Department of Cell Biology, Paris-Lodron University, Salzburg, Austria, (3)Division of Molecular Genome Analysis, German Cancer Research Center (DKFZ), Heidelberg, Germany, (4)Protein Analysis, Max Planck Institute for Biochemistry, Munich, Germany, (5)Division of Molecular Dermatology and EB House Austria, Department of Dermatology, Paracelsus Medical University, Salzburg, Austria

11:00 ▸ 119 108.119 Autism in Oman: Nutritional Deficiencies in Vitamin B12 and Folate Associated with Gender-Specific Abnormalities in Serum Thiol Levels. N. Hodgson[1], R. Deth[*2], M. I. Waly[3] and Y. Alfarsi[3], (1)Pharmaceutical Sciences, Northeastern University, Boston, MA, (2)Northeastern University, Boston, MA, (3)Sultan Qaboos University, Muscat, Oman

9:00 120 108.120 IL-6 Elevation in Brain Causes Neural Circuitry Imbalance and Mediates Autism-Like Behavior. X. Li[*1], H. Wei[2], K. Chadman[2], D. McCloskey[3], A. Sheikh[2], M. Malik[4] and W. T. Brown[5], (1)New York State Institute for Basic Research in Developmental Disabilities, New York, NY, (2)New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (3)College of Staten Island/CUNY, Staten Island, NY, (4)New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (5)New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY

10:00 121 108.121 Identification of Transcriptional Targets of RORA, a Novel Candidate Gene for Autism Spectrum Disorder. T. Sarachana[*] and V. W. Hu, Biochemistry and Molecular Biology, The George Washington University, Washington, D.C.

11:00 122 108.122 Identification of Maternal Antibody Targets in Autism. D. Braunschweig[*] and J. Van de Water, University of California, Davis, CA

9:00 123 108.123 The Glutathione Pathway and Mercury Sensitivity in Autism. M. Garrecht[*], Swinburne University, Glen Iris, Australia

10:00 124 108.124 Neuroligin Has Cell-Autonomous As Well As Cell-Non-Autonomous Functions In C. Elegans. J. B. Rand[*], G. P. Mullen, E. A. Mathews and J. W. Hunter, Genetic Models of Disease, Oklahoma Medical Research Foundation, Oklahoma City, OK

11:00 125 108.125 Differential Immune Response to the Environmental Toxicant, BDE-49 in Chidlren with Autism Spectrum Disorders. M. D. Eloi[*1], D. Zhou[2], R. Boyce[1], X. Yang[2], I. N. Pessah[3] and J. Van de Water[4], (1)School of Medicine, Department of Internal Medicine, Division of Rheumatology, Allergy and Clinical Immunology, University of California, Davis, CA, (2)School of Medicine, Department of Public Health, Division of Biostatistics, University of California, Davis, CA, (3)University of California, M.I.N.D. Institute, Davis, CA, (4)University of California, Davis, M.I.N.D. Institute, Sacramento, CA

9:00 126 108.126 Immune Dysfunction in Fragile X Syndrome and Autism. M. Careaga[*1,2], K. Basuta[1], F. Tassone[1,3] and P. Ashwood[1,2], (1)University of California, Davis, MIND Institute, Sacramento, CA, (2)Department of Medical Microbiology and Immunology Univ. California, Davis, CA, Davis, CA, (3)Department of Biochemistry and Molecular Medicine, University of California Davis School of Medicine, Davis, CA

10:00 127 108.127 Implications of Altered Brain DeiodinaseType 2 (D2) Expresion in Animal Models and Postmortem Human Brains Derived From ASD Donors. E. M. Sajdel-Sulkowska[*1], A. Khan[2] and A. M. Zavacki[3], (1)Psychiatry, Harvard Medical School/ BWH, Boston, MA, (2)Psychiatry, HMS/BWH, Boston, MA, (3)Medicine, HMS/BWH, Boston, MA

11:00 128 108.128 The Implications of Prostaglandin E2-Wnt Signaling Pathway Interaction in Autism. C. Wong[*1,2], H. Li[1] and D. A. Crawford[1,2,3], (1)School of Kinesiology and Health Science, York University, Toronto, ON, Canada, (2)Neuroscience Graduate Diploma Program, York University, Toronto, ON, Canada, (3)Department of Biology, York University, Toronto, ON, Canada

9:00 129 108.129 Maternal Inflammation Increases the Number of Basal Forebrain Cholinergic Neurons and Alters Neuregulin-1 Expression in the Hippocampus. L. Pratt[*1], L. Ni[2] and G. M. Jonakait[2], (1)Rutgers University-Newark, Newark, NJ, (2)New Jersey Institute of Technology, Newark, NJ

10:00 130 108.130 Developmental Expression of Neuroligin and Neurexin mRNAs in the Fragile X Mouse. J. Lai[*1], S. Jacobs[2], L. Doering[2] and J. A. Foster[1], (1)Psychiatry and Behavioural Neuroscience, McMaster University, Hamilton, ON, Canada, (2)Pathology and Molecular Medicine, McMaster University, Hamilton, ON, Canada

Poster Sessions
109 - Genetics and Genomics
8:00 AM - 12:30 PM - Sheraton Hall

9:00 131 109.131 The Broader Autism Phenotype in Simplex and Multiplex Families. J. Gerdts[*1], R. Bernier[1], K. Ankenman[1] and G. Dawson[2], (1)University of Washington, Seattle, WA, (2)University of North Carolina, Autism Speaks, Chapel Hill, NC

10:00 132 109.132 Understanding Parents' Opinions About Clinical Genetic Testing in ASD. J. Parr[*], Institute of Neuroscience, Newcastle University, Newcastle upon Tyne, United Kingdom

11:00 133 109.133 A Role for UBE3A in Structural Plasticity During the Critical Period of Neocortical Development. P. A. McCoy[*1,2] and B. D. Philpot[1,2,3], (1)Cell and Molecular Physiology, UNC, Chapel Hill, NC, (2)Carolina Institute for Developmental Disabilities, UNC, Chapel Hill, NC, (3)Neuroscience Center, UNC, Chapel Hill, NC

9:00 134 109.134 Blood Gene Expression Differences Between Autism Spectrum Disorders and Other Types of Developmental Delay. S. Letovsky[*1], M. E. Causey[2], C. Proulx[3], J. Skoletsky[3] and I. Hertz-Picciotto[4], (1)SynapDx Corporation, Southborough, MA, (2)SynapDx Corporation, Belmont, MA, (3)SynapDx Corporation, Woburn, MA, (4)The UC Davis Medical Investigation of Neurodevelopmental Disorders (MIND) Institute, University of California Davis, Sacramento, CA

10:00 135 109.135 De Novo Point Mutations, Revealed by Whole-Exome Sequencing, Are Strongly Associated with Autism Spectrum Disorders. S. J. Sanders[*1] and M. W. State[2], (1)Genetics, Yale University, New Haven, CT, (2)Yale University School of Medicine, New Haven, CT

11:00 136 109.136 Blood-Based Gene Expression Signatures of Autistic Infants and Toddlers. S. J. Glatt[*1], M. T. Tsuang[2], M. E. Winn[3,4], S. D. Chandler[2], M. Collins[2], L. Lopez[5], M. Weinfeld[6], C. Carter[7], N. Schork[8], K. Pierce[5] and E. Courchesne[7], (1)Psychiatry and Behavioral Sciences & Neuroscience and Physiology, SUNY Upstate Medical University, Syracuse, NY, (2)Center for Behavioral Genomics, Department of Psychiatry, University of California, San Diego, La Jolla, 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)Department of Neurosciences and Autism Center of Excellence, University of California, San Diego, CA, (6)Neurosciences, University of California, San Diego, UCSD Autism Center of Excellence, La Jolla, CA, (7)Department of Neurosciences and Autism Center of Excellence, University of California, San Diego, La Jolla, CA, (8)Molecular and Experimental Medicine and UCSD Autism Center of Excellence, The Scripps Translational Research Institute, La Jolla, CA

9:00 137 109.137 Common SNPs, Rare CNVs and the Expression Network Between?. Y. Cheng[1], K. Tsang[1], E. Frank[1] and L. A. Weiss[*2], (1)Psychiatry and Institute for Human Genetics, UCSF, San Francisco, CA, (2)UCSF Department of Psychiatry, Institute for Human Genetics, San Francisco, CA

10:00 138 109.138 Genetic Abnormalities in Adults with Autism Spectrum Disorders. G. Stobbe[*], F. Hisama, L. Hudgings, O. Thompson and R. Wu, University of Washington, Seattle, WA

11:00 139 109.139 The CNV Module of AutDB: A New Resource for the Clinical Genetics of Autism Spectrum Disorders. E. Larsen[*] and S. B. Basu, MindSpec Inc., McLean, VA

9:00 140 109.140 The Human Gene Module of AutDB: A Gene Reference Resource for Autism Research. T. Wadkins[*] and S. B. Basu, MindSpec Inc., McLean, VA

10:00 ▸ 141 109.141 Evaluation of GABA(A) Receptor (GABAA-R) Subunits Polymorphisms in An Argentinean Population of Autism Spectrum Disorders (ASD). C. V. Sesarini[*1], A. R. Cajal[2], L. Costa[1], M. Naymark[3], M. García Coto[4], R. C. Pallia[3], G. E. Agosta[3], N. Grañana[5] and P. F. Argibay[1], (1)Brain and Cognition Laboratory, Instituto de Ciencias Básicas y Medicina Experimental (ICBME), Hospital Italiano de Buenos Aires, Buenos Aires, Argentina, (2)Instituto de Ciencias Básicas y Medicina Experimental (ICBME), Hospital Italiano de Buenos Aires, Buenos Aires, Argentina, (3)Hospital Italiano de Buenos Aires, Buenos Aires, Argentina, (4)Centro de Investigaciones del Desarrollo Psiconeurológico (CIDEP), Buenos Aires, Argentina, (5)Hospital Carlos G Durand, Buenos Aires, Argentina

11:00 142 109.142 Screening for Variants in the PTEN Gene in ASD Patients in Saudi Arabia. A. Adi[1], B. A. Al Tawil[2], M. Aldosari[*3], A. Almuslamani[3], M. Nester[3], 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 Genetics, Research Center, King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia, (3)Department of Neurosciences, King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia

9:00 143 109.143 DNA Methylation of the Oxytocin Receptor (OXTR) and Associated Genes in Autism Spectrum Disorder (ASD). D. Butcher[*1], D. Grafodatskaya[1], R. Rajendram[1], S. Goodman[1], Y. Lou[1], C. Zhao[1], S. W. Scherer[2], W. Roberts[3,4], E. Anagnostou[5] and R. Weksberg[1], (1)Genetics and Genome Biology, The Hospital for Sick Children, Toronto, ON, Canada, (2)The Centre for Applied Genomics, The Hospital for Sick Children, Toronto, ON, Canada, (3)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (4)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (5)Bloorview Research Institute, Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada

10:00 144 109.144 Disclosing Results of Autism Genomic Testing–Systematic Review and Applying Its Results to Clinical Practice. B. Chung[*1], D. Cheuk[2], M. Tang[3], E. Lau[3], Y. K. Chan[3] and Y. L. Lau[4], (1)Queen Mary Hospital, Pokfulam Road, The University of Hong Kong, China, (2)Queeh Mary Hospital, Hong Kong, (3)Tsan Yuk Hospital, Hong Kong, (4)The University of Hong Kong, China

11:00 145 109.145 Using Cluster Analysis to Define Subgroups of Phenotypic Expression for Autism Spectrum Disorders. O. J. Veatch[*1], B. Yaspan[1], N. Schnetz-Boutaud[1], M. A. Pericak-Vance[2] and J. L. Haines[1], (1)Center for Human Genetics, Vanderbilt University, Nashville, TN, (2)Hussman Institute for Human Genomics, University of Miami, Miami, FL

9:00 146 109.146 Applying Atomistic Modeling to Predict NLGN3 Isoform Binding to Neurexin 1- Beta. N. Doan[*1], T. A. Deisher[1], S. D. Solares[2] and Z. Talebizadeh[3], (1)Sound Choice Pharmaceutical Institute, Seattle, WA, (2)University of Maryland, College Park, MD, (3)Children's Mercy Hospital and University of Missouri-Kansas City, Kansas City, MO

10:00 147 109.147 Tactile Sensitivity Phenotypes Associated with Variation in the Autism Candidate Gene GABRB3 in Typical Developing Children. T. Tavassoli[*1], B. Auyeung[1], L. Murphy[2], S. Baron-Cohen[1] and B. Chakrabarti[3], (1)Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (2)ARC, Cambridge, United Kingdom, (3)Centre for Integrative Neuroscience and Neurodynamics, University of Reading, Reading, United Kingdom

11:00 ▸ 148 109.148 Autism Incidence and Association with MECP2 Variants on a Positively-Selected Haplotype in North-Eastern China. X. Zhou[*1,2], Y. Xu[1,2,3], L. J. Wu[1,2], Q. Ayub[1], C. Tyler-Smith[1] and Y. Xue[1], (1)The Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambs., United Kingdom, (2)Department of Children's and Adolescent Health, Public Health College of Harbin Medical University, Harbin, China, (3)Center for Behavioural Science, School of Medicine, Nankai University, Tianjin, China

9:00 ▸ 149 109.149 Dravet Syndrome-Genetic Analysis of SCN1A and PCDH19 Mutations for 17 Chinese Children. V. C. N. Wong[*], A. K. Y. Kwong and C. W. Fung, Department of Paediatrics and Adolescent Medicine, The University of Hong Kong, China

10:00 150 109.150 Genome-Wide Transcriptome Profiling Reveals the Functional Impact of Rare De Novo CNVs and Recurrent Events At 16p11.2 and 7q11.23 in ASD. R. Luo[1], S. J. Sanders[2], Y. Tian[3], I. Voineagu[4], N. Huang[5], S. H. Chu[6], L. Klei[7], C. Cai[8], J. K. Lowe[9], J. Ou[4], M. E. Hurles[10], B. Devlin[7], M. W. State[11] and D. H. Geschwind[*9], (1)Los Angeles, CA, (2)Child Study Center and Departments of Psychiatry and Genetics, Yale University School of Medicine, New Haven, CT, (3)Bioinformatics IDP, University of California, Los Angeles, CA, (4)Neurology, UCLA, Los Angeles, CA, (5)Wellcome Trust Sanger Institute, Cambridge, United Kingdom, (6)Carnegie Mellon University, Pittsburgh, PA, (7)University of Pittsburgh School of Medicine, Pittsburgh, PA, (8)University of California, Los Angeles, CA, (9)Center for Neurobehavioral Genetics, University of California, Los Angeles, CA, (10)Wellcome Trust Sanger Institute, Camridge, United Kingdom, (11)Yale University School of Medicine, New Haven, CT

11:00 151 109.151 Global DNA Methylation Changes in Brain Tissues From Individuals with Autism. V. W. Hu[*], Y. Hong and M. Xu, Biochemistry and Molecular Biology, The George Washington University School of Medicine and Health Sciences, Washington, D.C.

9:00 152 109.152 Concentration of Double Strand Break Specification Signatures in Autism Associated Genes. A. Omaiye[*1], N. Doan[2], T. A. Deisher[2] and S. D. Solares[3], (1)Seattle University, Seattle, WA, (2)Sound Choice Pharmaceutical Institute, Seattle, WA, (3)University of Maryland, College Park, MD

10:00 153 109.153 Alternative RNA Splicing in Autism Spectrum Disorders. B. Stamova[*1], Y. Tian[1], C. W. Nordahl[2], M. D. Shen[2], D. G. Amaral[2] and F. R. Sharp[1], (1)UC Davis, MIND Institute, Sacramento, CA, (2)Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA

11:00 ▸ 154 109.154 Case-Control Haplotype Analysis Indicates Association of TPH1 Gene with Autism Spectrum Disorders (ASD) In the Indian Population. A. S. Singh[*1], U. Rajamma[1], S. Sinha[2], A. Chatterjee[2] and S. Ghosh[3], (1)Manovikas Biomedical Research and Diagnostic Centre, Manovikas Kendra Rehabilitation and Research Institute for the Handicapped, Kolkata, India, (2)Out-Patient Department, Manovikas Kendra Rehabilitation and Research Institute for the Handicapped, Kolkata, India, (3)Human Genetics Unit, Indian Statistical Institute, Kolkata, India

9:00 155 109.155 Annexins: A Putative Role in the Etiology of ASD. I. C. Conceição[*1], C. Correia[2,3], I. Sousa[2], A. F. Sequeira[4], B. Oliveira[5], J. Coelho[5], J. Almeida[6], C. Café[6], F. Duque[6], D. Pinto[7], W. Roberts[8,9], K. Gao[10], J. K. Lowe[11,12], S. W. Scherer[13], D. H. Geschwind[12,14,15], G. Oliveira[6] and A. M. Vicente[2,3], (1)Instituto Nacional de Saúde Dr Ricardo Jorge, Lisboa, Portugal, (2)Instituto Gulbenkian de Ciência, Oeiras, Portugal, (3)Instituto Nacional de Saúde Dr. Ricardo Jorge, Lisboa, Portugal, (4)Instituto Gulbenkian de Ciência, Lisbon, Portugal, (5)Instituto Nacional de Saúde Dra Ricardo Joge, Lisbon, Portugal, (6)Hospital Pediátrico de Coimbra, Coimbra, Portugal, (7)The Centre for Applied Genomics, The Hospital for Sick Children, Toronto, ON, Canada, (8)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (9)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (10)David Geffen School of Medicine, University of California, Los Angeles, CA, (11)Neurology, University of California, Los Angeles, CA, (12)Center for Neurobehavioral Genetics, University of California, Los Angeles, CA, (13)University of Toronto, Toronto, ON, Canada, (14)University of California, Los Angeles, CA, (15)Center for Neurobehavioral Genetics, University of California, Los Angeles, CA

10:00 156 109.156 Identification of Genetic Risk Factors Involved in Autism Spectrum Disorders. C. Sin[*1,2], H. Li[1], C. Wong[1,2] and D. A. Crawford[1,2,3], (1)School of Kinesiology and Health Science, York University, Toronto, ON, Canada, (2)Neuroscience Graduate Diploma Program, York University, Toronto, ON, Canada, (3)Department of Biology, York University, Toronto, ON, Canada

11:00 157 109.157 Association of Gain of DNA Methylation At the Arylsulfatase A Gene Promoter with Autism Spectrum Disorders. D. Grafodatskaya[*1], R. Rajendram[1], Y. Lou[1], D. Butcher[1], L. Senman[2], C. Windpassinger[3], W. Roberts[2], S. W. Scherer[4] and R. Weksberg[1], (1)Genetics and Genome Biology, The Hospital for Sick Children, Toronto, ON, Canada, (2)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (3)Institute of Human Genetics, Medical University of Graz, Graz, Austria, (4)The Centre for Applied Genomics, The Hospital for Sick Children, Toronto, ON, Canada

9:00 158 109.158 Styles of Participation in the Simons Simplex Collection and Ethical Implications of Genetics Research. J. S. Singh[*], School of History, Technology and Society, Georgia Institute of Technology, Atlanta, GA

10:00 159 109.159 Relationship Between the CNTNAP2 Gene Variant and Cognitive and Behavioral Flexibility in Children with Autism Spectrum Disorders. A. C. Sharber[*1], L. Kenworthy[1], J. Strang[1], D. N. Abrams[1], J. M. Devaney[2] and B. Yerys[3], (1)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (2)Children's Research Institute, Center for Genetic Medicine Research, Children's National Medical Center, Washington, DC, (3)Center for Autism Research, The Children's Hospital of Philadelphia, Philadelphia, PA

11:00 160 109.160 Parents' Opinions about Clinical Genetic Testing in ASD. J. Parr[*1], A. Hames[1], R. Alegbo[1], A. Henderson[2], D. Garland[3], T. Finch[4] and J. McLaughlin[5], (1)Institute of Neuroscience, Newcastle University, Newcastle, United Kingdom, (2)Northern Genetics Service, Newcastle Upon Tyne NHS Foundation Trust, Newcastle, United Kingdom, (3)Newcastle Autism Resource Centre, National Autistic Society, Newcastle, United Kingdom, (4)Institute of Health and Society, Newcastle University, Newcastle, United Kingdom, (5)Policy, Ethics and Life Sciences Research Centre, Newcastle University, Newcastle, United Kingdom

9:00 161 109.161 An Item-Level Approach to Genome-Wide Association of Autism Spectrum Disorders. J. J. Connolly[*1], J. Glessner[2,3] and H. Hakonarson[1,3], (1)Children's Hospital of Philadelphia, Philadelphia, PA, (2)Children's Hospital of Philadelphia, Philadelphia, (3)University of Pennsylvania, Philadelphia, PA

10:00 162 109.162 Identification of DNA Methylation Alterations in Children with Autism Spectrum Disorders Conceived Using Assisted Reproduction. R. Rajendram[*1], D. Grafodatskaya[2], L. Senman[3], W. Roberts[3], S. W. Scherer[4] and R. Weksberg[2], (1)Toronto, ON, Canada, (2)Genetics and Genome Biology, The Hospital for Sick Children, Toronto, ON, Canada, (3)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (4)The Centre for Applied Genomics, The Hospital for Sick Children, Toronto, ON, Canada

11:00 163 109.163 Advanced Maternal Age and Autism Spectrum Disorders (ASDs): The Role of Covert Mosaicism, Uniparental Disomy, and DNA Methylation in the Etiology of ASDs. E. R. Berko[*1], F. Beren[2], M. Suzuki[3], S. Molholm[4], J. J. Foxe[4], R. W. Marion[5] and J. M. Greally[3], (1)Dept of Genetics, Albert Einstein College of Medicine, Bronx, NY, (2)Stern College for Women of Yeshiva University, New York, NY, (3)Dept of Genetics and Center for Epigenomics, Albert Einstein College of Medicine, Bronx, NY, (4)Dept of Pediatrics & Neuroscience, Albert Einstein College of Medicine, Bronx, NY, (5)Dept of Pediatrics, Albert Einstein College of Medicine, Bronx, NY

9:00 164 109.164 Autism, Obesity, and mTOR: Are There Any Connections?. Z. Talebizadeh[*] and M. Miralles, Children's Mercy Hospital and University of Missouri-Kansas City, Kansas City, MO

10:00 165 109.165 Subgroup Analyses Suggest Interplay of Rare and Common Variants In the Etiology of Autism. M. W. Marquardt[*], T. N. Takahashi and J. H. Miles, University of Missouri – Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO

11:00 166 109.166 Discovery and Analysis of New Alternatively Spliced Isoforms of Autism Candidate Genes. S. Kang[*1], X. Yang[2,3], G. N. Lin[1], R. Corominas[1], Y. Shen[2,3], S. A. Wanamaker[2,3], S. Tam[2,3], M. Rodriguez[2,3], M. Broly[2,3], J. Sebat[1], K. Salehi-Ashtiani[2,3], D. E. Hill[2,3], M. Vidal[2,3], T. Hao[2,3] and L. M. Iakoucheva[1], (1)Department of Psychiatry, University of California San Diego, La Jolla, CA, (2)Center for Cancer Systems Biology (CCSB) and Department of Cancer Biology, Dana-Farber Cancer Institute, Boston, MA, (3)Department of Genetics, Harvard Medical School, Boston, MA

9:00 167 109.167 Baseline Physiological Defensiveness: Predicting Severity of Social Responsiveness Scale Scores. T. A. Hassenfeldt[*], M. Patriquin and A. Scarpa, Department of Psychology, Virginia Tech, Blacksburg, VA

Poster Sessions
110 - Neuropathology
8:00 AM - 12:30 PM - Sheraton Hall

9:00 168 110.168 Cortical Organization in the Brains of Autistic Subjects: A Correlation Between Pyramidal Cell Size and Core Minicolumnar Width. M. F. Casanova[1], A. S. El-Baz[*2] and A. E. Switala[1], (1)Psychiatry & Behavioral Sciences, University of Louisville, Louisville, KY, (2)Bioengineering, University of Louisville, Louisville, KY

10:00 169 110.169 Alteration of Astrocyte in the Frontal Cortex of Autistic Subjects. A. M. Sheikh[*1], W. Guang[2], F. Cao[3], A. Yin[4], M. Malik[5], W. T. Brown[6] and X. Li[7], (1)NY State Institute for Basic Research in Developmental Disabilities, Newyork, NY, (2)NY State Institute for Basic Research in Developmental Disabilities, New York, NY, (3)NY State Institute for Basic Research in Developmental Disabilities, New York, NY, (4)NY State Institute for Basic Research in Developmental Disabilities, NY, NY, (5)New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (6)New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (7)New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY

11:00 170 110.170 Comprehensive Analysis of Glial Abnormalities in the Amygdala in Autism. J. T. Morgan*, D. G. Amaral and C. M. Schumann, Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA

9:00 171 110.171 Cajal-Retzius Cell Number in Layer I of the Superior Temporal Lobe Is Similar in Autistic and Control Human Brains. E. Ejaz, J. Camacho and V. Martinez Cerdeno*, Pathology and Laboratory Medicine, University of California, Davis, Sacramento, CA

10:00 172 110.172 Benzodiazepine Binding Site and GABA-B Receptor Density in the Cerebellar Cortex, Broca's, and Wernicke's Areas in Individuals with Autism. G. J. Blatt*, C. R. Clancy, S. C. Kern, A. L. Oblak and T. T. Gibbs, Boston University School of Medicine, Boston, MA

11:00 173 110.173 Morphological Analysis of Dendritic Spines on Cortical Pyramidal Cells in ASD. T. A. Avino*, C. Wojcik, A. Mann and J. J. Hutsler, Psychology, University of Nevada, Reno, NV

9:00 174 110.174 A Stereological Investigation of Regional Cerebellar Purkinje Cell Densities in Autism: Clues About Direct Gaze and Executive Function Impairments. J. Skefos*[1], T. Yuce[2], K. Enzer[2], E. Levy[2], K. Weed[2] and M. Bauman[1], (1)Anatomy & Neurobiology, Boston University School of Medicine, Boston, MA, (2)Boston University, Boston, MA

10:00 175 110.175 Evidence of Oxidative Damage and Inflammation Associated with Low Glutathione Redox Status in the Autism Brain. S. Rose*, S. Melnyk, O. Pavliv, S. Bai, T. G. Nick, R. E. Frye and S. J. James, University of Arkansas for Medical Sciences, Little Rock, AR

11:00 176 110.176 Comparative Neuropathology of Lissencephaly with ARX Mutation: Consideration of Neocortical Interneuron Distribution of Various Lissencephalies. M. Itoh*, Mental Retardation and Birth Defect Reserch, National Center of Neurology and Psychiatry, Kodaira, Japan

Poster Sessions
111 - Neurophysiology I
8:00 AM - 12:30 PM - Sheraton Hall

9:00 177 111.177 Basic Information Processing in Children with Autism Spectrum Disorders. G. F. Madsen*[1], N. Bilenberg[1] and B. Oranje[2], (1)Child and Adolescent Psychiatry, University of Southern Denmark, Odense C, Denmark, (2)Center for Neuropsychiatric Schizophrenia Research (CNSR) and Center for Clinical Intervention and Neuropsychiatric Schizophrenia Research (CINS), Psychiatric Center Glostrup, University of Copenhagen, Glostrup, Denmark

10:00 178 111.178 Sensory Change Detection and Attention in Autism: An EEG and Event-Related Brain Potential Study. M. Zinni*, D. Trauner and J. Townsend, Neurosciences, University of California, San Diego, La Jolla, CA

11:00 179 111.179 Mobile Brain-Body Imaging of ASD Participants During Natural Movement. M. Westerfield*[1], K. Vo[2], D. Lock[3], S. Wee[1], D. Sarma[3], S. Makeig[3] and J. Townsend[1], (1)Neurosciences, University of California, San Diego, La Jolla, CA, (2)Chicago Medical School, North Chicago, IL, (3)Swartz Center for Computational Neuroscience, University of California, San Diego, La Jolla, CA

9:00 180 111.180 Neuromodulation Effects on Error Monitoring and Correction Function in Autism Spectrum Disorders. E. M. Sokhadze*[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

10:00 181 111.181 Resting-State Gamma Power in Young Children with ASD Participating in a Treatment Program. K. A. McEvoy*[1,2,3], A. Norona[2] and S. S. Jeste[2], (1)Neuroscience Interdepartmental Program, UCLA, Los Angeles, CA, (2)Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA, (3)Medical Scientist Training Program, UCLA, Los Angeles, CA

11:00 182 111.182 Neural Correlates of Learning From Social Engagement in Children with ASD. L. Elder*, A. Norona, C. Shimizu and S. S. Jeste, Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA

9:00 183 111.183 Attentional Mechanisms in Autism Spectrum Disorders and Schizophrenia: An Event-Related Potential Study. C. T. W. M. Vissers*[1,2], S. Koolen[3], D. J. Chwilla[2] and J. I. M. Egger[1,2,3], (1)Centre of Excellence for Neuropsychiatry, Vincent van Gogh Institute for Psychiatry, Venray, Netherlands, (2)Donders Institute for Brain, Cognition and Behaviour, Centre for Cognition, Radboud University Nijmegen, Nijmegen, Netherlands, (3)Behavioural Science Institute, Radboud University Nijmegen, Nijmegen, Netherlands

10:00 184 111.184 Monitoring in Language Perception in High-Functioning Adults with Autism Spectrum Disorder: Evidence From Event-Related Potentials. S. Koolen*[1], C. T. W. M. Vissers[2,3], J. I. M. Egger[1,2,3] and L. Verhoeven[1], (1)Behavioural Science Institute, Radboud University, Nijmegen, Netherlands, (2)Centre of Excellence for Neuropsychiatry, Vincent van Gogh Institute for Psychiatry, Venray, Netherlands, (3)Donders Institute for Brain, Cognition and Behaviour, Centre for Cognition, Radboud University, Nijmegen, Netherlands

11:00 185 111.185 Sleep Spindles and K-Complexes: EEG Markers of Poor Sleep in Autism. S. M. Duplan[*1], M. Chicoine[2], C. Berthiaume[3], E. Chevrier[4], L. Mottron[5,6,7,8,9] and R. Godbout[4,10,11], (1)Sleep Laboratory and Clinic, Hôpital Rivière-des-Prairies, Montréal, QC, Canada, (2)Hôpital Rivière-des-Prairies, Montréal, QC, Canada, (3)Hopital Riviere-des-Prairies, Montreal, 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)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montreal, QC, Canada, (8)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montreal, QC, Canada, (9)Psychiatry, University of Montreal, Montréal, QC, Canada, (10)Psychiatry, Universite de Montreal, Montreal, QC, Canada, (11)7070 Boul. Perras, Sleep Laboratory & Clinic, Montreal, QC, Canada

9:00 186 111.186 Auditory Processing and Language Impairment in Children with ASD. S. Yau[*1], B. W. Johnson[2] and J. Brock[2], (1)Centre for Cognition and its Disorders, Macquarie Centre for Cognitive Science, Sydney, Australia, (2)Centre for Cognition and its Disorders, Macquarie University, Sydney, Australia

10:00 187 111.187 Neural Correlates of Environmental Sound and Emotional Semantic Integration in Children with Autism. J. McCleery[*1], V. Vogel-Farley[2], C. Stefanidou[3], S. Utz[3] and C. A. Nelson[4], (1)Edgbaston, University of Birmingham, Birmingham, United Kingdom, (2)Labs of Cognitive Neuroscience, Children's Hospital, Boston, MA, (3)School of Psychology, University of Birmingham, Birmingham, United Kingdom, (4)Laboratories of Cognitive Neuroscience, Children's Hospital Boston/Harvard Medical School, Boston, MA

11:00 188 111.188 ERP Phase Synchrony in Language Networks Is Highly Correlated with Language and Cognitive Abilities in Autistic and Typical Children. K. M. Martien[*1], H. Bharadwaj[2] and M. R. Herbert[3], (1)Pediatrics, Lurie Center for Autism, Massachusetts General Hospital, Lexington, MA, (2)Pediatric Neurology, Massachusetts General Hospital, Charlestown, MA, (3)Massachusetts General Hospital, Charlestown, MA

9:00 189 111.189 Short-Duration Visual Evoked Potentials (VEPs) in Children with ASD. P. M. Weinger[*1,2], J. Gordon[2], T. Navalta[2], L. V. Soorya[3] and V. Zemon[1], (1)Ferkauf Graduate School of Psychology, Yeshiva University, Bronx, NY, (2)Psychology, Hunter College, City University of New York, New York, NY, (3)Psychiatry, Mount Sinai School of Medicine, New York, NY

10:00 190 111.190 Reduced Resting Gamma Power Is Associated with Symptom Severity in Autism. M. E. Villalobos[*1], C. R. Maxwell[1], R. T. Schultz[1], B. Herpertz-Dahlmann[2], K. Konrad[3] and G. Kohls[1], (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)Child and Adsolescent Psychiatry, University Hospital Aachen, Aachen, Germany, (3)Child Neuropsychology Section, University Hospital Aachen, Aachen, Germany

11:00 191 111.191 Early Processing of Emotional Faces in Children with Autism: An Event-Related Potential Study. M. Batty[*1], E. Meaux[1] and M. J. Taylor[2], (1)Centre de PedoPsychiatrie, INSERM U930, Tours, France, (2)Department of Diagnostic Imaging, Hospital for Sick Children, Toronto, ON, Canada

9:00 192 111.192 Auditory Integration As a Neural Marker of Language Disorders in ASD. J. E. Oram Cardy[*1], R. Nicolson[2], L. M. D. Archibald[1], J. Boehm[1], H. M. Brown[3], M. E. Stothers[3], C. McCarthy[4] and E. Kwok[3], (1)Communication Sciences and Disorders, University of Western Ontario, London, ON, Canada, (2)Psychiatry, University of Western Ontario, London, ON, Canada, (3)Health and Rehabilitation Sciences, University of Western Ontario, London, ON, Canada, (4)Kinesiology, University of Western Ontario, London, ON, Canada

10:00 193 111.193 Electrophysiological Indices of Empathic Response and Their Relation to Autistic Traits. C. E. Mukerji[*1], R. Bernier[2], A. Naples[1], G. Righi[1], D. Perszyk[1], M. Coffman[1] and J. McPartland[1], (1)Yale Child Study Center, New Haven, CT, (2)University of Washington, Seattle, WA

11:00 194 111.194 Three Strategies for Prospective Mapping of Neurphysiological Measures on to Behavioural Outcomes. M. Elsabbagh[*1], E. Mercure[2], A. Pickles[3], T. Charman[4], M. H. Johnson[5] and BASIS team[6], (1)Psychiatry, McGill University, Montreal, QC, Canada, (2)Institute of Cognitive Neuroscience, University College, London, United Kingdom, (3)Institute of Psychiatry, King's College, London, United Kingdom, (4)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (5)Centre for Brain and Cognitive Development, Birkbeck, University of London, London, United Kingdom, (6)Centre for Brain and Cognitive Development, Birkbeck, London, United Kingdom

9:00 195 111.195 Brain Response to Gaze Contingent Eye-Contact in ASD. A. Naples[*], M. Coffman, C. E. Mukerji, J. Wu, L. Mayes and J. McPartland, Yale Child Study Center, New Haven, CT

10:00 196 111.196 Developmental Changes in Mu Suppression to Observed and Executed Actions in Autism Spectrum Disorders. L. M. Oberman[*1], J. McCleery[2], E. Hubbard[3], R. Bernier[4], J. R. Wiersema[5], R. Raymaekers[6] and J. A. Pineda[7], (1)Beth Israel Deaconess Medical Center, Boston, MA, (2)University of Birmingham, Birmingham, United Kingdom, (3)Vanderbilt, Nashville, TN, (4)University of Washington, Seattle, WA, (5)Department of Experimental, Clinical and Health Psychology, Ghent University, Ghent, Belgium, (6)Department of Experimental Clinical and Health Psychology, Ghent University, Ghent, Belgium, (7)University of California, San Diego, CA

Poster Sessions
112 - Neurophysiology II
8:00 AM - 12:30 PM - Sheraton Hall

9:00 197 112.197 Ambient Prism Lenses Modulate Spatial Attention in Autism: An Event-Related Potential Study. G. Sokhadze[*1], M. Kaplan[2], S. M. Edelson[3], E. M. Sokhadze[4], A. S. El-Baz[5], B. A. Dombroski[6] and M. F. Casanova[4], (1)University of Louisville, Louisville, KY, (2)Center for Visual Management, Tarrytown, NY, (3)Autism Research Institute, San Diego, CA, (4)Psychiatry & Behavioral Sciences, University of Louisville, Louisville, KY, (5)Bioengineering, University of Louisville, Louisville, KY, (6)Department of Anatomical Sciences & Neurobiology, University of Louisville, Louisville, KY

10:00 198 112.198 EEG Measures of Response to Attentional Network (ANT) Task in Autistic and Neurotypical Individuals. C. Chesnutt[1], M. Baker[*2], M. O'Boyle[3] and D. Richman[4], (1)Texas Tech University, Lubbock, TX, (2)Electrical and Computer Engineering, Texas Tech University, Lubbock, TX, (3)Human Development and Family Studies, Texas Tech University, Lubbock, TX, (4)Burkhart Center for Autism, Texas Tech University, Lubbock, TX

11:00 199 112.199 Reduced Transient and Steady-State Auditory Gamma-Band Activity in Children with Autism Spectrum Disorders and Their Unaffected Siblings. K. L. McFadden[*1], S. E. Steinmetz[1], A. S. Moiyadi[1], L. B. Wilson[1], E. Kronberg[1], S. Hepburn[1,2] and D. C. Rojas[1], (1)University of Colorado Denver, Anschutz Medical Campus, Aurora, CO, (2)University of Colorado / JFK Partners, Aurora, CO

9:00 200 112.200 Support Vector Machine (SVM) Analysis of Auditory Oddball Event-Related Potentials (ERP) Classifies Toddlers with and without Early Signs of Autism. A. E. Lane[*1], J. Eldridge[1], K. Harpster[2], S. J. Dennis[1], T. Shahin[1] and M. Belkin[1], (1)The Ohio State University, Columbus, OH, (2)Cincinnati Children's Hospital Medical Center, Cincinnati, OH

10:00 201 112.201 The High Frequency Brain Response to Illusory Contour in Boys with Autism: The Missing Processing Stage?. T. A. Stroganova[*1], E. V. Orekhova[2], M. M. Tsetlin[1,3] and A. A. Morozov[4], (1)MEG Center, Moscow State University of Psychology and Education, Moscow, Russia, (2)Neuroscience, Sahlgrenska University Hospital, Gothenburg, Sweden, (3)Laboratory of Developmental Psychogenetics, Psychological Institute of Russian Academy of Education, Moscow, Russia, (4)Lab 144, Institute of Radio Engineering and Electronics, Moscow, Russia

11:00 202 112.202 Genotype Phenotype Interactions of Epilepsy in Children and Adolescents with Autism Spectrum Disorders. M. Byrd[1], O. J. Veatch[2], J. Paolicchi[3], J. L. Haines[2] and G. Barnes[*1], (1)Neurology, Vanderbilt, Nashville, TN, (2)Center for Human Genetics, Vanderbilt University, Nashville, TN, (3)Neurology, Vanderbilt University Medical Center, Nashville, TN

9:00 203 112.203 Autonomic Responses to Social and Non-Social Reward Among Children with Autism. E. E. Neuhaus[*1], T. P. Beauchaine[2] and R. Bernier[1], (1)University of Washington, Seattle, WA, (2)Washington State University, Pullman, WA

10:00 204 112.204 Regulation of Heart Rate in Adolescence: Relations to Social Anxiety and Intervention Effects. K. Schohl[*1], B. Dolan[1], J. S. Karst[2], A. Meyer[2], S. Stevens[1], N. Fritz[1], C. Gasaway[1], S. Brockman[1], G. McDonald[1], R. Remmel[1] and A. V. Van Hecke[3], (1)Marquette University, Milwaukee, WI, (2)Marquette University, Milwaukee, WI, (3)Psychology, Marquette University, Milwaukee, WI

11:00 205 112.205 Emotional Conflict Adaptation in Autism. S. E. White[*1], W. Ernst[2], W. A. Worsham[3] and M. South[2,3], (1)Neuroscience, Brigham Young University, Provo, UT, (2)Neuroscience, Brigham Young University, Provo, UT, (3)Psychology, Brigham Young University, Provo, UT

9:00 206 112.206 The Long and Short of It: Serotonin Transporter Allele Variants and Emotion Processing in Adults with Autism Spectrum Disorders. S. Faja[*1], S. J. Webb[2,3], E. M. Wijsman[4], E. H. Aylward[5] and G. Dawson[6], (1)Box 357920, University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA, (3)Seattle Children's Research Institute, Seattle, WA, (4)University of Washington, Seattle, WA, (5)Seattle Children's Research Institute, Seattle, WA, (6)University of North Carolina, Autism Speaks, Chapel Hill, NC

10:00 207 112.207 Dissociation in Autism Between Reading Gaze Direction Versus Mental States From the Eyes. C. Ashwin[*1,2], A. J. Calder[3] and S. Baron-Cohen[4], (1)Psychiatry, University of Cambridge, Cambridge, United Kingdom, (2)Psychology, University of Bath, Bath, United Kingdom, (3)MRC Cognition and Brain Sciences Unit, Cambridge, United Kingdom, (4)Autism Research Centre, Department of Psychiatry, University of Cambridge, Cambridge, United Kingdom

11:00 208 112.208 Impaired Classical Conditioning in Persons with Autism Spectrum Disorder. P. S. Powell[*1], M. E. Crisler[1], L. G. Klinger[1,2], B. G. Travers[1,3] and M. R. Klinger[1,4], (1)University of Alabama, Tuscaloosa, AL, (2)TEACCH, University of North Carolina School of Medicine, Chapel Hill, NC, (3)Waisman Center, University of Wisconsin-Madison, Madison, WI, (4)Allied Health, University of North Carolina School of Medicine, Chapel Hill, NC

9:00 209 112.209 Neural Mechanisms of Social and Non-Social Reward and Their Relation to Autistic Traits. A. Cox[*], A. Naples, H. Rutherford, M. Coffman, C. E. Mukerji, L. Mayes and J. McPartland, Yale Child Study Center, New Haven, CT

10:00 210 112.210 Repetitive Transcranial Magnetic Stimulation (rTMS) Modulates Event-Related Potential Indices of Attention in Autism. M. F. Casanova[*1], J. M. Baruth[2], L. L. Sears[3], A. S. El-Baz[4] and E. M. Sokhadze[5], (1)University of Louisville, Louisville, KY, (2)Anatomical Sciences & Neurobiology, University of Louisville, Louisville, KY, (3)Pediatrics, University of Louisville, Louisville, KY, (4)Bioengineering, University of Louisville, Louisville, KY, (5)Psychiatry & Behavioral Sciences, University of Louisville, Louisville, KY

11:00 211 112.211 Functional Rehabilitation of Social Communication in Young Children with Autism: Clinical and Neurobiological Correlates. E. Meaux[*1], R. Blanc[1], J. Malvy[1], C. Barthelemy[2], J. Martineau[3] and M. Batty[1], (1)Centre de PedoPsychiatrie, Tours, France, (2)Centre de PedoPsychiatrie, Tours, France, (3)Tours, France

9:00 212 112.212 Low Iron Status and Sleep Disturbance in Children with Autism. R. Lane[*1], A. W. Buckley[2], B. Felt[3], C. Farmer[2], A. Thurm[2] and S. Swedo[2], (1)University of Michigan Medical School, Ann Arbor, MI, (2)Pediatrics & Developmental Neuroscience Branch, National Institute of Mental Health, Bethesda, MD, (3)Pediatrics and Communicable Diseases, University of Michigan Medical School, Ann Arbor, MI

10:00 213 112.213 Sources of Variable Functionality of the Execution/Observation Matching System in ASD. R. Bernier[*1], B. Aaronson[2] and J. McPartland[3], (1)University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA, (3)Yale Child Study Center, New Haven, CT

11:00 214 112.214 ERP Response to Affective Pictures in Children and Adolescents with Autism Spectrum Disorders. W. A. Worsham[*], M. South, P. E. Clayson and M. J. Larson, Psychology, Brigham Young University, Provo, UT

9:00 215 112.215 An Investigation Into the Role of the Mirror Neuron System in Facial Emotion Processing in High Functioning Autism Utilizing Transcranial Magnetic Stimulation. K. Young[*1], T. J. Perkins[2], D. Kidgell[3], J. A. McGillivray[2] and M. A. Stokes[4], (1)School of Psychology, Deakin University, Melbourne, Australia, (2)Psychology, Deakin University, Burwood, Australia, (3)School of Exercise and Nutrition Science, Faculty of Health, Deakin University, Burwood, Australia, (4)School of Psychology, Deakin University, Burwood, Australia

10:00 216 112.216 Animacy and Intentionality in the Mirror Neuron System in the Broader Autism Phenotype. G. P. Moseley[*1], A. Naples[2], R. Bernier[3], C. E. Mukerji[2], M. Coffman[2], G. Righi[2] and J. McPartland[2], (1)Psychology, Yale University, New Haven, CT, (2)Yale Child Study Center, New Haven, CT, (3)University of Washington, Seattle, WA

2:00-4:00P	**IES** – Grand Ballroom Centre Communicating Autism Science			1:00-5:30P **Poster Session** – Sheraton Hall Clinical Phenotype Genetic, Prenatal & Biological Risk Factors Impact of Families & Quality of Life Schools, Employment & Community Screening, Incidence, Prevalence & Study Methods Social Risk Factors & Influences on Phenotype Use, Access & Evaluation of Services
2:00-4:00P	**Oral Session** – Grand Ballroom East Large, Controlled Trials	**Oral Session** – Grand Ballroom West Cognition & Behavior: Across the Lifespan	**Oral Session** – Osgoode Ballroom East Clinical Phenotype: Influences	
4:00-4:30P	Break – Sheraton Hall			
4:30-6:00P	**INSAR Awards Ceremony** – Grand Ballroom Centre Lifetime Achievement Award – Susan Folstein, M.D. Advocate Award – Temple Grandin, Ph.D. (pre-recorded message) Slifka/Ritvo Innovation in Autism Research Awards (to be announced)			
6:00-8:00P	**Reception** Dominion Ballroom			

Invited Educational Symposium
113 - Communicating Autism Science
2:00 PM - 4:00 PM - Grand Ballroom Centre

Session Chair: A. Singer; *Autism Science Foundation*

Dissemination of autism research no longer ends with publication in a peer-reviewed journal. Media interest in autism science has grown steadily over the past few years and most scientists can now expect to hear from press after publishing research findings. Press and other stakeholders, many of whom write blogs, have also become regular attendees at scientific meetings and conferences. This symposium will teach attendees the best ways to interact with the press and other stakeholders, while still maintaining a commitment to scientific principles and integrity. Attendees will gain specific skills in creating a communications plan around their research, will learn how to work with their university press office, will get actionable tips from media regarding what makes a great interview, and will learn specific techniques for handling challenging questions and presenting potentially controversial findings.

2:00 113.001 Media Training 101:. J. E. Rubinstein*, Rubenstein Associates, New York, NY

2:30 113.002 Working with the Press

3:00 113.003 Communicating Directly with Families and Other Stakeholders. D. Marnane*, Autism Speaks, New York, NY

3:30 113.004 Working with Your Press Office. E. B. Welker*, Kennedy Krieger Institute, Baltimore, MD

Oral Sessions
114 - Large, Controlled Trials
2:00 PM - 4:00 PM - Grand Ballroom East

2:00 114.001 Treating Anxiety Disorders in Children with High Functioning Autism Spectrum Disorder: A Controlled Trial. A. M. Chalfant[*1], R. Rapee[2], L. Carroll[3] and H. Lyneham[2], (1)Annie's Centre, Randwick, Australia, (2)Psychology, Macquarie University, Sydney Australia, North Ryde, Australia, (3)Children's Hospital Westmead, Westmead, Australia

2:15 114.002 Omega-3 Fatty Acid Supplementation in Children with Autism. L. A. Carpenter[*1], S. L. Logan[2], L. B. King[1], J. Charles[1], L. DeVane[3], I. Singh[1], W. Jenner[1], C. A. Cheely[1] and J. S. Nicholas[2], (1)Pediatrics, Medical University of South Carolina, Charleston, SC, (2)Medicine, Medical University of South Carolina, Charleston, SC, (3)Psychiatry, Medical University of South Carolina, Charleston, SC

2:30 114.003 Family Cognitive Behavioral Therapy for Anxiety in Autism Spectrum Disorders. J. J. Wood[*1], E. A. Storch[2] and J. M. Ehrenreich[3], (1)University of California, Los Angeles, Los Angeles, CA, (2)Departments of Pediatrics and Psychiatry, University of South Florida, St. Petersburg, FL, (3)Psychology, University of Miami, Miami, FL

WITHDRAWN

2:45 114.004 Treatment As Usual and Peer Engagement in Teens with High Functioning Autism. F. Orlich[*1], R. Montague[2], R. Bernier[3], R. Oti[4], C. Kasari[5], C. E. Lord[6] and B. King[7], (1)PO Box 5371, University of Washington and Seattle Children's, Seattle, WA, (2)Seattle Children's, Seattle, WA, (3)University of Washington, Seattle, WA, (4)Child Psychiatry, Seattle Children's Hospital and Research Institute, Seattle, WA, (5)University of California, Los Angeles, CA, (6)Institute for Brain Development, Weill Cornell Medical College, White Plains, NY, (7)University of Washington and Seattle Children's Hospital, Seattle, WA

3:00 114.005 Efficacy of the LEAP and TEACCH Comprehensive Treatment Models for Preschoolers with ASD. B. Boyd[*1], K. Hume[2], M. Alessandri[3], A. Gutierrez[3], L. D. Johnson[4], L. A. Sperry[5] and S. L. Odom[6], (1)Occupational Science, University of North Carolina, Chapel Hill, NC, (2)Frank Porter Graham Child Development Institute, University of North Carolina, Chapel Hill, NC, (3)Psychology, University of Miami, Coral Gables, FL, (4)Educational Psychology, University of Minnesota, Minneapolis, MN, (5)Arts, Education and Law, Griffith University, Brisbane, Australia, (6)University of North Carolina, Chapel Hill, NC

3:15 114.006 Effectiveness of a Province-Wide Early Intervention Program for Preschoolers with ASD. I. M. Smith[*1], H. E. Flanagan[2], K. Fossum[3], T. Vaillancourt[4] and S. E. Bryson[5], (1)NS, Canada, (2)IWK Health Centre, Halifax, NS, Canada, (3)Dalhousie University, Halifax, NS, Canada, (4)University of Ottawa, Ottawa, ON, Canada, (5)Dalhousie University/IWK Health Centre, Halifax, NS, Canada

3:30 114.007 A Randomized Controlled Trial of Preschool-Based Joint Attention Intervention for Children with Autism. A. Kaale[*1], L. Smith[2] and E. Sponheim[1], (1)Oslo University Hospital, Oslo, Norway, (2)Centre for Child and Adolescent Mental Health, Oslo, Norway

3:45 114.008 Sapropterin As a Treatment for Autistic Disorder: Results of A Randomized, Double-Blind, Placebo-Controlled Trial and An Open Label Extension. C. Klaiman[*1], L. Masaki[2], G. R. Elliott[2] and L. Huffman[3,4], (1)Department of Pediatrics, Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA, (2)Children's Health Council, Palo Alto, CA, (3)Pediatrics, Stanford University School of Medicine, Palo Alto, CA, (4)Evaluation and Quality Improvement, Children's Health Council, Palo Alto, CA

Oral Sessions
115 - Cognition & Behavior: Across the Lifespan
2:00 PM - 4:00 PM - Grand Ballroom West

2:00 115.001 Do Alterations in Low-Level Visual and Auditory Processing Co-Occur in Autistic Individuals?. A. A. Simard-Meilleur[*1], A. Bertone[1,2,3] and L. Mottron, M.D.[1], (1)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montreal, QC, Canada, (2)Perceptual Neuroscience Laboratory for Autism and Development (PNLab), Montreal, QC, Canada, (3)School/Applied Psychology, Dept of Educational and Counselling Psychology, McGill University, Montreal, QC, Canada

2:15 115.002 Rates of Audiovisual Speech Integration Covary with Low-Level Multisensory Temporal Processing in ASD Individuals. M. T. Wallace[*1], J. K. Siemann[2], B. C. Schneider[2], H. E. Eberly[2], T. G. Woynaroski[1], J. H. Foss-Feig[3], S. M. Camarata[1] and R. A. Stevenson[1], (1)Hearing and Speech Sciences, Vanderbilt University Medical Center, Nashville, TN, (2)Vanderbilt University, Nashville, TN, (3)Vanderbilt University, Nashville, TN

2:30 115.003 Postural Stability and Symmetry in Persons with Autism Spectrum Disorder: Relation Between Symptom Severity and Wii Balance Board Performance. B. G. Travers[*1,2], P. S. Powell[1], L. G. Klinger[1,3] and M. R. Klinger[1,3], (1)University of Alabama, Tuscaloosa, AL, (2)Waisman Center, University of Wisconsin-Madison, Madison, WI, (3)TEACCH, University of North Carolina School of Medicine, Chapel Hill, NC

2:45 115.004 Specificity of Action Model Formation Deficits in Autism and Their Relationship to Social and Motor Impairments. S. H. Mostofsky[*], Kennedy Krieger Institute, Baltimore, MD; Johns Hopkins School of Medicine, Baltimore, MD

3:00 115.005 Motor Resonance in Adolescents and Adults with Autism Spectrum Disorder. M. R. Klinger[*1], B. G. Travers[2], P. S. Powell[3] and L. G. Klinger[4], (1)Allied Health, University of North Carolina School of Medicine, Chapel Hill, NC, (2)Waisman Center, University of Wisconsin-Madison, Madison, WI, (3)University of Alabama, Tuscaloosa, AL, (4)TEACCH, University of North Carolina School of Medicine, Chapel Hill, NC

3:15 115.006 Objective Measures of Imitation and Movement End-Point Re-Enactment in Autism. H. J. Stewart[*1], R. D. McIntosh[1] and J. H. G. Williams[2], (1)University of Edinburgh, Edinburgh, United Kingdom, (2)Mental Health, University of Aberdeen, Aberdeen, United Kingdom

3:30 115.007 Atypical Updating of Face Representations with Experience in Children with Autism. L. Ewing[*1], E. Pellicano[1,2] and G. Rhodes[1], (1)School of Psychology, University of Western Australia, Perth, Australia, (2)Centre for Research in Autism & Education, Institute of Education, London, United Kingdom

3:45 115.008 Theory of Mind in Children with Autism Spectrum Disorder: A "Non-Verbal" Test Highlights the Importance of Language. L. Lo[*1], [illegible] Harrison-Morris[2], N. J. Sasson[3] and R. T. Schultz[1,4], (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)University of Pennsylvania, Philadelphia, PA, (3)University of Texas at Dallas, Richardson, TX, (4)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA

WITHDRAWN

Oral Sessions
116 - Clinical Phenotype: Influences
2:00 PM - 4:00 PM - Osgoode Ballroom East

2:00 116.001 Assessment of Symptom Severity in Siblings with Autism Spectrum Disorder: Comparing Parental Report Versus Direct Observation Methods Using Multilevel Modeling. E. Duku[*], S. Georgiades, P. Szatmari, J. Cairney and K. Georgiades, Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada

2:15 116.002 Comparing Autism Screeners and Physician Surveillance Techniques At 18- and 24-Month Well Child Visits. K. C. Greer[*1], A. B. Barber[2], A. Evans[1], J. M. Pierucci[2], K. M. Dickey[2], M. R. Klinger[3] and L. G. Klinger[4], (1)University of Alabama School of Medicine, Tuscaloosa, AL, (2)University of Alabama - ASD Clinic, Tuscaloosa, AL, (3)Allied Health, University of North Carolina School of Medicine, Chapel Hill, NC, (4)TEACCH, University of North Carolina School of Medicine, Chapel Hill, NC

2:30 116.003 Do Developmental Profiles of Toddlers with ASD Differ Based on Sibling Status Vs. Clinical Referral?. C. A. Saulnier[*1], K. Chawarska[2] and A. Klin[3], (1)Marcus Autism Center, Children's Healthcare of Atlanta & Emory University School of Medicine, Atlanta, GA, (2)Child Study Center, Yale University School of Medicine, New Haven, CT, (3)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA

2:45 116.004 Social Economic Status and the M-CHAT: Unreliable Results for Mothers with Low Education Level. A. Scarpa[*1], N. M. Reyes[2], M. Patriquin[3], J. Lorenzi[4], T. A. Hassenfeldt[1], V. Desai[5] and K. Kerkering[5], (1)Department of Psychology, Virginia Tech, Blacksburg, VA, (2)Psychology, Virginia Tech, Blacksburg, VA, (3)Virginia Tech, Blacksburg, VA, (4)Psychology, Virginia Tech, Blacksburg, VA, (5)Carilion Clinic, Roanoke, VA

3:00 116.005 Identifying Subgroups within PDD-NOS. L. A. Brennan[*1], D. A. Fein[2] and M. Barton[2], (1)Psychology, University of Connecticut, Storrs, CT, (2)University of Connecticut, Storrs, CT

3:15 116.006 Examining Sex Differences in Item Endorsement on the Modified Checklist for Autism in Toddlers (M-CHAT). 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

3:30 116.007 Using the DISCO to Understand Associated Symptoms and Associated Developmental Conditions. S. R. Leekam[*1], J. Turk[2] and I. A. van Berckelaer-Onnes[3], (1)Park Place, Cardiff University, Cardiff, Wales, (2)Sunshine House, London, England, (3)Clinical Child and Adolescent Studies, Leiden University, Leiden, Netherlands

3:45 116.008 Simons Variation in Individuals Project: Characterizing the Phenotype of 16p11.2 Deletion Syndrome. E. Hanson[*1,2], R. P. Goin-Kochel[3], J. A. Burko[2], B. M. Cerban[2], W. Chung[4], S. M. Kanne[3], A. Laakman[3], A. Lian Cavanagh[2], R. McNally Keehn[1,2], F. K. Miller[5], J. E. Olson[2], A. V. Snow[1,2], L. Green Snyder[2], J. E. Spiro[6], A. D. Stevens[7], N. Visyak[2], J. Tjernagel[6], J. R. Wenegrat[7] and R. Bernier[7], (1)Harvard Medical School, Boston, MA, (2)Children's Hospital Boston, Boston, MA, (3)Baylor College of Medicine, Houston, TX, (4)Columbia University, New York, NY, (5)University of Michigan, Ann Arbor, MI, (6)Simons Foundation, New York, NY, (7)University of Washington, Seattle, WA

Poster Sessions
117 - Clinical Phenotype
1:00 PM - 5:30 PM - Sheraton Hall

1:00 1 117.001 Television and Video Game Use Among Children with ASD Compared to Typically Developing Siblings. M. O. Mazurek[*1], K. Sohl[2] and C. Wenstrup[2], (1)Health Psychology, University of Missouri, Columbia, MO, (2)Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO

2:00 2 117.002 A Comparative Analysis of Three Autism Spectrum Disorder Screening Measures in a Clinical Population. C. Corsello[*1], T. E. Gadomski[2], J. A. Estabillo[2], N. Akshoomoff[3] and J. Sebat[4], (1)Rady Children's Hospital, San Diego, CA, (2)Psychiatry, University of California, San Diego, La Jolla, CA, (3)Department of Psychiatry, University of California, San Diego, La Jolla, CA, (4)Department of Psychiatry, University of California, San Diego, La Jolla, CA

3:00 3 117.003 A New Scoring Algorithm of Autism Diagnostic Interview-Revised (ADI-R) Using Signal Detection Theory Based Analysis. S. H. Kim[*1], J. Zhang[1] and C. E. Lord[2], (1)University of Michigan, Ann Arbor, MI, (2)Weill Cornell Medical College, White Plains, NY

1:00 4 117.004 A Preliminary Analysis of Multi-Level ASD Screening: M-CHAT-R & STAT. M. Khowaja[*1], D. L. Robins[2] and L. B. Adamson[3], (1)Georgia State University, Atlanta, GA, (2)Georgia State University, Atlanta, GA, (3)Psychology, Georgia State University, Atlanta, GA

2:00 5 117.005 ADOS Module 4: Increases in Sensitivity and Comparability to Other Modules Using a Revised Diagnostic Algorithm. V. Hus[*1] and C. E. Lord[2], (1)University of Michigan, Ann Arbor, MI, (2)Weill Cornell Medical College, White Plains, NY

3:00 ▸ 6 117.006 Ascertainment of Quantitative Autistic Traits in a National Survey Involving 22,529 Japanese Schoolchildren. Y. Kamio[*1], N. Inada[1], A. Moriwaki[1], M. Kuroda[2] and J. N. Constantino[3], (1)National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan, (2)Shukutoku University, Chiba, Japan, (3)Washington University School of Medicine, Saint Louis, MO

1:00 7 117.007 Characteristics of Children Misidentified by the SCQ in a Clinic-Referred Sample. A. N. Esler[*1] and J. E. Choi[2], (1)Pediatrics, University of Minnesota, Minneapolis, MN, (2)Department of Child and Adolescent Psychiatry, University of California, San Francisco, CA

2:00 8 117.008 Comparisons Between the DISCO and the ADI-R and the ADOS. I. Noens[*1] and G. Nygren[2], (1)K.U. Leuven, Parenting and Special Education Research Unit, Leuven Autism Research, Leuven, Belgium, (2)Department of Neuroscience and Physiology, Child and Adolescent Psychiatry, Sahlgrenska University Hospital, Gothenburg, Sweden

3:00 9 117.009 Cross-Informant Reliability & Validity of Autism Screening Using the First Year Inventory in Israel. A. Ben-Sasson[*1], S. Meyer[1,2] and H. Amit Ben-Simhon[1,3], (1)University of Haifa, Haifa, Israel, (2)Child Development Center at Maccabi Hod Hasharon, Kfar Saba, Israel, (3)Child Development Center Maccabi Haifa, Haifa, Israel

1:00 10 117.010 Early Autism Screening and Identification (EASI) Clinic: A Nurse Practitioner and Physician Clinic Model. M. T. Ott[*1], J. Plumb[2], S. Vogel[3], R. Eikov[1], M. McCullough[1], C. Colameco[4] and S. E. Levy[5], (1)Child Development, Children's Hospital of Philadelphia, Philadelphia, PA, (2)Child Development, Children's Hospital of Philadelphia, Philadelphia, PA, (3)Communication Disorders, Children's Hospital of Philadelphia, Philadelphia, PA, (4)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (5)Children's Hospital of Philadelphia/University of Pennsylvania, Philadelphia, PA

2:00 11 117.011 NDAR, a Resource to Help Define and Improve Phenotype and Sub-Phenotype Definition in Autism Research. S. I. Novikova[*1], S. H. Kim[2], A. Thurm[3], B. Koser[1], M. Martin[1], C. Shugars[1], D. Hall[4] and G. F. Farber[5], (1)National Institute of Mental Health, Rockville, MD, (2)University of Michigan Autism and Communication Disorders Center, Ann Arbor, MI, (3)National Institutes of Health - National Institute of Mental Health, Bethesda, MD, (4)National Institute of Mental Health (NIMH), Rockville, MD, (5)Office of Technology Development and Coordination, National Institute of Mental Health, Rockville, MD

3:00 12 117.012 Psychometric Analysis of the RAADS Screen Scale for Adult ASD. J. Eriksson[*] and S. Bejerot, Clinical Neuroscience, Karolinska Institutet, Stockholm, Sweden

1:00 13 117.013 Screening Measures and Diagnostic Outcomes in Young Children Evaluated for An Autism Spectrum Disorder. K. Guest[*1], S. E. O'Kelley[2] and F. J. Biasini[1], (1)Psychology, University of Alabama at Birmingham, Birmingham, AL, (2)UAB Civitan-Sparks Clinics, Birmingham, AL

2:00 14 117.014 Simons Simplex Collection: ADOS and ADI-R Training and Reliability Maintenance in Multi-Site Phenotyping Research. J. E. Olson[*1,2], L. Green-Synder[1,2], E. Brooks[1,3], A. N. Esler[4], K. Gotham[1], F. K. Miller[2,5], S. Risi[1], J. Tjernagel[1,3], L. C. White[1,3] and C. E. Lord[1,6], (1)University of Michigan Autism & Communication Disorders Center, Ann Arbor, MI, (2)Children's Hospital Boston/Harvard Medical Center, Boston, MA, (3)Simons Foundation, New York, NY, (4)Pediatric Clinical Neuroscience, University of Minnesota, Minneapolis, MN, (5)University of Michigan, Ann Arbor, MI, (6)Institute for Brain Development, Weill Cornell Medical College, White Plains, NY

3:00 15 117.015 The First Year Inventory: Comparing Parent Report and Clinical Observation in High and Low-Risk for ASD Infants At 12 Months. G. M. Chen[*1], J. P. Rowberry[2], S. Macari[1], D. Campbell[1] and K. Chawarska[1], (1)Child Study Center, Yale University School of Medicine, New Haven, CT, (2)Pediatrics, Yale University School of Medicine, New Haven, CT

1:00 16 117.016 The Influence of Examiner and Observer Level of Experience on the Inter-Rater Reliability of ADOS Item and Algorithm Scores and Diagnostic Outcomes. G. Pasco[*1], K. Hudry[2], S. Chandler[1], T. Charman[1] and & the BASIS Team[3], (1)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (2)La Trobe University, Bundoora, VIC, Australia, (3)British Autism Study of Infant Siblings, London, United Kingdom

2:00 17 117.017 The Modified Checklist for Autism in Toddlers: A Follow up Study Investigating the Early Detection of Autism Spectrum Disorders in a Low Risk Sample. C. Chlebowski[*1], D. L. Robins[2], M. Barton[1] and D. A. Fein[1], (1)University of Connecticut, Storrs, CT, (2)Georgia State University, Atlanta, GA

3:00 18 117.018 Understanding the Diagnostic Process of Autism Spectrum Disorders: What Methods Are Used and Who Is Making Diagnoses?. S. M. Brown[*1], C. A. McMorris[1], J. H. Schroeder[1], J. M. Bebko[1] and J. J. A. Holden[2], (1)Department of Psychology, York University, Toronto, ON, Canada, (2)Psychiatry & Physiology, Queen's University, Kingston, ON, Canada

1:00 19 117.019 Validity of the Social Responsiveness Scale to Differentiate HF-ASD From ODD/CD. H. Musch[*1] and C. M. Freitag[2], (1)Department of Child and Adolescent Psychiatry, Psychosomatics, and Psychotherapy, JW Goethe University, Frankfurt Main, Germany, (2)Department of Child and Adolescent Psychiatry, Psychosomatics, and Psychotherapy, JW Goethe University, Frankfurt am Main, Germany

2:00 20 117.020 Diagnostic Stability of Autism Spectrum Disorders Among Children and Siblings of Children with An Autism Spectrum Disorder Diagnosis. A. J. Hinnebusch[*1], K. Carr[2] and D. A. Fein[3], (1)Clinical Psychology, The University Of Connecticut, Manchester, CT, (2)University of Connecticut, Storrs, CT, (3)Department of Psychology, University of Connecticut, Storrs, CT

3:00 21 117.021 Syndrome Specific and Non-Syndrome Specific Predictors of Developmental Change in Higher Functioning Children with Autism. K. E. Ono[*1], H. A. Henderson[2], C. Hileman[3] and P. C. Mundy[3], (1)University of Miami, Psychology, Miami, FL, (2)University of Miami, Coral Gables, FL, (3)MIND Institute, UC Davis, Sacramento, CA

1:00 22 117.022 Prospective Case Study of Siblings of Children with Autism Spectrum Disorders in Japan. F. Someki[*1], T. Miyachi[2], K. J. Tsuchiya[1], K. Matsumoto[1], Y. Seno[3], S. Nakajima[1] and M. Tsujii[4], (1)Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (2)Nagoya City University Hospital, Nagoya, Japan, (3)Department of Educational and Developmental Science, Aichi Prefectural University, Nagakute, Japan, (4)Department of Contemporary Sociology, Chukyo University, Nagoya, Japan

2:00 23 117.023 Gender Differences in Pragmatic Language Features Associated with the Broad Autism Phenotype Among Parents of Children with Autism. J. Klusek[*1] and M. Losh[2], (1)Speech and Hearing Sciences, University of North Carolina, Chapel Hill, NC, (2)The Roxelyn and Richard Pepper Department of Communication Sciences and Disorders, Northwestern University, Evanston, IL

3:00 24 117.024 Specific Phenotypes in Autism Spectrum Disorders Are More Prevalent in Affected Females. E. Ben Itzchak[*1], S. Ben-Shachar[2] and D. A. Zachor[3], (1)Communication Disorders, Ariel University Center of Samaria, Ariel, Israel, (2)The Genetic Institute, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel, (3)Tel Aviv University / Assaf Harofeh Medical Center, Zerifin, Israel

1:00 25 117.025 Autism Spectrum Disorder: A Gender Defiant Disorder. S. Bejerot[*1], J. M. Eriksson[2], M. B. Humble[3] and E. Eriksson[4], (1)Clinical Neuroscience, Karolinska Institutet, Stockholm, Sweden, (2)Karolinska Institutet, Stockholm, Sweden, (3)Clinical Neuroscience, Uppsala University Hospital, Uppsala, Sweden, (4)Department of Pharmacology, Institute of Neuroscience and Physiology, Göteborg, Sweden

2:00 26 117.026 Gender Differences in Clinical Presentation of Autism Spectrum Disorders. Y. J. Howe[*1], Y. E. Yatchmink[1] and E. M. Morrow[2], (1)Division of Developmental Behavioral Pediatrics, Hasbro Children's Hospital, Brown Alpert Medical School, Providence, RI, (2)Molecular Biology, Cell Biology, & Biochemistry and Psychiatry & Human Behavior, Brown University, Providence, RI

3:00 27 117.027 Gender Differences in Emotional and Behavioral Characteristics of Children with ASD. W. T. Brooks[*1] and E. M. Butter[2], (1)1581 Dodd Dr., The Ohio State University Nisonger Center, Columbus, OH, (2)Nationwide Children's Hospital, Westerville, OH

1:00 ▸ 28 117.028 Disparity in Report of Autism-Related Behaviors by Child Sex and SES: Findings From a Population-Based Study in Taiwan. P. C. Tsai[*1], L. C. Lee[1], I. T. Li[2], R. A. Harrington[1], P. Yang[3], C. L. Chang[4] and F. W. Lung[5], (1)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (2)Calo Hospital, Pingtung, Taiwan, (3)Psychiatry, Kaohsiung Medical University, Kaohsiung, Taiwan, (4)Psychiatry, Kaohsiung Armed Forces General Hospital, Kaohsiung, Taiwan, (5)Taipei City Psychiatric Center, Taipei City Hospital, Taipei, Taiwan

2:00 29 117.029 Evaluating Interactions Between Autism Severity and Typically Developing Adolescent Siblings' Resources and Coherence Levels. L. O. Smith[*1] and J. H. Elder[2], (1)University of Florida, Palm Harbor, FL, (2)College of Nursing, University of Florida, Gainesville, FL

3:00 30 117.030 Correspondance Between Maternal Concerns and Concurrent Infant Behavior in 12-Month-Old Infants At Risk for Autism. M. R. Thompson[*1], H. Tager-Flusberg[1] and C. A. Nelson[2], (1)Department of Psychology, Boston University, Boston, MA, (2)Laboratories of Cognitive Neuroscience, Harvard Medical School/ Children's Hospital, Boston, MA

1:00 31 117.031 The Early Developmental Trajectory of Initiating Joint Attention, but Not Expressive Vocabulary, Predicts Later ASD Severity in ASD-Sibs. L. V. Ibanez[*1], D. S. Messinger[2], Z. Warren[3] and W. L. Stone[4], (1)Psychology/ CHDD, University of Washington, Seattle, WA, (2)Psychology, University of Miami, Coral Gables, FL, (3)Vanderbilt University, Nashville, TN, (4)University of Washington, Seattle, WA

2:00 32 117.032 Cognitive Profiles of Siblings of Individuals with ASD. J. M. Wolf[*], P. Ventola and K. A. Pelphrey, Child Study Center, Yale University, New Haven, CT

3:00 ▸ 33 117.033 Excess of Non-Verbal Cases of Autism Spectrum Disorders (ASDs) Presenting to Orthodox Clinical Practice in Africa: A Trend Possibly Resulting From Late Diagnosis and Intervention. M. O. Bakare[*], Upper Chime, New Haven, Federal Neuro-Psychiatric Hospital, Upper Chime, New Haven, Enugu, Enugu State, Nigeria, Enugu, Nigeria

1:00 34 117.034 Predicting Externalizing Behavior in Children with An Autism Spectrum Disorder Using the Child Routines Questionnaire. M. Pennick[*1], L. Greening[2], F. J. Biasini[1] and L. Stoppelbein[1], (1)Psychology, University of Alabama at Birmingham, Birmingham, AL, (2)Psychiatry, University of Mississippi Medical Center, Jackson, MS

2:00 35 117.035 Restricted, Repetitive Behavior: A Comparison of Children with Autism Spectrum Disorder, Obsessive-Compulsive Disorder, Down Syndrome and Two Typical Control Groups. D. W. Evans[*1], L. Scahill[2], P. T. Orr[3], S. M. Myers[4], T. Challman[4], G. S. Gerhard[3], S. Lazar[1], A. Morena De Luca[3] and D. H. Ledbetter[3], (1)Bucknell University, Lewisburg, PA, (2)School of Medicine, Yale University, New Haven, CT, (3)Genomic Medicine, Geisinger Health System, Danville, PA, (4)Neurodevelopmental Pediatrics, Geisinger Health System, Danville, PA

3:00 36 117.036 Idiosyncratic Use of Language and Unusual References in Narratives of Optimal Outcome Children with a History of Autism Spectrum Disorders. J. Suh[*1], I. M. Eigsti[1], M. Barton[1], L. Naigles[1], S. Strazza[1], A. Orinstein[1], E. Troyb[1], K. E. Tyson[1], M. Helt[1], M. A. Rosenthal[1], R. T. Schultz[2], M. C. Stevens[3], E. A. Kelley[4] and D. A. Fein[1], (1)University of Connecticut, Storrs, CT, (2)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (3)The Institute of Living, Hartford Hospital/Yale University, Hartford, CT, (4)Department of Psychology, Queen's University, Kingston, ON, Canada

1:00 37 117.037 The Behavior and Sensory Interests Questionnaire: Validation in a Sample of Children with Autism Spectrum Disorder. R. McNally Keehn[*1,2], N. Visyak[1], E. Thorpe[1], L. Harvey[3], E. Baroni[4], R. Hundley[5] and E. Hanson[1,2], (1)Division of Developmental Medicine, Children's Hospital Boston, Boston, MA, (2)Harvard Medical School, Boston, MA, (3)University of Michigan Autism & Communication Disorders Center (UMACC), Ann Arbor, MI, (4)University of Maine, Orono, ME, (5)Pediatrics, Vanderbilt University, Nashville, TN

2:00 38 117.038 Investigating the Association Between Anxiety and Fixed Interests, Repetitive Behaviors in Preschool Children with ASD. K. A. Baird[*1], P. Szatmari[2], S. Georgiades[3], E. Duku[4], S. E. Bryson[5], E. Fombonne[6,7], W. Roberts[8], I. M. Smith[5], T. Vaillancourt[9], J. Volden[10], C. Waddell[11] and L. Zwaigenbaum[10], (1)Psychology, Neuroscience, and Behaviour, McMaster University, Ancaster, ON, Canada, (2)The Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (3)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (4)Room 203, Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (5)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (6)Montreal Children's Hospital, Montreal, QC, Canada, (7)Psychiatry, McGill University, Montreal, QC, Canada, (8)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (9)University of Ottawa, Ottawa, ON, Canada, (10)University of Alberta, Edmonton, AB, Canada, (11)Simon Fraser University, Vancouver, BC, Canada

3:00 39 117.039 Cognitive Profiles and ASD Symptomatology. J. E. Elgin[*], K. Ankenman, L. Vincent and R. Bernier, University of Washington, Seattle, WA

1:00 40 117.040 Overfocusing: A Possible Extension of the Broad Autism Phenotype. R. Allen[*] and M. Kinsbourne, Psychology, The New School for Social Research, New York, NY

2:00 41 117.041 Sensory Characteristics of Japanese Children and Youth with Autism Spectrum Disorders. T. Hagiwara[*1] and R. Iwanaga[2], (1)Hokkaido University of Education, Asahikawa, Japan, (2)Nagasaki University, Nagasaki, Japan

3:00 42 117.042 Patterns of ASD-Onset and Parents' Beliefs about Causes. R. P. Goin-Kochel[*1], S. Mire[2] and A. G. Dempsey[3], (1)Baylor College of Medicine, Houston, TX, (2)Department of Education, University of Houston, Houston, TX, (3)Center for Clinical Research & Evidence-Based Medicine, University of Texas Health Science Center at Houston, Houston, TX

1:00 43 117.043 Family History of Depression and Repetitive Behaviors in ASD. L. Nations[*1], J. Lee[2], J. R. Gilbert[1], M. A. Pericak-Vance[1,3] and M. L. Cuccaro[1], (1)John P Hussman Institute for Human Genomics, Miami, FL, (2)University of Miami, Miami, FL, (3)Hussman Institute for Human Genomics, University of Miami, Miami, FL

2:00 44 117.044 The Broader Autism Phenotype As a Predictor for Autism Spectrum Disorders. J. A. Burko[*1], C. M. Slater[1], L. M. Caccamo[1], E. Hanson[2,3] and M. Gregas[4], (1)Developmental Medicine, Children's Hospital Boston, Boston, MA, (2)Children's Hospital Boston, Boston, MA, (3)Harvard Medical School, Boston, MA, (4)Children's Hospital Boston, Boston, MA

3:00 ▸ 45 117.045 Broader Autism Phenotype In Parents of Children with Autism, A Case Control Study From Tunisia. N. Gaddour[*1], N. Boussaid[2], S. Missaoui[1] and L. Gaha[1], (1)University of Monastir, Monastir, Tunisia, (2)Faculty of Medicine, University of Monastir, Monastir, Tunisia

1:00 46 117.046 Use of Specific Language Constructs for a Family Genetics Study of Autism and Language Impairment. Z. Fermano[*1], J. Flax[1], A. Hare[1], B. Zimmerman-Bier[2], C. Bartlett[3], S. Buyske[4] and L. Brzustowicz[1], (1)Department of Genetics, Rutgers University, Piscataway, NJ, (2)Saint Peter's University Hospital, New Brunswick, NJ, (3)The Research Institute at Nationwide Children's Hospital & The Ohio State University, Columbus, OH, (4)Department of Statistics, Rutgers University, Piscataway, NJ

2:00 47 117.047 Broad Autism Phenotype in Typically Developing Children Predicts Performance on An Eye-Tracking Measure of Joint Attention. M. R. Swanson[*1], V. Erstenyuk[2], M. Jyotishi[3], F. Masry[3], G. Serlin[4] and M. J. Siller[1,5], (1)Biopsychology and Behavioral Neuroscience Subprogram in Psychology, The Graduate Center of City University of New York, NY, (2)Psychology, Hunter College, City University of New York, NY, (3)Psychology, Hunter College, New York, NY, (4)Biopsychology and Behavioral Neuroscience Subprogram in Psychology, Graduate Center of the City University of New York, NY, (5)Psychology, Hunter College of the City University of New York, New York, NY

3:00 48 117.048 The Long-Term Course of Autism. Symptomatology and Social Adaptation Across the Life Span in a German Sample with Autism Spectrum Disorders. E. Duketis[*], K. Teufel, R. Weber and C. M. Freitag, Child and Adolescent Psychiatry, Goethe University, Frankfurt, Germany

1:00 49 117.049 Social and Sexual Knowledge and Interests of High-Functioning Adults with ASD. M. E. Van Bourgondien[*], TEACCH Division, The University of North Carolina, Chapel Hill, NC

2:00 50 117.050 Perceptions of Social Functioning In Young Children with ASD: Comparing Parent and Teacher Reports. M. B. Jackson[*1], M. Adolphson Horn[1] and E. Laugeson[2], (1)The Help Group - UCLA Autism Research Alliance, Sherman Oaks, CA, (2)UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA

3:00 51 117.051 Exploring the Associated Features of ASD. R. Kent[*1], S. R. Leekam[1], J. Gould[2] and L. Wing[2], (1)Park Place, Cardiff University, Cardiff, United Kingdom, (2)National Autistic Society, Kent, UK, United Kingdom

1:00 52 117.052 Exploring the Sensory Symptoms in Adults with ASD Through Self-Report. L. White[*1], R. Kent[2], S. R. Leekam[2], D. J. McGonigle[3], J. Gould[4] and A. Kourkoulou[2], (1)WARC, School of Psychology, Cardiff University, Cardiff, United Kingdom, (2)Park Place, Cardiff University, Cardiff, United Kingdom, (3)Schools of Biosciences/Psychology, Cardiff University, Cardiff, United Kingdom, (4)National Autistic Society, Kent, United Kingdom

2:00 53 117.053 Adults Presenting for a First Diagnosis of An Autism Spectrum Disorder: Issues and Opportunities. K. A. Loveland[*1] and W. B. Bonnen[2], (1)Psychiatry & Behavioral Sciences, University of Texas Health Science Center, Houston, Houston, TX, (2)Psychiatry & Behavioral Sciences, University of Texas Health Science Center Houston, Houston, TX

3:00 54 117.054 Adaptive Functioning on the Borderlands of the Autism Spectrum. R. A. Varrall[*1], D. H. Skuse[2] and W. P. Mandy[3], (1)Great Ormond Street Hospital, London, United Kingdom, (2)Behavioural and Brain Sciences, Institute of Child Health, University College, London, United Kingdom, (3)University College, London, United Kingdom

1:00 55 117.055 Sensory Subtypes in Children with ASD: Latent Profile Analysis Using a National Survey of Sensory Features. K. K. Ausderau[*1], J. Sideris[2] and G. T. Baranek[3], (1)University of North Carolina, Chapel Hill, NC, (2)Frank Porter Graham Institute, Chapel Hill, NC, (3)Occupational Science, University of North Carolina, Chapel Hill, NC

2:00 56 117.056 Autistic Characteristics Before and After the Age of Three in Children with Autism Spectrum Disorder. J. Shenouda[*], S. Neves and W. Zahorodny, Pediatrics, UMDNJ-New Jersey Medical School, Newark, NJ

3:00 57 117.057 Developmental Phenotypes and Severity Profiles of Autism Spectrum Disorders in Preschool Children. K. A. Penner[*1,2], D. Chudley[3] and A. Hanlon-Dearman[1,2], (1)Pediatrics and Child Health, University of Manitoba, Winnipeg, MB, Canada, (2)Child Development Clinic, Children's Hospital, Winnipeg, MB, Canada, (3)University of Manitoba, Winnipeg, MB, Canada

1:00 58 117.058 Quantitative Analysis of Prosody in Conversational Speech in Autism Spectrum Disorders and in Developmental Language Disorders. G. Kiss[1], J. van Santen[*2], E. T. Prud'hommeaux[2] and L. M. Black[2], (1)CSLU, BME, OHSU, Beaverton, OR, (2)Center for Spoken Language Understanding, Oregon Health & Science University, Beaverton, OR

2:00 59 117.059 Narrative Ability In Autism and the Broad Autism Phenotype. A. H. Hogan-Brown[*], N. Friend, J. Lebersfeld, L. F. Ayres and M. Losh, The Roxelyn and Richard Pepper Department of Communication Sciences and Disorders, Northwestern University, Evanston, IL

3:00 60 117.060 Internalizing Problems, Socialization Issues, and Attention Deficit/Hyperactivity Issues of Children with Autism Born Late Preterm. C. M. Brewton[*1], A. T. Dovi[1], E. Allain[1] and A. G. Dempsey[2], (1)School Psychology, University of Houston, Houston, TX, (2)Center for Clinical Research & Evidence-Based Medicine, University of Texas Health Science Center at Houston, Houston, TX

Poster Sessions
118 - Genetic, Prenatal and Biological Risk Factors
1:00 PM - 5:30 PM - Sheraton Hall

1:00 ▸ 61 118.061 Prevalence of Emotional and Behavioural Disorders in Young Children with Autistic Disorder in Jamaica. M. Samms-Vaughan[*], J. A. T. Reece, S. Pellington and S. C. Smile, The University of the West Indies, Kingston 7, Jamaica

2:00 62 118.062 Relationship of Neonatal Head Ultrasound Abnormalities to Adult Autism Spectrum Disorders in a Low Birthweight Population. T. Z. Movsas[*1], J. A. Pinto-Martin[2], A. H. Whitaker[3], J. F. Feldman[4], J. M. Lorenz[5], S. Korzeniewski[6], S. E. Levy[7] and N. S. Paneth[1], (1)Dept of Epidemiology, College of Human Medicine, Michigan State University, East Lansing, MI, (2)University of Pennsylvania School of Nursing and School of Medicine, Philadelphia, PA, (3)Dept of Psychiatry, Div of Child & Adolescent Psychiatry, New York State Institute, New York, NY, (4)Dept of Psychiatry, Division of Child and Adolescent Psychiatry, New York State Institute, New York, NY, (5)Dept of Pediatrics, New York Presbyterian Hospital-Columbia University Medical Center, New York, NY, (6)Perinatal Epidemiology Unit, Wayne State Univ School of Medicine, Detroit, MI, (7)Center for Autism Research, Children's Hospital of Philadelphia/ University of Pennsylvania, Philadelphia, PA

3:00 63 118.063 Longitudinal Measures of Community and Social Participation in Young Adults with Autism. E. Myers[*1], G. Stobbe[2], B. Davis[1] and K. Bjornson[3], (1)Pediatrics, University of Washington, Seattle, WA, (2)Neurology and Psychiatry, University of Washington, Seattle, WA, (3)Pediatrics, University of Washington, Seattle, WA

1:00 ▸ 64 118.064 Seafood Consumption and Blood Mercury Concentrations in Jamaican Children with and without Autism Spectrum Disorders. M. H. Rahbar[*1,2], M. Samms-Vaughan[3], K. A. Loveland[4], M. Ardjomand-Hessabi[1], Z. Chen[1], J. Bressler[5], S. Pellington[3], M. L. Grove[5], K. M. Bloom[1], D. A. Pearson[4], G. C. Lalor[6] and E. Boerwinkle[2], (1)Biostatistics, Epidemiology, Research Design (BERD) Core, Center for Clinical and Translational Sciences (CCTS), The University of Texas Health Science Center at Houston, Houston, TX, (2)Epidemiology, Human Genetics, and Environmental Sciences, The University of Texas School of Public Health, Houston, TX, (3)Department of Child Health, The University of the West Indies, Kingston 7, Jamaica, (4)Dept. of Psychiatry & Behavioral Sciences, University of Texas Medical School, Houston, TX, (5)Human Genetics Center, The University of Texas School of Public Health, Houston, TX, (6)International Centre for Environmental Nuclear Science, The University of the West Indies, Kingston, Jamaica

2:00 65 118.065 Genetic Polymorphism of Methylenetetrahydrofolate Reductase in Children with Autism in Northeast China. K. Wu[*1], L. Xia[2], D. Zhao[1], W. Xia[1] and L. J. Wu[1], (1)Harbin Medical University, Harbin, China, (2)The First Hospital of Harbin Medical University, Harbin, China

3:00 66 118.066 Community Influenza Level and Risk of Autism Spectrum Disorders. O. Zerbo[*1], A. M. Iosif[1], C. K. Walker[1] and I. Hertz-Picciotto[1,2], (1)Public Health Sciences, University of California Davis, Davis, CA, (2)The UC Davis Medical Investigation of Neurodevelopmental Disorders (MIND) Institute, University of California Davis, Sacramento, CA

1:00 67 118.067 Intrauterine and Neonatal Levels of Neurotrophic Factors and Matrix Metalloproteinases-9 and Risk of Autism Spectrum Disorders. M. W. Abdallah[*1,2,3], B. D. Pearce[4], N. Larsen[3], K. Greaves-Lord[5,6], E. C. Bonefeld-Jørgensen[7], B. Nørgaard-Pedersen[3], D. M. Hougaard[3], E. L. Mortensen[8] and J. Grove[9], (1)Department of Epidemiology, Aarhus University Faculty of Health Sciences, Aarhus C, Denmark, (2)Department of Psychiatry and Psychotherapy, Rostock University Hospital, Rostock, Germany, (3)Department of Clinical Biochemistry and Immunology, Statens Serum Institute, Copenhagen, Denmark, (4)Department of Epidemiology, Rollins School of Public Health, Emory University, Atlanta, GA, (5)Department of Child & Adolescent Psychiatry and Psychology, Erasmus MC - Sophia's Children's Hospital, Rotterdam, Netherlands, (6)Academie, Yulius, Rotterdam, Netherlands, (7)Center for Arctic Environmental Medicine & Unit of Cellular and Molecular Toxicology, Aarhus University Faculty of Health Sciences, Aarhus C, Denmark, (8)Institute of Public Health and Center for Healthy Aging, University of Copenhagen, Copenhagen, Denmark, (9)Department of Biomedicne and Bioinformatics Research Centre (BiRC), Aarhus University Faculty of Health Sciences, Aarhus, Denmark

2:00 ▸ 68 118.068 Behavior Changes Associated with Food Intake and Eating Disorders in Children with Autism in Oman. Y. M. Al-Farsi[*1], M. I. Waly[1], M. Al-Sharbati[1], M. M. Al-Khaduri[1], O. A. Al-Farsi[1], M. Al-Shafaee[1] and R. Deth[2], (1)Sultan Qaboos University, Muscat, Oman, (2)Northeastern University, Boston, MA

3:00 ▸ 69 118.069 Association of Adverse Antenatal and Perinatal Events with Occurrence of Autism: A Case Control Study. Y. M. Al-Farsi[*1], M. M. Al-Khaduri[1], M. Al-Sharbati[1], M. I. Waly[1], O. A. Al-Farsi[1], M. Al-Shafaee[1] and R. Deth[2], (1)Sultan Qaboos University, Muscat, Oman, (2)Northeastern University, Boston, MA

1:00 70 118.070 Assisted Reproduction Techniques and ASD. M. A. Stokes[*1], J. A. McGillivray[2], J. A. Manjiviona[3], K. Saunders[4] and T. Attwood[5], (1)School of Psychology, Deakin University, Burwood, Australia, (2)Psychology, Deakin University, Burwood, Australia, (3)Department of Psychology, The University of Melbourne, Melbourne, Australia, (4)Private practicioner, Melbourne, Australia, (5)Psychology, Griffith University, Brisbane, Australia

2:00 71 118.071 In Utero Exposure to B2AR Agonists and Risk for Autism Spectrum Disorders. N. B. Gidaya[*1], B. K. Lee[1], I. Burstyn[1], E. L. Mortensen[2] and C. J. Newschaffer[1], (1)Drexel University School of Public Health, Philadelphia, PA, (2)Institute of Public Health and Center for Healthy Aging, University of Copenhagen, Copenhagen, Denmark

3:00 72 118.072 Prenatal Influences on Autism Spectrum Disorders: Negative Evidence From a Twin Study. L. Meyer[*] and H. H. Goldsmith, Psychology, University of Wisconsin-Madison, Madison, WI

1:00 73 118.073 Maternal Dietary Fat and Fatty Acid Intake in Association with Autism Spectrum Disorder. K. Lyall[*1,2], K. Munger[2], E. O'Reilly[2], S. L. Santangelo[3,4,5] and A. Ascherio[2,5], (1)University of California, Davis, MIND Institute, Sacramento, CA, (2)Nutrition, Harvard School of Public Health, Boston, MA, (3)Department of Psychiatry, Harvard Medical School, Boston, MA, (4)Psychiatric and Neurodevelopmental Genetics Unit, Center for Human Genetic Research, Massachusetts General Hospital, Boston, MA, (5)Epidemiology, Harvard School of Public Health, Boston, MA

2:00 74 118.074 Maternal Immune-Mediated Conditions in Association with Child Immune-Related Outcomes and Autism Spectrum Disorders. K. Lyall[*1], P. Ashwood[1], J. Van de Water[1,2] and I. Hertz-Picciotto[1,2], (1)University of California, Davis, MIND Institute, Sacramento, CA, (2)University of California, Davis, CA

3:00 75 118.075 A Familial History of Pink Disease Identified As a Risk Factor for Autism Spectrum Disorders. K. Shandley[*] and D. W. Austin, Faculty of Life and Social Sciences, Swinburne University of Technology, Hawthorn, Australia

1:00 76 118.076 The Fertility Behavior of Parents with Children with Autism. K. R. Makovi[*1], K. Y. Liu[2,3] and P. S. Bearman[3], (1)Sociology, Columbia University, New York, NY, (2)Paul F. Lazarsfeld Center for the Social Sciences, New York, NY, (3)Columbia University, New York, NY

2:00 77 118.077 Maternal Hospitalization for Infection During Pregnancy and Risk of Autism Spectrum Disorders. B. K. Lee[*1], C. Dalman[2], C. J. Newschaffer[1], I. Burstyn[1], Å. Blomström[2], S. Idring[2], H. Karlsson[3], R. M. Gardner[4] and C. Magnusson[2], (1)Drexel University School of Public Health, Philadelphia, PA, (2)Department of Public Health Sciences, Karolinska Institutet, Stockholm, Sweden, (3)The Stanley Neurovirology Laboratory, Johns Hopkins University School of Medicine, Baltimore, MD, (4)Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden

3:00 78 118.078 Genome-Wide DNA Methylation in Pregnancy – Preliminary Results From the EARLI Study. J. Feinberg[1], S. Brown[2], D. Hiller[3], L. A. Croen[4], I. Hertz-Picciotto[5], C. J. Newschaffer[6], A. Feinberg[3] and M. D. Fallin[*7], (1)Johns Hopkins School of Medicine, Baltimore, MD, (2)Epidemiology, Johns Hopkins School of Public Health, Baltimore, MD, (3)Center for Epigenetics, Johns Hopkins School of Medicine, Baltimore, MD, (4)Kaiser Permanente Division of Research, Oakland, CA, (5)Public Health Sciences, M.I.N.D. Institute, UC Davis, Davis, CA, (6)Drexel University School of Public Health, Philadelphia, PA, (7)Johns Hopkins School of Public Health, Baltimore, MD

1:00 79 118.079 Birth Weight in ASD-Affected Twin Pairs. W. Froehlich[*1], S. Cleveland[1], A. Londono Tobon[1], A. Torres[1], J. M. Phillips[1], B. Cohen[2], T. Torigoe[2], J. Miller[2], A. Fedele[2], J. Collins[3], K. S. Smith[3], L. Lotspeich[1], L. A. Croen[4], S. Ozonoff[5], C. Lajonchere[2], J. K. Grether[3], N. Risch[4,6] and J. Hallmayer[1], (1)Stanford University, Stanford, CA, (2)Autism Genetic Resource Exchange, Los Angeles, CA, (3)California Department of Public Health, Richmond, CA, (4)Kaiser Permanente, Division of Research, Oakland, CA, (5)MIND Institute, UC Davis, Sacramento, CA, (6)University of California, San Francisco, CA

2:00 80 118.080 Thyroid Hormones in Pregnancies At Elevated Risk of Autism Spectrum Disorders. I. Burstyn[*1], S. Devaraj[2], L. A. Croen[3], M. D. Fallin[4], I. Hertz-Picciotto[5] and C. J. Newschaffer[6], (1)1505 Race Street, Room 1332, Drexel University, Philadelphia, PA, (2) Baylor College of Medicine, Houston, TX, (3)Kaiser Permanente Division of Research, Oakland, CA, (4)Johns Hopkins School of Public Health, Baltimore, MD, (5)University of California, Davis, CA, (6)Drexel University School of Public Health, Philadelphia, PA

3:00 81 118.081 Residential Proximity to Agricultural Pesticides and Cognitive and Behavioral Scores in the CHARGE Study. J. F. Shelton[*1], E. M. Geraghty[2], D. J. Tancredi[3] and I. Hertz-Picciotto[4,5], (1)UC Davis Department of Public Health Sciences, Davis, CA, (2)General Internal Medicine, UC Davis School of Medicine, Sacramento, CA, (3)UC Davis School of Medicine and Center for Healthcare Policy and Research, Sacramento, CA, (4)Department of Public Health Sciences, University of California, Davis, CA, (5)M.I.N.D. Institute, Sacramento, CA

1:00 82 118.082 Prenatal Biomarkers of Oxidative Stress and Reduced Methylation Capacity in An Autism High-Risk Pregnancy Cohort. S. J. James[*1], S. Melnyk[1], L. A. Croen[2], M. D. Fallin[3], I. Hertz-Picciotto[4] and C. J. Newschaffer[5], (1)University of Arkansas for Medical Sciences, Little Rock, AR, (2)Kaiser Permanente Division of Research, Oakland, CA, (3)Johns Hopkins School of Public Health, Baltimore, MD, (4)Public Health Sciences, M.I.N.D. Institute, UC Davis, Davis, CA, (5)Drexel University School of Public Health, Philadelphia, PA

2:00 83 118.083 Frequency of Autism Spectrum Disorder Among Children with Cerebral Palsy, Metropolitan Atlanta Developmental Disabilities Surveillance Program, 2006-2008. D. Christensen[*], M. Yeargin-Allsopp, N. Doernberg and K. Van Naarden Braun, Centers for Disease Control and Prevention, Atlanta, GA

3:00 84 118.084 Folic Acid Supplements in Pregnancy and Severe Language Delay in Children. C. Roth[*1,2], P. Magnus[3], S. Schjolberg[1], C. Stoltenberg[4], P. Surén[5], I. W. McKeague[2], G. Davey Smith[6], T. Reichborn-Kjennerud[7] and E. Susser[8,9], (1)Division of Mental Health, Norwegian Institute of Public Health, Oslo, Norway, (2)Columbia University, New York, NY, (3)Epidemiology, Norwegian Institute of Public Health, Oslo, Norway, (4)The Norwegian Institute of Public Health, Oslo, Norway, (5)Norwegian Institute of Public Health, Oslo, Norway, (6)School of Social and Community Medicine, University of Bristol, Bristol, United Kingdom, (7)Adult Mental Health, Norwegian Institute of Public Health, Oslo, Norway, (8)Columbia University, New York, NY, (9)New York State Psychiatric Institute, New York, NY

1:00 85 118.085 Maternal Chemical and Drug Intolerance: A Risk Factor for Autism and ADHD?. R. F. Palmer[*1], L. Heilbrun[2] and C. S. Miller[1], (1)Family and Community Medicine, University of Texas Health Science Center, San Antonio, TX, (2)Family and Community Medicine, University of Texas Health Science Center, San Antonio, TX

2:00 86 118.086 Prenatal Cytokine Expression Profiles in An Autism High-Risk Pregnancy Cohort: Preliminary Results From the EARLI Study. V. Yau[*1], J. Van de Water[2,3], L. A. Croen[4], M. D. Fallin[5], I. Hertz-Picciotto[2,6] and C. J. Newschaffer[7], (1)Division of Research, Autism Research Program, Kaiser Permanente, Oakland, CA, (2)University of California, Davis, CA, (3)University of California, Davis, MIND Institute, Sacramento, CA, (4)Kaiser Permanente Division of Research, Oakland, CA, (5)Johns Hopkins School of Public Health, Baltimore, MD, (6)Public Health Sciences, M.I.N.D. Institute, UC Davis, Davis, CA, (7)Drexel University School of Public Health, Philadelphia, PA

3:00 87 118.087 Effects of Prenatal Stress, Prenatal Diet, and Maternal Genotype on Autistic-Like Behavior in Mice. K. L. Jones[*1], M. J. Will[1], P. M. Hecht[1], C. Giesing[1], C. L. Parker[1], K. Webb[1], K. Poet[1], K. Bohnert[1], N. Ackermann[1], E. Hayes[1], M. McAnally[1], A. Kohler[1], K. Fritsche[1], M. Tilley[2] and D. Q. Beversdorf[3], (1)University of Missouri, Columbia, MO, (2)Central Methodist University, Fayette, MO, (3)University of Missouri, Columbia, MO

1:00 88 118.088 Prenatal Interaction Between Genotype and Stress in the Development of Autism Spectrum Disorder. P. Hecht[*1], K. L. Jones[1], M. Tilley[2] and D. Q. Beversdorf[3], (1)University of Missouri, Columbia, MO, (2)Central Methodist University, Fayette, MO, (3)Radiology, Neurology, Psychology, and Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO

2:00 89 118.089 Using Data From the SC Autism and Developmental Disabilities Monitoring Project to Assess Perinatal and Neonatal Risk Factors for Autism. L. B. King[*1], J. S. Nicholas[2], L. A. Carpenter[1], J. Charles[1], W. Jenner[1] and T. Hulsey[1], (1)Pediatrics, Medical University of South Carolina, Charleston, SC, (2)Medicine, Medical University of South Carolina, Charleston, SC

3:00 90 118.090 Artificial Reproductive Technology Exposure in Children with Autism Spectrum Disorders and Their Siblings. R. Maxim, MD[*1], E. S. Ambrecht[2], J. K. Law[3], C. M. Anderson[3], C. Guild[4], M. W. Baig[5], D. H. Zand[6], A. Nay[7], R. Grimmer[8], A. R. Marvin[9] and P. A. Law[3], (1)Saint Louis University, Clayton, MO, (2)Center for Outcomes Research and Department of Pediatrics, Saint Louis University, St. Louis, MO, (3)Medical Informatics, Kennedy Krieger Institute, Baltimore, MD, (4)Center for Outcomes Research and Department of Pediatrics., Saint Louis University, St. Louis, MO, (5)SSM Cardinal Glennon Children's Hospital, St. Louis, MO, (6)Saint Louis University School of Medicine, St. Louis, MO, (7)Saint Louis University, St. Louis, MO, (8)Saint Louis University, St. Louis, MO, (9)Kennedy Krieger Institute, Baltimore, MD

1:00 91 118.091 The Relationship Between Autism Spectrum Disorders and the Distribution of Hazardous Air Pollutants in Four New Jersey Counties. R. M. McWilliams[*1], D. E. Wartenberg[2] and N. J. Jain[3], (1)Rutgers University, New Brunswick, NJ, (2)DEOM, UMDNJ — Robert Wood Johnson Medical School, Piscataway, NJ, (3)Epidemiology & Biostatistics, UMDNJ-RWJMS, Piscataway, NJ

2:00 92 118.092 Autism Spectrum Disorders and Attention Deficit Hyperactivity Disorder in a Low Birth Weight Cohort: Evidence for a Shared Familial Risk Factor. C. B. Christman[*1], A. H. Whitaker[2], J. F. Feldman[3], J. A. Pinto-Martin[4], S. E. Levy[5], A. E. Silberman[6], N. S. Paneth[7] and J. M. Lorenz[8], (1)Department of Pediatrics, Division of Neonatology, New York Presbyterian Hospital-Columbia University Medical Center, New York, NY, (2)Department of Psychiatry, Division of Child and Adolescent Psychiatry, New York State Psychiatric Institute, New York, NY, (3)Dept of Psychiatry, Division of Child and Adolescent Psychiatry, New York State Institute, New York, NY, (4)University of Pennsylvania School of Nursing and School of Medicine, Philadelphia, PA, (5)Center for Autism Research, Children's Hospital of Philadelphia/ University of Pennsylvania, Philadelphia, PA, (6)New York State Psychiatric Institute, New York, NY, (7)Dept of Epidemiology, College of Human Medicine, Michigan State University, East Lansing, MI, (8)Dept of Pediatrics, New York Presbyterian Hospital-Columbia University Medical Center, New York, NY

Poster Sessions
119 - Impact of Families and Quality of Life
1:00 PM - 5:30 PM - Sheraton Hall

1:00 93 119.093 Clinical Validation of the Family Life Impairment Scale in Families Raising a Toddler on the Autism Spectrum. N. Mian[*1], T. W. Soto[2], F. Martinez-Pedraza[2], M. Maye[3,4] and A. S. Carter[5], (1)University of Massachusetts, Boston, MA, (2)University of Massachusetts, Boston, MA, (3)University of Michigan Autism and Communication Disorders Center (UMACC), Ann Arbor, MI, (4)Psychology, University of Massachusetts, Boston, MA, (5)University of Massachusetts, Boston, MA

2:00 94 119.094 Maternal Cortisol Regulation Patterns, Perceived Parental Stress and Attachment Representations: Impact of a Service Dog's Presence in Families of Children with ASD. S. M. Fecteau[*1], M. Trudel[2], N. Champagne[3] and F. Picard[4], (1)Education, University of Sherbrooke, Longueuil, QC, Canada, (2)Psychoeducation, University of Sherbrooke, Longueuil, QC, Canada, (3)Fondation Mira, Ste-Madeleine, QC, Canada, (4)Laval University, Ste-Foy, QC, Canada

3:00 95 119.095 Depression and Stress Levels in Parents of Young Children with Autism. C. Hess[*1], R. J. Landa[1] and S. Tek[2], (1)Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD, (2)Kennedy Krieger Institute for Autism and Related Disorders, Baltimore, MD

1:00 96 119.096 Parent Stress, Parent-Child Interactions, and Symptom Expression in At-Risk Infants. A. M. Steiner[*1], G. W. Gengoux[2], A. Smith[1] and K. Chawarska[1], (1)Child Study Center, Yale University School of Medicine, New Haven, CT, (2)Stanford University School of Medicine/Lucile Packard Children's Hospital, Stanford, CA

2:00 97 119.097 Parenting Stress and Aberrant Behavior in Children with Autism Participating in a Multi-Disciplinary Program Providing Medical Care, Dietetic Support, Educational Assessment and Family Resources. L. Hewitson[*], A. Potts and A. Behn, The Johnson Center for Child Health and Development, Austin, TX

3:00 98 119.098 You Had Me At Hello: How Introductory Type Affects Stigmatization. K. D. Baker[*1], J. M. Gillis[2] and C. R. Locke[3], (1)Psychology, Auburn University, Auburn, AL, (2)Auburn University, Auburn, AL, (3)Sociology, Auburn University, AL

1:00 ▸ 99 119.099 Examining the Difference in Age of Diagnosis for Bilingual and English-only Children from K-2 Autistic Support Classroom. R. A. Wideman[*1], M. Xie[2], E. M. Reisinger[3], M. M. Downey[2] and D. S. Mandell[2], (1)University of Pennsylvania, Philadelphia, PA, (2)University of Pennsylvania School of Medicine, Philadelphia, PA, (3)University of Pennsylvania, Philadelphia, PA

2:00 100 119.100 Service Efficacy As a Moderator of Caregiver Burden in Families of Individuals with Autism Spectrum Disorders. S. L. Fung[*1], A. Tint[1], J. A. Weiss[1] and Y. Lunsky[2], (1)York University, Toronto, ON, Canada, (2)Centre for Addiction and Mental Health, Toronto, ON, Canada

3:00 101 119.101 Caregiver Characteristics of Participants in a PEERS Program Replication Study. R. Harwood[*1], C. White[1], A. Pulido[2] and A. J. Lincoln[3], (1)Center for Autism Research Evaluation and Service, San Diego, CA, (2)Alliant International University, San Diego, CA, (3)Alliant International University; Center for Autism Research, Evaluation and Service, San Diego, CA

1:00 ▸ 102 119.102 Family Cohesion and Parental Well-Being in Families of Children with An Autism Spectrum Disorder: The Role of Ethnicity. N. Ekas[*1], S. Celimli[2], A. Gutierrez[3] and M. Alessandri[3], (1)Texas Christian University, Fort Worth, TX, (2)University of Miami, Coral Gables, FL, (3)Psychology, University of Miami, Coral Gables, FL

2:00 103 119.103 Predictors of Positive and Negative Cognitive Appraisals in Families Raising a Child with Autism. S. Quirke[*1,2], I. Sladeczek[1] and E. Fombonne[2,3], (1)McGill University, Montreal, QC, Canada, (2)Montreal Children's Hospital, Montreal, QC, Canada, (3)Psychiatry, McGill University, Montreal, QC, Canada

3:00 104 119.104 Effect of Emotional Disclosure Through Online Journal Writing on Maternal Stress and Quality of Mother-Child Relationship Among Mothers of Children with ASD or Related Disorders. R. V. Whitney[*], Baltimore, MD

1:00 105 119.105 Effectiveness of the Collaborative Coaching Model When Working with Families of Children with Sensory Processing Dysfunctions. C. Schranz[*1] and D. Sood[2], (1)Governors State University, University Park, IL, (2)Occupational Therapy, Governors State University, University Park, IL

2:00 106 119.106 Predictors of Distress in Mothers of Children with Autism Spectrum Disorders. 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

3:00 107 119.107 Carer Burden Amongst Family Members of Young People with An ASD or ADHD. T. Cadman[*1], H. Eklund[1], D. Howley[1], H. L. Hayward[1], J. Findon[1], H. Clarke[1], J. Beecham[2], K. Xenitidis[3], D. G. Murphy[1], P. Asherson[4] and K. Glaser[5], (1)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College, London, United Kingdom, (2)Personal Social Services Research Unit at the LSE, London School of Economics and Political Science, London, United Kingdom, (3)Adult Attention Deficit Hyperactivity Disorder (ADHD) Service, South London and Maudsley NHS trust, London, United Kingdom, (4)MRC Social, Genetic and Developmental Psychiatry, Institute of Psychiatry, Kings College, London, United Kingdom, (5)Department of Gerontology, Kings College, London, United Kingdom

1:00 108 119.108 Dyadic Effects of Mothers' and Fathers' Well-Being in Family Impairment. F. Martinez-Pedraza[*], T. W. Soto, M. Maye and A. S. Carter, University of Massachusetts, Boston, MA

2:00 109 119.109 Parental Perspectives of Media Use Among Adolescents with An Autism Spectrum Disorder: A Preliminary Study. M. H. Kuo[*], J. Magill-Evans and L. Zwaigenbaum, University of Alberta, Edmonton, AB, Canada

3:00 110 119.110 Quality of Life for Teens with ASD: Application of a Modified ICF Model. 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

1:00 111 119.111 The Road to Adulthood: The Concerns and Expectations of Parents of Adolescents with ASD. A. W. Duncan[*] and S. L. Bishop, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

2:00 112 119.112 An Evaluation of Support Needs, Gaps and Perceived Solutions for Children, Adolescents and Young Adults with ASD: Lived Experience and the Need for Service System Advancement. W. Roberts[*1], D. B. Nicholas[2], I. E. Drmic[3], S. Mitchell[4] and E. Ko[4], (1)University of Toronto, Toronto, ON, Canada, (2)University of Calgary, Edmonton, AB, Canada, (3)Autism Research Unit, Hospital for Sick Children, Toronto, ON, Canada, (4)Hospital for Sick Children, Toronto, ON, Canada

3:00 ▸ 113 119.113 Autism in the World Autism in the World: A Comparative Study in Atlanta, GA USA and Kerala, India. J. C. Sarrett[*], Institute of Liberal Arts, Emory University, Atlanta, GA

1:00 114 119.114 Greek Mental Health and Education Professionals' Knowledge and Views Regarding Autism. D. Papoudi*, Athens, Greece

2:00 ▸ 115 119.115 Autism Awareness and Attitudes Towards Treatment in Care Givers of Children Aged 3-6 Years Old in Harbin, China. J. Wang[1], X. Zhou[*1], W. Xia[1], C. H. Sun[1], L. J. Wu[1] and J. L. Wang[2], (1)Harbin Medical University, Harbin, China, (2)University of Calgary, Calgary, QC, Canada

3:00 ▸ 116 119.116 Intervention Focussing on the Interaction Styles of Parents and Therapists of Children with Autism and Limited Speech: Case Studies From Bangladesh. N. Y. Ahmed[*1] and A. L. Richdale[2], (1)Hope Autism Center, Dhaka, Bangladesh, (2)Olga Tennison Autism Research Centre, La Trobe University, Bundoora, Australia

1:00 117 119.117 Relations Between the Individual and Joint Attachment Scripts in Couples with a Child with Autism. M. R. Semensato[1] and C. A. Bosa[*2], (1)Psychology, Federal University of Rio Grande do Sul, Porto Alegre, Brazil, (2)Psychology, Federal University of Rio Grande do Sul, Porto Alegre, Brazil

Poster Sessions
120 - Schools, Employment and Community
1:00 PM - 5:30 PM - Sheraton Hall

1:00 118 120.118 Communicating about Autism: Translating and Sharing Research Evidence with Community Audiences. J. Jivraj[*1], C. Piatt[1], M. Viau[2], L. Zwaigenbaum[1], M. Elsabbagh[3], D. B. Nicholas[4] and E. Fombonne[5], (1)University of Alberta, Edmonton, AB, Canada, (2)Autism Research Training Program, Montreal, QC, Canada, (3)Centre for Brain and Cognitive Development, Birkbeck, London, United Kingdom, (4)University of Calgary, Edmonton, AB, Canada, (5)Psychiatry, McGill University, Montreal, QC, Canada

2:00 119 120.119 Impact of a Multidisciplinary Parent Education Program on Families of Children Recently Diagnosed with An ASD. K. V. Christodulu*, M. L. Rinaldi, K. Knapp-Ines, L. Hiruma and V. Costanzo, Center for Autism and Related Disabilities, University at Albany, SUNY, Albany, NY

3:00 120 120.120 Developmental and Autism Spectrum Disorder Screening Practices Among Primary Care Physicians. K. Hughes[*1,2], J. E. Farmer[2] and K. Sohl[2], (1)Health Management and Informatics, University of Missouri, Columbia, MO, (2)Thompson Center for Autism & Neurodevelopmental Disorders, University of Missouri, Columbia, MO

1:00 121 120.121 Training Public School Teachers to Use Data-Based Decision Analysis with Discrete Trial Training. D. T. Zavatkay[*1], D. Bamford[2], C. Cunningham[2] and L. Gianino[3], (1)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA, (2)Marcus Autism Center & Children's Healthcare of Atlanta, Atlanta, GA, (3)Marcus Autism Center & Childrens Healthcare of Atlanta, Atlanta, GA

2:00 ▸ 122 120.122 User Centric Evidence Based Inclusive School Design Guidelines for Children with Autism. R. Khare[*1] and A. Mullick[2], (1)Department of Architecture, School of Planning and Architecture, Bhopal, MP, India, (2)Industrial Design Programme, Georgia Institute of Technology, Atlanta, GA

3:00 123 120.123 An Examination of IEP Quality, Parent and Teacher Stress, and Teacher Background for Children with Autism Spectrum Disorders in Rural and Urban Areas. M. A. Murphy[*1] and L. A. Ruble[2], (1)Deparment of Educational, School, and Counseling Psychology, University of Kentucky, Lexington, KY, (2)Educational, Counseling, and School Psychology, University of Kentucky, Lexington, KY

1:00 124 120.124 Training Teachers in Social Skills: Does Self Efficacy Play a Role?. J. Salt*, C. Flint and K. Johnsen, HAVE Dreams, Park Ridge, IL

2:00 125 120.125 A Meta-Analysis of the Reading Comprehension Skills of Students with Autism Spectrum Disorders. H. M. Brown[*1], J. Oram Cardy[2] and A. Johnson[3], (1)Faculty of Health and Rehabilitation Sciences, The University of Western Ontario, London, ON, Canada, (2)School of Communication Sciences and Disorders, The University of Western Ontario, London, ON, Canada, (3)School of Health Studies, The University of Western Ontario, London, ON, Canada

3:00 ▸ 126 120.126 A Culturally-Informed Ecological Approach to Study the Transition to Kindergarten for Ethnically Diverse Parents of Children with ASD. E. Starr[*1], T. Martini[2] and B. Kuo[3], (1)Faculty of Education, University of Windsor, Windsor, ON, Canada, (2)Psychology, Brock University, St. Catharines, ON, Canada, (3)Psychology, University of Windsor, Windsor, ON, Canada

1:00 127 120.127 Psychometric Properties of a Newly Developed Teacher Self-Efficacy Scale for Teachers of Students with ASD. J. L. Birdwhistell*, L. A. Ruble, M. D. Toland and E. L. Usher, University of Kentucky, Lexington, KY

2:00 128 120.128 Teacher Responsivity to Child Communication Acts in Autism Preschool Classrooms. E. R. Monn[*1], L. D. Johnson[1] and A. Dimian[2], (1)Educational Psychology, University of Minnesota, Minneapolis, MN, (2)University of Minnesota, Minneapolis, MN

3:00 129 120.129 Private and School-Based Therapies: Characteristics of Children Receiving Services Across Settings. S. Mire[*1], K. P. Nowell[1], G. T. Schanding[2] and R. P. Goin-Kochel[3], (1)University of Houston, School Psychology, Houston, TX, (2)School Psychology, University of Houston, Houston, TX, (3)Baylor College of Medicine, Houston, TX

1:00 130 120.130 Engagement States of Professionals in Autism Support Classrooms: Comparing Teacher, Classroom Assistant and Paraprofessional. M. M. Downey[*1], M. Xie[1,2], E. M. Reisinger[2], R. A. Wideman[3], J. J. Locke[4], A. C. Stahmer[5], E. L. Lee[6] and D. S. Mandell[7], (1)University of Pennsylvania School of Medicine, Philadelphia, PA, (2)University of Pennsylvania, Philadelphia, PA, (3)University of Pennsylvania, Philadelphia, PA, (4)Center for Mental Health Policy and Services Research, University of Pennsylvania, Philadelphia, PA, (5)University of California, San Diego, La Jolla, CA, (6)Rady Children's Hospital, San Diego, CA, (7)Psychiatry, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA

2:00 131 120.131 Effective Interventions for Challenging Behaviours of Children and Youth with Autism and Developmental Disorders In School Settings: A Knowledge Translation Project. Q. Senkow[1], J. Montgomery[*2], J. Douglas[3], D. J. Heinrichs[4], S. North[4], S. Shooshtari[5], J. Virues-Ortega[6], T. L. Martin[6,7], L. Dodson[6,7], B. Temple[8] and C. T. Yu[4,7], (1)Seine River School Division, Lorette, MB, Canada, (2)University of Manitoba, University of Manitoba, Winnipeg, MB, Canada, (3)St. Amant School, Winnipeg, MB, Canada, (4)University of Manitoba, Winnipeg, MB, Canada, (5)Department of Human Ecology, University of Manitoba, Winnipeg, MB, Canada, (6)Psychology, University of Manitoba, Winnipeg, MB, Canada, (7)St. Amant Research Centre, Winnipeg, MB, Canada, (8)Faculty of Nursing, University of Manitoba, Winnipeg, MB, Canada

3:00 132 120.132 Qualified Jobs for People with ASC in Germany. Progress in Vocational Training and Inclusion of Adolescents in the Labour Market. M. Dalferth[*], University of Applied Sciences Regensburg, Regensburg, Germany

1:00 133 120.133 An Assessment of the Needs of Tertiary Education Students with Autism Spectrum Disorder (ASD). R. Y. Cai[*1], A. L. Richdale[2] and C. Dissanayake[3], (1)Olga Tennison Autism Research Centre, La Trobe University, Melbourne, Australia, (2)Olga Tennison Autism Research Centre, La Trobe University, Bundoora, Australia, (3)La Trobe University, Olga Tennison Autism Research Centre, Bundoora, Australia

2:00 134 120.134 Examining Vocational Services for Adults with Autism. D. B. Nicholas[*1], H. Emery[2] and L. Zwaigenbaum[3], (1)University of Calgary, Edmonton, AB, Canada, (2)University of Calgary, Calgary, AB, Canada, (3)University of Alberta, Edmonton, AB, Canada

3:00 135 120.135 The Sensory Audit: Making Workplaces Safer for Individuals on the Autism Spectrum. A. E. Robertson[*] and D. R. Simmons, School of Psychology, University of Glasgow, Glasgow, United Kingdom

1:00 136 120.136 Social Interest of Typically Developing Peers in a Child with ASD. M. Zakai-Mashiach[*], M. Ziv and E. Dromi, School of Education, Tel Aviv University, Tel Aviv, Israel

2:00 137 120.137 Social Skills Programming for Individuals on the Autism Spectrum: Training Social Workers. K. Johnsen[*], C. Flint, D. Fenceroy and J. Salt, HAVE Dreams, Park Ridge, IL

3:00 138 120.138 Participation of Children with and without Autism Spectrum Disorders in Social, Leisure, and Recreational Activities. V. Lopes[*] and P. Minnes, Psychology, Queen's University, Kingston, ON, Canada

1:00 139 120.139 Stepping Out: Social Recreation for Young Adults On the Autism Spectrum. H. Wickenheiser[*], Sinneave Foundation, Calgary, AB, Canada; Kinesiology, University Of Calgary, Calgary, AB, Canada

Poster Sessions
121 - Screening, Incidence, Prevalence and Study Methods
1:00 PM - 5:30 PM - Sheraton Hall

1:00 140 121.140 Topics of Worry in Mothers of Children with An Autism Spectrum Disorder or Down Syndrome. P. L. Ogston[*1], V. H. Mackintosh[2] and B. J. Myers[1], (1)Psychology, Virginia Commonwealth University, Richmond, VA, (2)Psychology, University of Mary Washington, Fredericksburg, VA

2:00 ▸ 141 121.141 Prevalence of Autism Spectrum Disorders in Qatar. F. Alshaban[*], Doha, Qatar

3:00 ▸ 142 121.142 Developing Autism Early Identification, Treatment and Research Strategies in Argentina. A. Rattazzi[*1], K. Gutson[1], C. Plebst[1], M. L. Massolo[2], V. M. Ensenat[1], S. Cukier[1] and L. A. Croen[3], (1)PANAACEA, CABA, Argentina, (2)Kaiser Permanente Division of Research, Oakland, CA, (3)Kaiser Permanente Division of Research, Oakland, CA

1:00 ▸ 143 121.143 An Epidemiological Review Study on the Prevalence and Incidence Rate of Autism Spectrum Disorder in Ethnic Chinese Population. L. Feng[*1] and J. Wong[2], (1)Psychological Medicine, National University of Singapore, Singapore, (2)Psychological Medicine, National University of Singapore, Singapore

2:00 ▸ 144 121.144 The Validity of Modified Checklist for Autism in Toddlers (M-CHAT) in Turkish. B. Kara[1], N. M. Mukaddes[*2], I. Altintas[3], D. Guntepe[4], G. Gokcay[3] and M. Ozmen[3], (1)Pediatrics, Kocaeli Medical School, Kocaeli, Turkey, (2)Istanbul University,Istanbul Faculty of Medicine, Istanbul, Turkey, (3)Istanbul University, Istanbul, Turkey, (4)Istanbul University, Istanbul, Turkey

3:00 145 121.145 External Validation of Autism Spectrum Disorder Classification in the Utah Autism and Developmental Disabilities Monitoring (ADDM) Network Site. D. Bilder[*1], J. Pinborough-Zimmerman[2], A. V. Bakian[3], P. Carbone[4], P. B. Petersen[5] and C. E. Rice[6], (1)University of Utah School of Medicine, Salt Lake City, UT, (2)Psychiatry, University of Utah School of Medicine, Salt Lake City, UT, (3)Department of Psychiatry, University of Utah, Salt Lake City, UT, (4)Pediatrics, University of Utah School of Medicine, Salt Lake City, UT, (5)Carmen B. Pingree School for Children with Autism, Salt Lake City, UT, (6)Centers for Disease Control and Prevention, National Center on Birth Defects and Developmental Disabilities, Atlanta, GA

1:00 146 121.146 Autism Incidence and Prevalence in California, 2000-2010. A. S. Winter[*] and P. S. Bearman, Columbia University, New York, NY

2:00 147 121.147 Spatio-Temporal Patterns of Relative Risk for Autism Spectrum Disorders in Utah. A. V. Bakian[*], J. Pinborough-Zimmerman and W. M. McMahon, Department of Psychiatry, University of Utah, Salt Lake City, UT

3:00 148 121.148 Prevalence and Case Validity of Autism Spectrum Disorders in the Stockholm Youth Cohort. S. Idring[*1], D. Rai[1,2], H. Dal[1], C. Dalman[1], H. Sturm[3], E. Zander[3], B. K. Lee[4], E. Serlachius[5] and C. Magnusson[1], (1)Department of Public Health Sciences, Karolinska Institutet, Stockholm, Sweden, (2)School of Social and Community Medicine, University of Bristol, Bristol, United Kingdom, (3)Department of Women's and Children's Health, Karolinska Institutet, Stockholm, Sweden, (4)Drexel University School of Public Health, Philadelphia, PA, (5)Department of Clinical Neuroscience, Karolinska Institutet, Stockholm, Sweden

1:00 149 121.149 The Study to Explore Early Development: Study Design and Implementation of a Multi-Site Epidemiologic Study in Autism. D. E. Schendel[*1], C. DiGuiseppi[2], L. A. Croen[3], M. D. Fallin[4], P. Reed[5], L. A. Schieve[6], L. D. Wiggins[7], J. L. Daniels[8], J. K. Grether[9], S. E. Levy[10], L. Miller[11], C. J. Newschaffer[12], J. A. Pinto-Martin[13], C. Robinson[14], G. Windham[9], A. A. Alexander[15], A. S. Aylsworth[16], P. Bernal[17], J. Bonner[18], L. Blaskey[10], C. Bradley[19], J. Collins[20], C. J. Ferretti[21], H. Farzadegan[22], E. Giarelli[23], M. Harvey[15], S. Hepburn[24], M. Herr[25], K. Kaparich[26], R. J. Landa[27], L. C. Lee[28], B. Levenseller[29], S. Meyerer[30], M. H. Rahbar[31], A. Ratchford[32], A. M. Reynolds[26], S. Rosenberg[2], J. Rusyniak[33], S. Shapira[34], K. S. Smith[35], M. C. Souders[36], P. A. Thompson[37], L. Young[38] and M. Yeargin-Allsopp[7], (1)National Center on Birth Defects and Developmental Disabilities, Centers for Disease Control and Prevention, Atlanta, GA, (2)University of Colorado Denver, Aurora, CO, (3)Kaiser Permanente Division of Research, Oakland, CA, (4)Johns Hopkins School of Public Health, Baltimore, MD, (5)Biomedical Research Informatics Core, Michigan State University, E. Lansing, MI, (6)Centers for Disease Control and Prevention, National Center on Birth Defects and Developmental Disabilities, Atlanta, GA, (7)Centers for Disease Control and Prevention, Atlanta, GA, (8)University of North Carolina, Chapel Hill, NC, (9)California Department of Public Health, Richmond, CA, (10)Children's Hospital of Philadelphia, Philadelphia, PA, (11)Colorado Dept of Public Health and Environment, Denver, CO, (12)Drexel University School of Public Health, Philadelphia, PA, (13)University of Pennsylvania School of Nursing and School of Medicine, Philadelphia, PA, (14)University of Colorado Denver School of Medicine, Aurora, CO, (15)National Center on Birth Defects, Atlanta, GA, (16)University of North Carolina, Chapel Hill, NC, (17)Kaiser Permanente, San Jose, CA, (18)Michigan State University, E. Lansing, MI, (19)University of North Carolina, Chapel Hill, NC, (20)Kaiser Permanente, Division of Research, Oakland, CA, (21)Center for Autism, Childrens Hospital of Philadelphia, Philadelphia, PA, (22)Department of Epidemiology, Johns Hopkins University Bloomberg School of Public Health, Baltimore, MD, (23)School of Nursing, University of Pennsylvania, Philadelphia, PA, (24)University of Colorado Denver, Anscutz Medical Campus, Aurora, CO, (25)University of North Carolina, Chapel Hill, NC, (26)University of Colorado Denver, Aurora, CO, (27)Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD, (28)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (29)University of Pennsylvania School of Nursing, Philadelphia, PA, (30)Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (31)Biostatistics, Epidemiology, Research Design (BERD) Core, Center for Clinical and Translational Sciences (CCTS), The University of Texas Health Science Center, Houston, TX, (32)Colorado Department of Public Health and Environment, Denver, CO, (33)Kennedy Krieger Institute and Department of Psychiatry and Behavioral Sciences, Johns Hopkins University School of Medicine, Baltimore, MD, (34)National Center on Birth Defects and Developmental Disabilities (NCBDDD), Atlanta, GA, (35)California Department of Public Health, Richmond, CA, (36)University of Pennsylvania/The Children's Hospital of Philadelphia, Swarthmore, PA, (37)Michigan State University, East Lansing, MI, (38)University of Pennsylvania, School of Nursing, Philadelphia, PA

2:00 ▸ 150 121.150 Demographic Profile of Families and Children Enrolled in the Study to Explore Early Development (SEED): A Case-Control Study of Autism Spectrum Disorder. C. DiGuiseppi[*1], J. L. Daniels[2], M. D. Fallin[3], S. Rosenberg[1], L. A. Schieve[4], K. C. Thomas[5], G. Windham[6], P. Bernal[7], L. A. Croen[8], L. C. Lee[9], L. Miller[10], J. A. Pinto-Martin[11] and D. E. Schendel[12], (1)University of Colorado Denver, Aurora, CO, (2)University of North Carolina, Chapel Hill, NC, (3)Johns Hopkins School of Public Health, Baltimore, MD, (4)Centers for Disease Control and Prevention, National Center on Birth Defects and Developmental Disabilities, Atlanta, GA, (5)University of North Carolina, Chapel Hill, NC, (6)California Department of Public Health, Richmond, CA, (7)Kaiser Permanente, San Jose, CA, (8)Kaiser Permanente, Division of Research, Oakland, CA, (9)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (10)Colorado Dept of Public Health and Environment, Denver, CO, (11)University of Pennsylvania School of Nursing and School of Medicine, Philadelphia, PA, (12)National Center on Birth Defects and Developmental Disabilities, Centers for Disease Control and Prevention, Atlanta, GA

3:00 ▸ 151 121.151 A School-based Prevalence Estimate of Autistic Symptoms in 3-8 Year Olds: Preliminary Results From Two Indian Cities. B. Chakrabarti[*1,2], A. Rudra[2], S. Banerjee[3], N. Singhal[4], M. Barua[4] and S. Mukerji[3], (1)Autism Research Centre, Department of Psychiatry, University of Cambridge, Cambridge, United Kingdom, (2)School of Psychology and Clinical Language Sciences, University of Reading, Reading, United Kingdom, (3)Creating Connections, Kolkata, India, (4)Action for Autism, National Centre for Autism, Delhi, India

1:00 152 121.152 The EARLI Study As a Resource for Autism Etiologic Research. C. J. Newschaffer[*1], L. A. Croen[2], M. D. Fallin[3], I. Hertz-Picciotto[4], H. Farzadegan[5] and D. Nguyen[6], (1)Drexel University School of Public Health, Philadelphia, PA, (2)Kaiser Permanente Division of Research, Oakland, CA, (3)Johns Hopkins School of Public Health, Baltimore, MD, (4)Public Health Sciences, M.I.N.D. Institute, UC Davis, Davis, CA, (5)Department of Epidemiology, Johns Hopkins University Bloomberg School of Public Health, Baltimore, MD, (6)UC Davis, Davis, CA

2:00 ▸ 153 121.153 A Pilot Project of Early Detection and Diagnosis of Autism Spectrum Disorders in a Public Children Hospital in Buenos Aires, Argentina. K. A. Gutson[*1,2], M. I. Colantonio Llambías[3], A. Rattazzi[4,5], N. Regatky[6], M. G. Salamanco[6] and I. M. Alfieri[7], (1)Pediatría. Hospital General de Niños, Dr. Ricardo Gutiérrez, Universidad de Buenos Aires, Buenos Aires, Argentina, (2)PANAACEA, Buenos Aires, Argentina, (3)Mental Health, Hospital de Niños, Buenos Aires, Argentina, (4)INECO, Caba, Buenos Aires, Argentina, (5)PANAACEA, CABA, Argentina, (6)Promoción y Protección de la Salud, Hospital de Niños, Dr. Ricardo Gutiérrez, Buenos Aires, Argentina, (7)Mental Health, Hospital de Niños, Dr. Ricardo Gutiérrez, Buenos Aires, Argentina

3:00 154 121.154 The Early Start Saga Model: Community-Based Health Check-Ups for Screening Infants and Toddlers with Autism Spectrum Disorder in Japan. T. Haramaki[*1] and T. Kuroki[2], (1)Graduate School of Cuture and Education, Saga University, Saga City, Japan, (2)Clinical Research Division, National Hospital Organization Hizen Psychiatric Center, Saga, Japan

1:00 155 121.155 Overview of Population-Based ASD Screening Studies in Europe: 20 Years After CHAT. P. Garcia Primo[1], A. Hellendoorn[2], S. Schjolberg[3] and E. Van Daalen[*4], (1)University of Salamanca, Salamanca, Spain, (2)Department of Educational Sciences, Utrecht University, Utrecht, Netherlands, (3)The Norwegian Institute of Public Health, Oslo, Norway, (4)Department of Child and Adolescent Psychiatry, University Medical Centre Utrecht, Utrecht, Netherlands

2:00 ▸ 156 121.156 Prevalence of Autism Spectrum Disorders in Children: A Review of International Population-based Studies. L. C. Lee[*1], R. A. Harrington[1] and C. E. Rice[2], (1)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (2)Centers for Disease Control and Prevention, National Center on Birth Defects and Developmental Disabilities, Atlanta, GA

3:00 157 121.157 Developing UK ASD Research Capacity: Regional and UK ASD Research Databases Include Children with Similar Characteristics. F. Warnell[*1], M. Johnson[2], H. McConachie[2] and J. Parr[1], (1)Institute of Neuroscience, Newcastle University, Newcastle upon Tyne, United Kingdom, (2)Institute of Health and Society, Newcastle University, Newcastle upon Tyne, United Kingdom

1:00 158 121.158 A Diverse Autism Registry for Etiologic and Effectiveness Studies: Prevalence and Demographic Characteristics. L. A. Croen[*1], M. A. Lutsky[1], V. M. Yau[1], Y. Qian[1], F. Lynch[2], K. Pearson[2], A. Owen-Smith[3], R. Davis[3], J. Cummings[4], K. Coleman[5], V. Quinn[5], K. Schenk[5], J. Madden[6] and M. Lakoma[6], (1)Kaiser Permanente Division of Research, Oakland, CA, (2)Kaiser Permanente Center for Health Research, Portland, OR, (3)Kaiser Permanente Center for Health Research Southeast, Atlanta, GA, (4)Emory University, Atlanta, GA, (5)Kaiser Permanente Research and Evaluation, Pasadena, CA, (6)Harvard Pilgrim Healthcare Institute, Boston, MA

2:00 159 121.159 Potential Effect of DSM-5 Diagnostic Criteria on ASD Prevalence Estimates. M. J. Maenner[*1], C. E. Rice[2], C. L. Arneson[1], A. V. Bakian[3], L. A. Carpenter[4], C. M. Cunniff[6], R. T. Fitzgerald[6], R. S. Kirby[7], L. Miller[8], C. Robinson[9], L. A. Schieve[2], K. Van Naarden Braun[10] and M. S. Durkin[11], (1)University of Wisconsin-Madison, Madison, WI, (2)Centers for Disease Control and Prevention, National Center on Birth Defects and Developmental Disabilities, Atlanta, GA, (3)University of Utah, Salt Lake City, UT, (4)Medical University of South Carolina, Charleston, SC, (5)University of Arizona College of Medicine, Tucson, AZ, (6)Washington University School of Medicine, St. Louis, MO, (7)University of University of South Florida, Tampa, FL, (8)Colorado Dept of Public Health and Environment, Denver, CO, (9)University of Colorado Denver School of Medicine, Aurora, CO, (10)Centers for Disease Control and Prevention, Atlanta, GA, (11)University of Wisconsin-Madison, Madison, WI

3:00 160 121.160 Sensitivity of Autism Spectrum Disorder Prevalence Estimates to Private and Home School Enrollment and Denominator Choice in North Carolina. A. E. Kalkbrenner[*1], S. Watkins[2], K. Hoffman[2], P. Bell[2] and J. L. Daniels[2], (1)Zilber School of Public Health, University of Wisconsin at Milwaukee, Milwaukee, WI, (2)Department of Epidemiology, University of North Carolina, Chapel Hill, NC

1:00 161 121.161 Does a Claims Diagnosis of Autism Mean a True Case?. J. Burke[*1], M. Kaiser[2], A. Jain[3], J. Marshall[3] and C. J. Newschaffer[4], (1)Optum Insight, Eden Prairie, MN, (2)Psychology, University of Miami, Miami, FL, (3)The Lewin Group, Falls Church, VA, (4)Drexel University School of Public Health, Philadelphia, PA

Poster Sessions
122 - Social Risk Factors and Influences on Phenotype
1:00 PM - 5:30 PM - Sheraton Hall

1:00 162 122.162 Driving and Young Adults with ASD: Parents' Experiences. N. B. Cox[*1], R. E. Reeve[2], S. M. Cox[3] and D. J. Cox[4], (1)Clinical and School Psychology, Curry School of Education at the University of Virginia, Charlottesville, VA, (2)Curry School of Education, Clinical and School Psychology, University of Virginia, Charlottesville, VA, (3)Curry School of Education, University of Virginia, Charlottesville, VA, (4)Departments of Psychiatric Medicine and Internal Medicine, University of Virginia, Charlottesville, VA

2:00 ▸ 163 122.163 Family Burden Among Latino Families with Children on the Autism Spectrum. K. Lopez[1] and S. Magana[*2], (1)Social Work & Developmental Psychology, University of Michigan, Ann Arbor, MI, (2)Waisman Center, University of Wisconsin-Madison, Madison, WI

3:00 164 122.164 The Effect of State Mental Health Parity Laws on Financial Burden and Unmet Needs for Children with Autism Spectrum Disorder. L. A. Bilaver[*1] and N. Jordan[2], (1)Institute for Healthcare Studies, Northwestern University, Chicago, IL, (2)Psychiatry and Behavioral Science, Northwestern University, Chicago, IL

1:00 165 122.165 Idiopathic Toe Walking in Autism Spectrum Disorders and Associated Clinical Features. L. B. Krantz[*1,2], T. N. Takahashi[3], K. Hughes[3], M. O. Mazurek[4] and K. Sohl[3], (1)University of Missouri School of Medicine, Columbia, MO, (2)Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO, (3)University of Missouri – Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO, (4)University of Missouri, Columbia, MO

2:00 166 122.166 Risk Factors in Autism Spectrum Disorders Are More Prevalent in Affected Females. D. A. Zachor[*1], S. Ben-Itzchak[2] and E. Ben Itzchak[3], (1)Tel Aviv University / Assaf Harofeh Medical Center, Zerifin, Israel, (2)The Genetic Institute, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel, (3)Communication Disorders, Ariel University Center of Samaria, Ariel, Israel

3:00 167 122.167 The Prevalence of Bullying in Children with Autism Spectrum Disorders. B. Zablotsky[*1], C. P. Bradshaw[1], C. M. Anderson[2] and P. A. Law[2], (1)Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (2)Medical Informatics, Kennedy Krieger Institute, Baltimore, MD

1:00 168 122.168 Maternal Exposure to Intimate Partner Abuse Prior to Birth Is Associated with Risk of Autism In Offspring. A. L. Roberts[*1], K. Lyall[2,3], J. W. Rich-Edwards[4], A. Ascherio[5] and M. G. Weisskopf[6], (1)Department of Society, Human Development, and Health, Harvard School of Public Health, Boston, MA, (2)Harvard School of Public Health, Boston, MA, (3)University of California, Davis, MIND Institute, Sacramento, CA, (4)Connors Center for Women's Health and Gender Biology, Brigham and Women's Hospital, Boston, MA, (5)Department of Epidemiology, Harvard School of Public Health, Boston, MA, (6)Department of Environmental Health, Harvard School of Public Health, Boston, MA

2:00 169 122.169 Regression Rates Differ According to the Operational Definition Employed and ASD Subgroup Status. B. Barger[*1], J. Campbell[2], A. Dubin[2] and J. Donald[2], (1)University of Georgia, Athens, GA, (2)University of Georgia, Athens, GA

3:00 ▸ 170 122.170 Migration and Autism Spectrum Disorders. C. Magnusson[*1], D. Rai[1,2], A. Goodman[3], M. Lundberg[1], S. Idring[1], A. Svensson[1], I. Koupil[4], E. Serlachius[5] and C. Dalman[1], (1)Department of Public Health Sciences, Karolinska Institutet, Stockholm, Sweden, (2)School of Social and Community Medicine, University of Bristol, Bristol, United Kingdom, (3)London School of Hygiene & Tropical Medicine, London, United Kingdom, (4)Stockholm University, Stockholm, Sweden, (5)Department of Clinical Neuroscience, Karolinska Institutet, Stockholm, Sweden

1:00 ▸ 171 122.171 Translation and Validation of Autism Screening and Diagnostic Tools in to Hindi and Bengali. A. Rudra[*1], S. Banerjee[2], N. Singhal[3], M. Barua[3], S. Mukerji[2] and B. Chakrabarti[1,4], (1)School of Psychology and Clinical Language Sciences, University of Reading, Reading, United Kingdom, (2)Creating Connections, Kolkata, India, (3)Action for Autism, National Centre for Autism, Delhi, India, (4)Autism Research Centre, Department of Psychiatry, University of Cambridge, Cambridge, United Kingdom

2:00 ▸ 172 122.172 Parent-Teacher Agreement on An Autism Screener in An Underserved Preschool Population. J. Harris[*1], Y. Janvier[2], L. Walpin[3] and L. Blann[4], (1)Children's Specialized Hospital, Mountainside, NJ, (2)Children's Specialized Hospital, Toms River, NJ, (3)Medical, Children's Specialized Hospital, Hamilton, NJ, (4)Medical, Children's Specialized Hospital, Toms River, NJ

3:00 173 122.173 Underdiagnosis of Autism Spectrum Disorders in Individuals with Intellectual Disabilities. H. Roeyers[*] and M. Thys, Department of Experimental Clinical and Health Psychology, Ghent University, Ghent, Belgium

1:00 ▸ 174 122.174 Racial Disparity in Administrative Autism Identification Across the United States From 2000 to 2007. E. A. Boutot[*1] and J. Travers[2], (1)Special Education, Texas State University, Austin, TX, (2)Department of Student Development, University of Massachusetts, Amherst, MA

2:00 175 122.175 Knowledge of Autism in Parents of Typically-Developing Children. L. C. Newell[*1] and L. Knight[2], (1)Psychology, Indiana University of Pennsylvania, Indiana, PA, (2)Psychology, Indiana University of PA, Indiana, PA

3:00 176 122.176 Autistic Traits in Patients within Secure Forensic Mental Health Settings. E. L. Woodhouse[1], K. L. Ashwood[*1], A. Hammon[1], S. Young[2], D. Perkins[3], D. G. Murphy[2] and P. Asherson[4], (1)Social, Genetic and Developmental Psychiatry, Institute of Psychiatry, King's College, London, United Kingdom, (2)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College, London, United Kingdom, (3)Department of Psychology, Broadmoor Hospital, Berkshire, United Kingdom, (4)MRC Social, Genetic and Developmental Psychiatry, Institute of Psychiatry, Kings College, London, United Kingdom

1:00 177 122.177 Assessing Medication Adherence in Autism Spectrum Disorders. S. L. Logan[*1], J. S. Nicholas[1], L. B. King[2], J. Charles[2], W. Jenner[2] and L. A. Carpenter[2], (1)Medicine, Medical University of South Carolina, Charleston, SC, (2)Pediatrics, Medical University of South Carolina, Charleston, SC

2:00 ▸ 178 122.178 Autism Spectrum Disorders in India: A Comprehensive Review of the Literature. T. C. Daley[*1], N. Singhal[2] and M. Barua[2], (1)Westat, Durham, NC, (2)Action for Autism, National Centre for Autism, Delhi, India

3:00 ▸ 179 122.179 Cultural Influences On the Expression for Autistic Phenotype In Indian and North American Populations. S. Basu[*1], S. Nusrat[2], J. Basu[2] and M. K. Belmonte[3], (1)S. N. Pradhan Center for Neurosciences, University of Calcutta, Kolkata, India, (2)Applied Psychology, University of Calcutta, Kolkata, India, (3)Cornell University, Ithaca, NY

1:00 180 122.180 Sex Differences in Extended Pedigrees with ASD. A. Thompson[*1], P. Szatmari[1], V. Vieland[2], J. Piven[3], B. A. Fernandez[4], K. Walters[5], M. C. Parlier[6], I. O'Connor[1] and K. Whitten[7], (1)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (2)Battelle Center for Mathematical Medicine, The Research Institute at Nationwide Children's Hospital & The Ohio State University, Columbus, OH, (3)The Carolina Institute for Developmental Disabilities, University of North Carolina, Chapel Hill, NC, (4)Disciplines of Genetics and Medicine, Memorial University of Newfoundland and Provincial Medical Genetics Program, Eastern Health, St. John's, NF, Canada, (5)Battelle Center for Mathematical Medicine, Nationwide Children's Hospital, Columbus, OH, (6)Psychiatry, University of North Carolina, Chapel Hill, NC, (7)Patient Research Centre, Eastern Health Centre, St. John's, NF, Canada

2:00 181 122.181 Autism Spectrum Disorders & Regression: Findings From a Population Based Study. H. Patel[*], J. Shenouda and W. Zahorodny, Pediatrics, UMDNJ-New Jersey Medical School, Newark, NJ

3:00 182 122.182 Maternal Psychiatric History: Implications for Autism Severity. E. Allain[*], C. M. Brewton, E. Gonzalez and G. T. Schanding, School Psychology, University of Houston, Houston, TX

1:00 183 122.183 Prevalence of Comorbid Psychiatric Conditions In Men and Women with Autism Spectrum Disorder. A. Shahidiani[*1,2], C. M. Murphy[3,4], C. Ecker[5], E. C. Wilson[1], N. Gillan[1], S. Coghlan[3], D. Spain[3], G. Roberts[3], M. A. Mendez[6], N. Hammond[7], D. M. Robertson[3] and D. G. Murphy[5], (1)Forensic and Developmental Neuroscience, Institute of Psychiatry, King's College, London, United Kingdom, (2)Centre for Neuroimaging Sciences, King's College, London, United Kingdom, (3)Behavioural Genetics Clinic, Maudsley Hospital, London, United Kingdom, (4)Forensic and Neurodevelopmental Sciences, King's College, Institute of Psychiatry, London, United Kingdom, (5)Forensic and Neurodevelopmental Sciences, King's College, Institute of Psychiatry, London, United Kingdom, (6)Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College, London, United Kingdom, (7)South London and Maudsley NHS Foundation Trust, London, United Kingdom

2:00 ▸ 184 122.184 Relationship Between the Quality of the Home Environment and Developmental Status of Children with Autistic Disorder in Jamaica. M. Samms-Vaughan[*], J. A. T. Reece, S. Pellington and S. C. Smile, Department of Child Health, The University of the West Indies, Kingston 7, Jamaica

3:00 185 122.185 Use of a Large Administrative Dataset to Examine Health Outcomes in Children with Autism Spectrum Disorders. D. Spencer[*1], J. Marshall[2], T. Dennen[2], G. Yang[2], C. J. Newschaffer[3], L. J. Lawer[4] and A. Jain[2], (1)Health Economics and Outcomes Research, Optum Insight, Eden Prairie, MN, (2)The Lewin Group, Falls Church, VA, (3)Drexel University School of Public Health, Philadelphia, PA, (4)University of Pennsylvania, Philadelphia, PA

1:00 186 122.186 Covariates Associated with Dental Problems in Children with Autism Spectrum Disorders. O. Ly-Mapes[*1,2], J. M. Karp[1], T. Smith[3] and S. L. Hyman[3], (1)Division of Pediatric Dentistry, Eastman Institute for Oral Health, Rochester, NY, (2)University of Rochester Medical Center, Rochester, NY, (3)Neurodevelopmental and Behavioral Pediatrics, University of Rochester Medical Center, Rochester, NY

2:00 187 122.187 Telehealth-Based Systems for Diagnosis, Management and Treatment of Autism Spectrum Disorders. F. Angjellari-Dajci[*], MCG, Martinez, GA

3:00 ▸ 188 122.188 Evidence of Increasing Socioeconomic Disparity in the Prevalence of Autism Spectrum Disorder Among U.S. Children. M. S. Durkin[*1], M. J. Maenner[2], C. L. Arneson[1], C. DiGuiseppi[3], M. S. Wingate[4], C. E. Rice[5], S. Pettygrove[6], L. C. Lee[7], J. N. Constantino[8], R. Fitchgerald[9], J. Nichols[10] and L. A. Schieve[5], (1)University of Wisconsin, Madison, WI, (2)Waisman Center, University of Wisconsin, Madison, WI, (3)University of Colorado Denver, Aurora, CO, (4)University of Alabama, Birmingham, AL, (5)Centers for Disease Control and Prevention, National Center on Birth Defects and Developmental Disabilities, Atlanta, GA, (6)University of Arizona, Tucson, AZ, (7)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (8)Washington University School of Medicine, Saint Louis, MO, (9)Washington University, St. Louis, MO, (10)Medical University of South Carolina, Charleston, SC

Poster Sessions
123 - Use, Access and Evaluation of Services
1:00 PM - 5:30 PM - Sheraton Hall

1:00 189 123.189 The Influence of Parents and Researchers on Policy-Making for Children with Autism Spectrum Disorders in Canada. C. Waddell[*], C. Shepherd and S. Gatto, Simon Fraser University, Vancouver, BC, Canada

2:00 ▸ 190 123.190 Evaluation of a 5 Day Autism Training Model in India. C. Flint[*1], K. Hench[1], K. Johnsen[2] and J. Salt[2], (1)Aaction Autism, Park Ridge, IL, (2)HAVE Dreams, Park Ridge, IL

3:00 191 123.191 An Exploration of Families' Motivations for Participating in Genetic Research for Autism. M. Trottier[*1], W. Roberts[2], I. E. Drmic[3], S. W. Scherer[4], R. Weksberg[5], C. Cytrynbaum[6], D. Chitayat[7], C. Shuman[6] and F. A. Miller[8], (1)Hospital for Sick Children, University of Toronto, Toronto, ON, Canada, (2)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (3)Autism Research Unit, Hospital for Sick Children, Toronto, ON, Canada, (4)University of Toronto, Toronto, ON, Canada, (5)The Hospital for Sick Children, Toronto, ON, Canada, (6)Hospital for Sick Children, Toronto, ON, Canada, (7)Mount Sinai Hospital, Toronto, ON, Canada, (8)University of Toronto, Toronto, ON, Canada

1:00 192 123.192 Autism Genomics Research Is Not Only about Autism Genomics: A Qualitative Study of Parent Participants. R. Z. Hayeems[*], F. A. Miller and J. P. Bytautas, University of Toronto, Toronto, ON, Canada

2:00 193 123.193 Positive Partnerships: The Parent Advisor Model of Participatory Research with Parents of Children with ASD. B. E. Drouillard[*1], M. N. Gragg[1], H. E. Jones[2], R. T. Miceli[3], D. D. Barrie[1] and L. K. Miron[2], (1)Psychology, University of Windsor, Windsor, ON, Canada, (2)The Summit Centre for Preschool Children with Autism, Windsor, ON, Canada, (3)St. Clair College, Windsor, ON, Canada

3:00 194 123.194 Parents' Perspectives on Screening for Developmental Disabilities Including Autism At 12-Month Preventative Care Visits. E. Crais[*1], C. McComish[2], B. P. Humphreys[3], L. R. Watson[4], G. T. Baranek[5], J. S. Reznick[6], R. Christian[7] and M. Earls[8], (1)Speech & Hearing Sciences, University of North Carolina, Chapel Hill, NC, (2)Division of Speech & Hearing Sciences, University of North Carolina, Chapel Hill, NC, (3)University of New Hampshire, Durham, NH, (4)Speech and Hearing Sciences, University of North Carolina, Chapel Hill, NC, (5)Occupational Science, University of North Carolina, Chapel Hill, NC, (6)Psychology, University of North Carolina, Chapel Hill, NC, (7)Carolina Institute for Developmental Disabilities, University of North Carolina, Chapel Hill, NC, (8)Guildford Child Health, Greensboro, NC

1:00 195 123.195 A Pilot Project for Using the Screening Tool for Autism in Toddlers and Young Children As Part of An Intake Process. A. Kirby[*1] and N. R. Powers[2], (1)Psychology, Greenville Hospital System Children's Hospital, Greenville, SC, (2)Developmental Behavioral Pediatrics, Greenville Hospital System Children's Hospital, Greenville, SC

WITHDRAWN

2:00 196 123.196 Outcomes of Early Intervention for Families of a Child with ASD: Perceptions of Parents and Professionals. B. Elbaum[*1], D. M. Noyes-Grosser[2], S. R. Rosas[3], R. G. Romanczyk[4], E. H. Callahan[4] and R. L. Carter[5], (1)University of Miami, Coral Gables, FL, (2)Bureau of Early Intervention, New York State Department of Health, Albany, NY, (3)Concept Systems, Inc., Ithaca, NY, (4)Institute for Child Development, State University of New York at Binghamton, Binghamton, NY, (5)Population Health Observatory, University at Buffalo, Buffalo, NY

3:00 197 123.197 Investigating the Efficacy of Parent Training Service Delivery Models. A. L. Wainer[*] and B. Ingersoll, Psychology, Michigan State University, East Lansing, MI

1:00 198 123.198 Conceptualizing Early Intervention Outcomes for Young Children with ASDs and Their Families. D. M. Noyes- Grosser[*1], S. R. Rosas[2], R. G. Romanczyk[3], B. Elbaum[4], E. H. Callahan[3] and R. L. Carter[5], (1)New York State Department of Health, Albany, NY, (2)Concept Systems, Inc., Ithaca, NY, (3)Institute for Child Development, State University of N.Y. at Binghamton, Binghamton, NY, (4)University of Miami, Coral Gables, FL, (5)Population Health Observatory, University at Buffalo, Buffalo, NY

2:00 199 123.199 Adherence and Psychological Evaluation Recommendations for Young Children with ASD. C. R. Newsom[*1,2], A. Vehorn[3,4], E. H. Dohrmann[5], J. L. Taylor[6,7] and Z. Warren[2,8], (1)TRIAD, Vanderbilt Kennedy Center, Nashville, TN, (2)Pediatrics, Vanderbilt University, Nashville, TN, (3)TRIAD, Vanderbilt Kennedy Center, Nashville, TN, (4)Vanderbilt University, Nashville, TN, (5)TRIAD, Vanderbilt University, Nashville, TN, (6)Vanderbilt Kennedy Center, Nashville, TN, (7)Special Education, Vanderbilt University, Nashville, TN, (8)TRIAD, Vanderbilt Kennedy Center, Nashville, TN

3:00 200 123.200 Treatment Adherence in Families of Children Diagnosed with Autism Spectrum Disorders. R. Hock[*1], A. Kinsman[2], T. P. Cross[3] and J. Kellett[3], (1)College of Social Work, University of South Carolina, Columbia, SC, (2)Greenville Hospital System, Greenville, SC, (3)University of South Carolina, Columbia, SC

1:00 ▸ 201 123.201 Assessing and Responding to Autism in Underserved Populations. M. M. McCloat[*], Autism Speaks and College of the Holy Cross, Easton, CT

2:00 202 123.202 Service Use and Needs Among People with ASD During the Transitional Years From Adolescence to Young Adulthood. H. L. Hayward[*1], N. Gillan[1], T. Cadman[1], H. Eklund[1], D. Howley[1], J. Findon[1], H. Clarke[1], J. Beecham[2], K. Xenitidis[3], D. G. Murphy[1], P. Asherson[4] and K. Glaser[5], (1)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College, London, United Kingdom, (2)Personal Social Services Research Unit at the LSE, London School of Economics and Political Science, London, United Kingdom, (3)Adult Attention Deficit Hyperactivity Disorder (ADHD) Service, South London and Maudsley NHS Trust, London, United Kingdom, (4)MRC Social, Genetic and Developmental Psychiatry, Institute of Psychiatry, Kings College, London, United Kingdom, (5)Department of Gerontology, Kings College, London, United Kingdom

3:00 203 123.203 Increased Emergency Department Use for Mental Health Problems Among Children with Autism Spectrum Disorders: A Population-based Study. L. Kalb[*1], R. A. Vasa[2], E. Stuart[3], B. H. Freedman[4] and B. Zablotsky[5], (1)Kennedy Krieger Institute, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD, (3)Johns Hopkins School of Public Health, Baltimore, MD, (4)University of Delaware, Newark, DE, (5)Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

1:00 204 123.204 Children with Autism Spectrum Disorders and Utilization of Emergency Department Services. Y. Lu, K. Smith[*], M. Kipke and L. Yin, Pediatrics, Keck School of Medicine of USC, Los Angeles, CA

2:00 205 123.205 Predictors of Inpatient Admission for Adults with and without Autism Spectrum Disorders. C. A. McMorris[*1], A. M. Palucka[2], P. Raina[2] and Y. Lunsky[3], (1)Clinical-Developmental Psychology, York University, Toronto, ON, Canada, (2)Dual Diagnosis Program, Centre for Addiction and Mental Health, Toronto, ON, Canada, (3)Dual Diagnosis Program, Centre for Addiction and Mental Health, Toronto, ON, Canada

3:00 206 123.206 The Medical Home: Impact on Children with Autism Spectrum Disorders and Their Families. J. E. Farmer[*1], M. J. Clark[1], W. A. Mayfield[1], N. C. Cheak-Zamora[2], J. K. Law[3], A. R. Marvin[4] and P. A. Law[3], (1)Thompson Center for Autism & Neurodevelopmental Disorders, University of Missouri, Columbia, MO, (2)Department of Health Sciences, University of Missouri, Columbia, MO, (3)Medical Informatics, Kennedy Krieger Institute, Baltimore, MD, (4)Kennedy Krieger Institute, Baltimore, MD

1:00 207 123.207 Parent and Physician Perceptions of Medical Home Needs for Children with Autism in Kentucky. P. G. Williams[*1], S. D. Tomchek[2] and R. Grau[3], (1)University of Louisville, Louisville, KY, (2)Weisskopf Child Evaluation Center, Louisville, KY, (3)Education, University of Louisville, Louisville, KY

2:00 208 123.208 Family Experience of Navigating Systems of Care for Young Persons with Autism. D. McConnell[*1], S. Hodgetts[2], D. B. Nicholas[3] and L. Zwaigenbaum[4], (1)Occupational Therapy, University of Alberta, Edmonton, AB, Canada, (2)Pediatrics, University of Alberta, Edmonton, AB, Canada, (3)University of Calgary, Edmonton, AB, Canada, (4)University of Alberta, Edmonton, AB, Canada

3:00 209 123.209 Development of the Pathways Autism Services Log (PASL). R. A. Stock[*1], J. Volden[2], S. Georgiades[3], M. Alexander[4], T. Bennett[3], L. Colli[5], K. MacLeod[6], I. O'Connor[3], C. Shepherd[7], M. Steiman[8], P. Szatmari[3], S. E. Bryson[9], E. Fombonne[8], P. Mirenda[10], W. Roberts[11], I. M. Smith[9], T. Vaillancourt[12], C. Waddell[13] and L. Zwaigenbaum[2], (1)University of British Columbia, North Vancouver, BC, Canada, (2)University of Alberta, Edmonton, AB, Canada, (3)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (4)Glenrose Rehabilitation Hospital, Edmonton, AB, Canada, (5)McMaster University, Welland, ON, Canada, (6)Isaak Walton Killam Hospital, Halifax, NS, Canada, (7)Children's Health Policy Centre, Simon Fraser University, Vancouver, BC, Canada, (8)Montreal Children's Hospital, Montreal, QC, Canada, (9)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (10)University of British Columbia, Vancouver, BC, Canada, (11)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (12)University of Ottawa, Ottawa, ON, Canada, (13)Simon Fraser University, Vancouver, BC, Canada

1:00 210 123.210 Canadian Services for Young Children with Autism Spectrum Disorder (ASD): A Preliminary Overview. J. Volden[*1], S. Georgiades[2], M. Alexander[3], T. Bennett[2], L. Colli[4], K. MacLeod[5], I. O'Connor[2], C. Shepherd[6], M. Steiman[7], R. A. Stock[8], P. Szatmari[2], S. E. Bryson[9], E. Fombonne[10], P. Mirenda[11], W. Roberts[12], I. M. Smith[9], T. Vaillancourt[13], C. Waddell[14], L. Zwaigenbaum[1] and T. Pathways in ASD Study Team[15], (1)University of Alberta, Edmonton, AB, Canada, (2)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (3)Glenrose Rehabilitation Hospital, Edmonton, AB, Canada, (4)McMaster University, Welland, ON, Canada, (5)Isaak Walton Killam Hospital, Halifax, NS, Canada, (6)Children's Health Policy Centre, Simon Fraser University, Vancouver, BC, Canada, (7)Montreal Children's Hospital, Montreal, QC, Canada, (8)University of British Columbia, North Vancouver, BC, Canada, (9)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (10)McGill University, Montreal, QC, Canada, (11)University of British Columbia, Vancouver, BC, Canada, (12)University of Toronto, Toronto, ON, Canada, (13)University of Ottawa, Ottawa, ON, Canada, (14)Simon Fraser University, Vancouver, BC, Canada, (15)McMaster University, Hamilton, ON, Canada

2:00 211 123.211 Parents' and Professionals' Perspectives on Autism Services in Alberta. S. Hodgetts[*1], L. Zwaigenbaum[1] and D. B. Nicholas[2], (1)University of Alberta, Edmonton, AB, Canada, (2)University of Calgary, Edmonton, AB, Canada

3:00 212 123.212 An Updated Evaluation of the Autism Ontario Realize Community Potential Program. M. Thompson[1], J. H. Schroeder[*2], J. M. Bebko[2], M. Spoelstra[1], S. Duhaime[1], K. Manuel[1] and L. Verbeek[1], (1)Autism Ontario, Toronto, ON, Canada, (2)Department of Psychology, York University, Toronto, ON, Canada

1:00 213 123.213 Outcomes of a Specialized Inpatient Psychiatric Hospital Care for Pediatric Patients with Autism Spectrum Disorders. R. L. Gabriels[*1,2], J. A. Agnew[3], C. Beresford[4,5], J. Barnes[5] and C. Karlsson[6], (1)University of Colorado Denver and Health Sciences Center, Aurora, CO, (2)Psychiatry, Childrens Hospital Colorado, Aurora, CO, (3)Children's Hospital Colorado, The University of Colorado at Denver and Health Sciences Center, Aurora, CO, (4)The University of Colorado Denver and Health Sciences Center, Aurora, CO, (5)Children's Hospital Colorado, Aurora, CO, (6)Psychiatry, Children's Hospital Colorado, Aurora, CO

2:00 214 123.214 Autism Comes to the Hospital: Experiences of Hospital Care From the Perspectives of Children and Adolescents with Autism Spectrum Disorders, Their Parents and Health Care Providers. B. Muskat[*1], D. B. Nicholas[2], W. Roberts[3], K. Stoddart[4], L. Zwaigenbaum[5] and P. Burnham Riosa[6], (1)Hospital for Sick Children, Toronto, ON, Canada, (2)University of Calgary, Edmonton, AB, Canada, (3)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (4)Redpath Centre, Toronto, ON, Canada, (5)University of Alberta, Edmonton, AB, Canada, (6)Department of Social Work, The Hospital for Sick Children, Toronto, ON, Canada

3:00 215 123.215 Evaluating S.A.F.F.E. A Program for Families with Children Who Have ASD. T. Todd[*1] and G. Rieck[2], (1)California State University, Chico, CA, (2)Kinesiology, California State University, Chico, CA

1:00 216 123.216 Do Physicians and Parents Communicate about Complementary and Alternative Treatments for Children with Autism Spectrum Disorders?. A. M. L. Wilms Floet[*1], K. Kosztyo[2], A. Moylan[3], K. Boswell[4] and L. Kalb[5], (1)Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD, (2)Loyola University of Maryland, Baltimore, MD, (3)University of Maryland, Baltimore, MD, (4)Kennedy Krieger Institute, Baltimore, MD, (5)Kennedy Krieger Institute, Baltimore, MD

FRIDAY May 18, 2012 – AM

<table>
<tr><td>6:30-5:00P</td><td colspan="4">Registration – Lower Concourse</td></tr>
<tr><td>7:00-8:30A</td><td colspan="4">Coffee & Pastries – Grand Ballroom Foyer</td></tr>
<tr><td>7:00-8:30A</td><td>SIG – Dominion Ballroom South</td><td>SIG – Dominion Ballroom North</td><td>SIG – Osgoode Ballroom East</td><td>SIG – VIP Room</td></tr>
<tr><td>8:00-5:00P</td><td colspan="4">Exhibits – Sheraton Hall</td></tr>
<tr><td>8:45-9:00A</td><td colspan="4">Introduction: NIH – Grand Ballroom</td></tr>
<tr><td>9:00-9:45A</td><td colspan="3">Keynote Address: Bernie Devlin - Common and Rare Genetic Variants in the Etiology of ASD: Where Is the Field Heading?– Grand Ballroom</td><td rowspan="3">8:00-12:30P
Sheraton Hall
Innovative Technologies Demonstration Session</td><td rowspan="3">8:00-12:30P
Poster Session – Sheraton Hall
Electrophysiology: Early Signs
Social Skills, Schools, Stress
Early Intervention
Pharmacologic, Treatment Factors, Outcome Measures</td></tr>
<tr><td>9:45-10:15A</td><td colspan="3">Break – Sheraton Hall</td></tr>
<tr><td>10:15-12:15P</td><td colspan="3">IES – Grand Ballroom Centre
Biology-based Classification and Prediction in Autism Spectrum Disorders: Promises and Pitfalls</td></tr>
<tr><td>10:15-12:15P</td><td>Oral Session – Grand Ballroom East
Genetics I</td><td>Oral Session – Grand Ballroom West
Brain Imaging: fMRI-Cognition, Motion Perception and Function, and Reward Processing</td><td>Oral Session – Osgoode Ballroom East
Epidemiology</td></tr>
<tr><td>12:15-1:30P</td><td colspan="3">Lunch Break – On Your Own</td><td></td></tr>
<tr><td>12:15-1:30P</td><td colspan="3">Student “Meet-the-Experts” Luncheon (pre-registration required) – Dominion Ballroom South</td><td></td></tr>
<tr><td>12:15-1:30P</td><td colspan="3">Autism Community Stakeholders Luncheon – Dominion Ballroom North</td><td></td></tr>
</table>

Special Interest Groups (SIGs)

7:00 AM - 8:30 AM
Location listed under each session
Final SIG – last year in multiple year rotation

New SIG: Global Knowledge Translation for Research on Early Identification and Intervention in Autism

Co-Chairs: Dr. Mayada Elsabbagh, *McGill University and* Dr. Petrus de Vries*, University of Cape Town*

Dominion Ballroom South

There is increasing appreciation of the need to enhance research impact through the iterative and dynamic process of knowledge translation: The synthesis, dissemination, exchange, and application of knowledge to improve quality of life for people affected by autism. This SIG will initiate dialogue, identifying knowledge gaps, barriers, and action priorities with a particular emphasis on global knowledge translation in the area of early identification and intervention for autism.

Final SIG: Sleep in Autism

Co-Chairs: Beth Malow, M.D., M.S., *Vanderbilt University and* Amanda Richdale, Ph.D., *LaTrobe University*

Dominion Ballroom North

This year's Sleep SIG will focus on brief presentations related to etiology and interventions for sleep disturbances in ASD. We would like to include trainees and junior faculty in these presentations, with commentaries from mid-level and senior investigators to stimulate discussion among the group. Please contact beth.malow@vanderbilt.edu if you are interested in presenting. As this is the last year of our SIG, we will also explore opportunities for continued collaboration and networking.

Final SIG: Contextually-based Intervention Research in ASD

Co-Chairs: Laura Anthony, Ph.D. *and* Lauren Kenworthy, Ph.D.*, Children's National Medical Center*

Osgoode Ballroom East

In our final year as an IMFAR SIG, we hope to develop: an educational symposium for the 2013 IMFAR, a publication following the symposium, and a mechanism to continue collaboration in the future. The symposium and paper would address issues unique to conducting contextually-based intervention research in autism in terms of what has been learned to date: methodologies and limitations; conceptual breakthroughs; and existing controversies and future directions.

Final SIG: Postmortem Brain Tissue Research in Autism

Co-Chairs: Cyndi Schumann, Ph.D.*, UC Davis MIND Institute and* Robert Ring, Ph.D.*, Autism Speaks*

VIP Room

The limited availability of high-quality postmortem brain tissue is arguably the most pressing issue facing of the tissue-based research community in autism today. A crisis has emerged as demands for tissue from a rapidly growing research community have begun to outstrip current resources. This SIG will be focused on exploring innovative approaches to address this crisis and improving the scale,

quality and diversity of the field's current postmortem tissue collection. Specifically, a proposed network-based model for improving the collection, processing, storage and distribution of tissue will be presented for public discussion.

Keynote Address
124 - Common and Rare Genetic Variants in the Etiology of ASD: Where Is the Field Heading?
9:00 AM - 9:45 AM - Grand Ballroom

Speaker: B. Devlin; *University of Pittsburgh School of Medicine*

This presentation will summarize our current understanding of the genetic architecture of ASD, focusing on recent studies from the Simons Simplex Collection and the Autism Genome Project, highlighting the role of common and rare genetic variants. Important evidence gaps will be identified and exciting new approaches outlined that might address those gaps. The potential for translation of these findings into changes in clinical practice will also be described.

Invited Educational Symposium
125 - Biology-based Classification and Prediction in Autism Spectrum Disorders: Promises and Pitfalls
10:15 AM - 12:15 PM - Grand Ballroom Centre

Session Chair: N. Lange; *Harvard University Schools of Medicine & Public Health*

The symposium will teach participants the basics of a wide variety of quantitative methods in present use, as well as potential future directions of this burgeoning research area, guided by leading researchers and educators in autism psychiatry, genetics, imaging and behavioral-cognitive measures. Each speaker will be knowledgeable in broader aspects of this field beyond their own scientific and clinical contributions, and be excellent teachers of general audiences with diverse backgrounds. Their intentions will be, as the title indicates, two-fold: promises and pitfalls. Ethical reporting issues involving scientists, parents and individuals with the disorder, and the media, will also be addressed.

10:15 ▸ 125.001 Critical Clinical Needs in Classification and Prediction for Older Children, Adolescents and Adults with Autism. J. E. Lainhart*, Psychiatry, University of Utah, Salt Lake City, UT

10:45 125.002 Analysis of Imaging Patterns Using Pattern Recognition Methods: Application to Development of Imaging-based Biomarkers for Autism. C. Davatzikos*, Radiology, University of Pennsylvania, Philadelphia, PA

11:15 125.003 A Cognitive Neuroscience Approach to the Early Identification of Autism. C. A. Nelson*, Laboratories of Cognitive Neuroscience, Children's Hospital Boston/Harvard Medical School, Boston, MA

11:45 ▸ 125.004 Biology-based Candidate Intermediate Phenotypes In Autism Research: Hope or Hype?. N. J. Minshew*, Psychiatry & Neurology, University of Pittsburgh, Pittsburgh, PA

Oral Sessions
126 - Genetics I
10:15 AM - 12:15 PM - Grand Ballroom East

10:15 126.001 Results of the PGC Autism GWAS and Combined Autism-Schizophrenia Meta-Analysis: SNPs in Three Regions Are Associated with ASD and Schizophrenia. S. L. Santangelo*, Center for Human Genetic Research, Harvard Medical School/Massachusetts General Hospital, Boston, MA; Epidemiology, Harvard School of Public Health, Boston, MA; Autism Working Group, Psychiatric GWAS Consortium, Boston, MA; Schizophrenia Working Group, Psychiatric GWAS Consortium, Boston, MA

10:30 126.002 Use of Common Genetic Variants to Identify Risk of Autism in Siblings of Children Diagnosed with Autism Spectrum Disorders. F. Liebaert*[1], B. A. Dombroski[2], G. D. Schellenberg[2], T. Rio Frio[1], J. Carayol[1], C. Amiet[1,3], B. Génin[1], C. Vazart[1], K. Fontaine[1], C. Marcaillou[1], F. Rousseau[1], E. Couchon[4] and G. Dawson[5], (1)IntegraGen SA, Evry, France, (2)Department of Pathology and Laboratory Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA, (3)Service de Psychiatrie de l'Enfant et de l'Adolescent, APHP, GHU Pitié-Salpêtrière, Paris, France, (4)IntegraGen, Inc, Cambridge, MA, (5)University of North Carolina, Autism Speaks, Chapel Hill, NC

10:45 126.003 Variable Phenotypic Expressivity of Specific Copy Number Variants and Single Gene Mutations in Autism and Other Neurodevelopmental Disorders. S. M. Myers*[1,2], A. Moreno de Luca[2], T. D. Challman[1], G. S. Gerhard[2], D. W. Evans[3], P. T. Orr[2] and D. H. Ledbetter[2], (1)Neurodevelopmental Pediatrics, Geisinger Health System, Danville, PA, (2)Genomic Medicine, Geisinger Health System, Danville, PA, (3)Bucknell University, Lewisburg, PA

11:00 126.004 Genetic Study of Asperger Syndrome and Autism Cases That Segregate in a Brazilian Family. C. M. Ribeiro*[1], V. N. Takahashi[2], D. P. Moreira[1], M. G. Rodrigues[1], K. Griesi-Oliveira[1], C. Rosenberg[1], D. R. Bertola[1], E. Vasdasz[3] and M. R. Passos-Bueno[1], (1)Department of Genetics and Evolutionary Biology, University São Paulo, Biosciences Institute, São Paulo, Brazil, (2)Human Genome Center, University of São Paulo, São Paulo, Brazil, (3)Department of Psychiatry Faculty of Medicine, Institute of Psychiatry, Hospital of the Faculty of Medicine, University of São Paulo, São Paulo, Brazil

11:15 126.005 Shared Neuronal Pathways Affected by Common and Rare Variants in Autism Spectrum Disorders. E. Ben-David* and S. Shifman, The Hebrew University of Jerusalem, Jerusalem, Israel

11:30 126.006 New Insights Into Autism From the Candidate Genes-Centered Interactome. R. Corominas*[1], X. Yang[2,3], G. N. Lin[1], S. Kang[4], Y. Shen[2,3], S. A. Wanamaker[2,3], S. Tam[2,3], M. Rodriguez[2,3], M. Broly[2,3], J. Sebat[4], K. Salehi-Ashtiani[2,3], D. E. Hill[2,3], M. Vidal[2,3], T. Hao[2,3] and L. M. Iakoucheva[1], (1)Department of Psychiatry, University of California San Diego, La Jolla, CA, (2)Center for Cancer Systems Biology (CCSB) and Department of Cancer Biology, Dana-Farber Cancer Institute, Boston, MA, (3)Department of Genetics, Harvard Medical School, Boston, MA, (4)Psychiatry, University of California, San Diego, CA

11:45 126.007 Identification of Protein Subnetworks Implicated in Autism Spectrum Disorders (ASD). C. Correia[*1,2], Y. Diekmann[2], J. B. Pereira-Leal[2], G. Oliveira[3] and A. M. Vicente[1,2], (1)Instituto Nacional de Saúde Dr. Ricardo Jorge, Lisboa, Portugal, (2)Instituto Gulbenkian de Ciência, Oeiras, Portugal, (3)Hospital Pediátrico de Coimbra, Coimbra, Portugal

12:00 126.008 Gene Network Analysis of Autism and Autoimmue Disorders. J. Y. Jung[*1] and D. P. Wall[2], (1)Harvard Medical School, Boston, MA, (2)Pathology/Center for Biomedical Informatics, Harvard Medical School, Boston, MA

Oral Sessions
127 - Brain Imaging: fMRI Cognition, Motion Perception and Function, and Reward Processing
10:15 AM - 12:15 PM - Grand Ballroom West

10:15 127.001 Using Visual Strategies to Remember Verbal Information: An fMRI Study of Working Memory in Children with and without Autism. E. J. Carter[*1,2], D. L. Williams[3], J. F. Lehman[4] and N. J. Minshew[5], (1)Robotics Institute, Carnegie Mellon University, Pittsburgh, PA, (2)Psychology, Carnegie Mellon University, Pittsburgh, PA, (3)Speech-Language Pathology, Duquesne University, Pittsburgh, PA, (4)Computer Science, Carnegie Mellon University, Pittsburgh, PA, (5)Psychiatry & Neurology, University of Pittsburgh, Pittsburgh, PA

10:30 127.002 Increased Attentional Activation During Reading in ASC: An fMRI Study of Visual Language. J. R. Cooperrider[*1,2], J. A. Nielsen[1,2], J. S. Anderson[2,3], A. Froehlich[1], M. B. DuBray[1,2], A. Cariello[1], A. Alexander[4,5], E. D. Bigler[1,6], N. Lange[7,8] and J. E. Lainhart[1,2], (1)Psychiatry, University of Utah, Salt Lake City, UT, (2)Interdepartmental Program in Neuroscience, University of Utah, Salt Lake City, UT, (3)Radiology, University of Utah, Salt Lake City, UT, (4)Medical Physics, University of Wisconsin, Madison, WI, (5)Psychiatry, University of Wisconsin, Madison, WI, (6)Psychology and Neuroscience, Brigham Young University, Provo, UT, (7)Psychiatry, Harvard University, Cambridge, MA, (8)Biostatistics, Harvard University, Cambridge, MA

10:45 127.003 Diagnostic Utility of Brain Mechanisms for Processing Biological Motion. N. Wang[*], M. Björnsdotter, K. A. Pelphrey and M. D. Kaiser, Child Study Center, Yale University, New Haven, CT

11:00 127.004 Atypical Evidence Accumulation in Global Motion Decisions in Autism: Brain and Behavior. C. E. Robertson[*1,2], C. Thomas[2], D. Kravitz[2], E. Dixon[2], G. L. Wallace[2], A. Martin[2], S. Baron-Cohen[3] and C. I. Baker[2], (1)University of Cambridge, Cambridge, United Kingdom, (2)NIMH, National Institutes of Health, Bethesda, MD, (3)Autism Research Centre, University of Cambridge, Cambridge, United Kingdom

11:15 127.005 Symptoms of Sensory Sensitivity and Anxiety As Predictors of Amygdala and Hippocampus Activation to Sensory Stimuli in Youth with and without ASD. S. A. Green[*1], N. L. Colich[2], J. D. Rudie[3], D. Shirinyan[3], M. Dapretto[4] and S. Y. Bookheimer[5], (1)UCLA, Los Angeles, CA, (2)Psychology, Stanford University, Stanford, CA, (3)Brain Mapping Center, University of California, Los Angeles, CA, (4) UCLA, Los Angeles, CA, (5)Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, CA

11:30 127.006 Social and Monetary Reward Processing in Autism Spectrum Disorders (ASD): Interaction Effects in the Striatum. S. Delmonte[*1], J. H. Balsters[2] and L. Gallagher[1], (1)Department of Psychiatry, Trinity College Dublin, Dublin, Ireland, (2)Department of Psychology, Trinity College Dublin, Dublin, Ireland

11:45 127.007 Neural Reward System Response to Food Cues in Autism Spectrum Disorders. C. J. Cascio[*1], J. H. Foss-Feig[2], J. L. Heacock[3] and C. R. Newsom[4], (1)Psychiatry, Vanderbilt University School of Medicine, Nashville, TN, (2)Psychology, Vanderbilt University, Nashville, TN, (3)Special Education, Ohio State University, Columbus, OH, (4)Pediatrics, Vanderbilt University, Nashville, TN

12:00 127.008 Acute Fluoxetine Leads to Increased Prefrontal Activation in Children with Autism Spectrum Disorder During Tasks of Executive Function. K. Chantiluke[*1], A. Smith[1], N. Barrett[2], P. Santosh[3], V. Giampietro[4], D. G. Murphy[5] and K. Rubia[1], (1)Department of Child and Adolescent Psychiatry, King's College London, Institute of Psychiatry, London, United Kingdom, (2)SLaM, National Health Service, London, United Kingdom, (3)Great Ormond Street Hospital, National Health Service, London, United Kingdom, (4)Department of Neuroimaging, King's College, Institute of Psychiatry, London, United Kingdom, (5)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom

Oral Sessions
128 - Epidemiology
10:15 AM - 12:15 PM - Osgoode Ballroom East

10:15 ▸ 128.001 Feasibility of Autism Screening in Underserved Populations. Y. Janvier[*1], P. Hampton[2], M. Zuniga[3] and G. Cable[4], (1)Children's Specialized Hospital, Toms River, NJ, (2)Autism, Children's Specialized Hospital, Toms River, NJ, (3)Autism, Children's Specialized Hospital, Mountainside, NJ, (4)Children's Specialized Hospital, New Brunswick, NJ

10:30 128.002 The Female Protective Effect Against Autistic Behavior: Evidence From Two Nationally Representative Samples. E. Robinson[*1], P. Lichtenstein[2], H. Anckarsater[3], F. Happe[4] and A. Ronald[5], (1)Harvard School of Public Health, Boston, MA, (2)Department of Medical Epidemiology and Biostatistics, Karolinska Institute, Stockholm, Sweden, (3)University of Gothenburg, Gothenburg, Sweden, (4)Social, Genetic and Developmental Psychiatry (SGDP) Centre, Institute of Psychiatry, London, United Kingdom, (5)Birkbeck College, London, United Kingdom

10:45 128.003 Early Gestational Levels of Persistent Organic Pollutants and Autism in a Finnish National Birth Cohort. K. Cheslack-Postava[*1], P. Rantakokko[2], S. Hinkka-Yli-Salomaki[3], H. M. Surcel[4], I. W. McKeague[1], A. Sourander[5] and A. S. Brown[6], (1)Columbia University, New York, NY, (2)National Institute for Health and Welfare (THL), Kuopio, Finland, (3)University of Turku, Turku, Finland, (4)National Institute for Health and Welfare (THL), Oulu, Finland, (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

11:00 128.004 Parental Socioeconomic Status and Risk of Offspring Autism Spectrum Disorders. D. Rai[*1,2], G. Lewis[1], M. Lundberg[2], R. Araya[1], A. Svensson[2], C. Dalman[2], P. Carpenter[3] and C. Magnusson[2], (1)School of Social and Community Medicine, University of Bristol, Bristol, United Kingdom, (2)Department of Public Health Sciences, Karolinska Institutet, Stockholm, Sweden, (3)Psychiatry of Learning Disability, Avon and Wiltshire Partnership NHS Mental Health Trust, Bristol, United Kingdom

11:15 128.005 Prevalence and Neonatal Factors Associated with ASD in Preterm Infants. M. W. Kuzniewicz, S. Wi, Y. Qian, E. M. Walsh, M. A. Armstrong and L. A. Croen[*], Kaiser Permanente Division of Research, Oakland, CA

11:30 128.006 Gene-Environment Interaction: Impact of MET Gene on Traffic Exposure From Freeways As a Risk Factor for Autism. H. E. Volk[*1,2], T. Kerin[3], I. Hertz-Picciotto[4,5], F. Lurmann[6], R. McConnell[7] and D. B. Campbell[8], (1)Children's Hospital Los Angeles, Los Angeles, CA, (2)Preventive Medicine, Pediatrics, Zilkha Neurogenetic Institute, University of Southern California, Los Angeles, CA, (3)Department of Preventive Medicine, University of Southern California, Los Angeles, CA, (4)Department of Public Health Sciences, University of California Davis, Davis, CA, (5)M.I.N.D. Institute, Sacramento, CA, (6)Sonoma Technology, Inc., Petaluma, CA, (7)Preventive Medicine, University of Southern California, Los Angeles, CA, (8)University of Southern California, Los Angeles, CA

11:45 128.007 Autism Spectrum Disorder Reclassified: A Second Look At the 1980's Utah/UCLA Autism Epidemiologic Study. J. S. Miller[*1], D. Bilder[2], C. E. Rice[3], M. Farley[4], H. Coon[5], E. Fombonne[6], C. Pingree[7], E. R. Ritvo[8], A. Ritvo[9] and W. M. McMahon[10], (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)Utah Autism Research Project, University of Utah, Salt Lake City, UT, (3)Centers for Disease Control and Prevention, National Center on Birth Defects and Developmental Disabilities, Atlanta, GA, (4)University of Utah, Salt Lake City, UT, (5)Utah Autism Research Project, University of Utah, Salt Lake City, UT, (6)McGill University, Montreal, QC, Canada, (7)University of Utah, Salt Lake City, UT, (8)UCLA Medical School, Los Angeles, CA, (9)University of California, Los Angeles, CA, (10)Department of Psychiatry, University of Utah, Salt Lake City, UT

12:00 128.008 The Role of Preeclampsia in Autism Spectrum Disorders and Cognitive Function. C. K. Walker[*1], P. Krakowiak[2], A. S. Baker[3], R. L. Hansen[4], S. Ozonoff[5] and I. Hertz-Picciotto[6], (1)Obstetrics & Gynecology, University of California, Davis, Sacramento, CA, (2)Public Health Sciences, University of California, Davis, CA, (3)School of Public Health, University of California, Berkeley, 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

Poster Sessions
129 - Innovative Technologies Demonstration Session
8:00 AM - 12:30 PM - Sheraton Hall

1 129.001 Building a Data Warehouse Describing the Autism Research Community in a New Way: Extract, Load and Transform (ELT). C. Tirrell[1], M. Peddle[1], S. B. Johnson[2], C. D. Walentas[3], O. McGettrick[1], B. Lawlor[1], H. Agnew[1], D. Voccola[1] and L. Rozenblit[*1], (1)Prometheus Research, LLC, New Haven, CT, (2)Public Health, Weill Cornell Medical College, New York, NY, (3)Self, New York, NY

2 129.002 Hypertext Rapid Application Framework (HTRAF): An Innovative Application-Development Layer Enables Rapid Delivery of Web Applications for Autism Research and Autism Funding Decisions. O. McGettrick, O. Golovko, B. Lawlor, D. Voccola and L. Rozenblit[*], Prometheus Research, LLC, New Haven, CT

3 129.003 The Simons Scientific Information Management System: Supporting Scientific Decision Making in Autism Research Using a Light-Weight Web-Development Methodology. L. Rozenblit[*1], O. McGettrick[1], C. Tirrell[1], M. Peddle[1], H. Agnew[1], B. Lawlor[1], N. Sinanis[1], D. Voccola[1] and S. B. Johnson[2], (1)Prometheus Research, LLC, New Haven, CT, (2)Public Health, Weill Cornell Medical College, New York, NY

4 129.004 PRIMA PIETRA: Research, Integration, Enhancement, Assistance and Education Program for Autism Services and Rehabilitation Technologies. G. Pioggia[*1], L. Billeci[1], A. Narzisi[2], V. Farruggio[1], A. Arnao[1], G. Tartarisco[1], M. Ferro[3], R. Siracusano[4], E. Germanò[4], M. Deodato[5], G. Tortorella[4] and F. Muratori[6], (1)Institute of Clinical Physiology, National Council of Research, Pisa, Italy, (2)Division of Child Neurology and Psychiatry, University of Pisa - Stella Maris Scientific Institute, Pisa, Italy, (3)Institute of Computational Linguistics, National Council of Research, Pisa, Italy, (4)Department of Child Neuropsychiatry, University of Messina, Hospital "G. Martino", Messina, Italy, (5)Department of Child and Adolescence Neuropsychiatry, Azienda Sanitaria Provinciale, Messina, Italy, (6)University of Pisa - Stella Maris Scientific Institute, Calambrone (Pisa), Italy

5 129.005 Demonstrating Cloud Computing Capabilities Using NDAR, Piplines and the Autism Informatics Grid. D. Hall[*1], R. Stoner[2], B. Koser[3], S. Novikova[4], M. McAuliffe[5] and G. F. Farber[6], (1)National Institute of Mental Health (NIMH), Bethesda, MD, (2)Neurosciences and UCSD Autism Center of Excellence, University of California, San Diego, La

Jolla, CA, (3)National Institute of Mental Health, Rockville, MD, (4)The Office of Technology Development and Coordination, NIMH, Rockville, MD, (5)CIT, NIH Center for Information Technology, Bethesda, MD, (6)Office of Technology Development and Coordination, National Institute of Mental Health, Rockville, MD

6 129.006 "Is All Autism Local?" the Value of Functional Regional Registries and Data Systems. A. Vehorn[*1], E. Dykens[2] and Z. Warren[3], (1)TRIAD, Vanderbilt Kennedy Center, Nashville, TN, (2)Vanderbilt Kennedy Center, Nashville, TN, (3)TRIAD, Vanderbilt Kennedy Center, Nashville, TN

7 129.007 Connecting the Genetic Dots of Autism Through Systems Biology. D. P. Wall[*1,2,3], J. Y. Jung[4], T. Nelson[4] and K. St. Gabriel[5], (1)Harvard Medical School, Harvard Medical School, Boston, MA, (2)Pathology/Center for Biomedical Informatics, Harvard Medical School, Boston, MA, (3)Pediatrics, Harvard Medical School, Boston, MA, (4)Harvard Medical School, Boston, MA, (5)Center for Biomedical Informatics, Harvard Medical School, Boston, MA

8 129.008 Development of A Training Video to Teach Best Practices for Delivering An ASD Diagnosis to Families. H. Austin[*1], T. Katz[2] and J. P. M. Reyes[3], (1)University of Colorado, Denver, Aurora, CO, (2)University of Colorado, Aurora, CO, (3)Psychology, University of Denver, Denver, CO

9 129.009 Facilitating Parents' Collection of In-Home Behavior Specimens. N. Nazneen[1], G. D. Abowd[*1], R. Oberleitner[2], S. Pharkute[2] and R. Arriaga[1], (1)Georgia Institute of Technology, Atlanta, GA, (2)Behavior Imaging Solutions, Boise, ID

10 129.010 Family-Centered Occupational Therapy and Telerehabilitation for Children with Autism Spectrum Disorders. V. D. Gibbs[*1] and S. Toth-Cohen[2], (1)Universal Progressive Therapy, Clifton, NJ, (2)Thomas Jefferson University, Philadelphia, PA

11 129.011 SocialMirror: A Specialized Social Networking Service to Promote the Independence of Young Adults with Autism. H. Hong[*], J. G. Kim, G. D. Abowd and R. Arriaga, Georgia Institute of Technology, Atlanta, GA

▸ 12 129.012 Collaborative Collocated Technologies to Promote Social Communication in Children with HFASD. E. Gal[*1], S. Eden[2], M. Zancanaro[3] and P. L. Weiss[1], (1)University of Haifa, Haifa, Israel, (2)Bar-Ilan University, Tel Aviv, Israel, (3)Bruno Kessler Foundation, Trento, Italy

▸ 13 129.013 Exploring the Use of Cross-Cultural Parameterised Avatars in Virtual Learning Environments for Social Competence of People with Autism Spectrum Conditions. M. Habash[*], D. Moore and C. Pattinson, Computing & Creative Technology, Leeds Metropolitan University, Leeds, United Kingdom

14 129.014 Promoting Social Communication in Children on the Autism Spectrum Through a Virtual Learning Environment (ECHOES). K. Guldberg[*1], A. Alcorn[2], M. Mademtzi[1] and H. Pain[3], (1)School of Education, University of Birmingham, Birmingham, United Kingdom, (2)University of Edinburgh, Edinburgh, United Kingdom, (3)School of Informatics, University of Edinburgh, Edinburgh, United Kingdom

15 129.015 Surprising Events within a Virtual Environment: A Catalyst for the Initiation of Spontaneous Social Interactions by Children with ASD. A. M. Alcorn[*1], H. Pain[1], J. Good[2] and G. Rajendran[3], (1)School of Informatics, University of Edinburgh, Edinburgh, United Kingdom, (2)Department of Informatics, University of Sussex, Brighton, United Kingdom, (3)School of Psychological Sciences and Health, Strathclyde University, Glasgow, United Kingdom

16 129.016 A Simon-Says Robot Providing Autonomous Imitation Feedback Using Graded Cueing. D. Feil-Seifer[*1,2] and M. J. Mataric[2], (1)Computer Science, Yale University, New Haven, CT, (2)Computer Science, University of Southern California, Los Angeles, CA

17 129.017 Using Robot Assisted Therapy Tools in Rhythm and Locomotion Intervention Contexts with Typically Developing Children and Children with Autism. T. Gifford[*1], C. Wanamaker[2], D. Dotov[2], G. Dressler[3], S. Srinivasan[4], M. Kaur[4], K. Marsh[2] and A. Bhat[4], (1)University of Connecticut, Storrs, CT, (2)Psychology, University of Connecticut, Storrs, CT, (3)Psychology, UConn, Storrs, CT, (4)Kinesiology, University of Connecticut, Storrs, CT

18 129.018 Robot-Mediated Adaptive Response System in Joint Attention Task for Children with Autism Spectrum Disorders. E. T. Bekele[*1,2], A. Swanson[3,4], A. C. Vehorn[5], J. A. Crittendon[4,6], Z. Warren[2,3,7,8] and N. Sarkar[2,9], (1)Electrical Engineering, Vanderbilt University, Nashville, TN, (2)Autos Lab, Vanderbilt University, Nashville, TN, (3)Vanderbilt University, Nashville, TN, (4)Vanderbilt Autos Lab, Nashville, TN, (5)Vanderbilt University, Nashville, TN, (6)Vanderbilt Kennedy Center, Nashville, TN, (7)Vanderbilt University, Nashville, TN, (8)Pediatrics, Vanderbilt University, Nashville, TN, (9)Mechanical Engineering, Vanderbilt University, Nashville, TN

19 129.019 Case Studies on the Feasibility of Exergaming to Enhance Physical Activity in Youth with Autism Spectrum Disorders. A. C. Foran[*] and S. A. Cermak, Occupational Science & Occupational Therapy, University of Southern California, Los Angeles, CA

20 129.020 MindGamers in School. R. H. Rice[*], 14534, Pittsford, NY

21 129.021 Influencing Gaze Behavior and Expression Recognition. M. Eckhardt[*1] and M. S. Goodwin[2], (1)Massachusetts Institute of Technology, The Media Laboratory, Cambridge, MA, (2)Northeastern University, Boston, MA

22 129.022 Automated Detection of Mutual Eye Contact and Joint Attention Using a Single Wearable Camera System. Y. Han[1], A. Fathi[*2], G. D. Abowd[1] and J. Rehg[1], (1)Georgia Institute of Technology, Atlanta, GA, (2)Atlanta, GA

23 129.023 Viewing Patterns of Adults with Autism During a Community Art Recreation Activity. E. S. Kim[*], A. Naples, B. Reichow, E. B. Gisin, M. G. Perlmutter, F. R. Volkmar and F. Shic, Child Study Center, Yale University School of Medicine, New Haven, CT

24 129.024 Analyzing the Physiological Synchrony of Children with Autism and Their Parents with Signal Processing Techniques. T. Chaspari[*], C. C. Lee, M. P. Black and S. S. Narayanan, Signal Analysis and Interpretation Laboratory (SAIL), University of Southern California, Los Angeles, CA

▸ 25 129.025 E-Mintza: A Free Application for Augmentative Communication. J. Fuentes[*1], N. Azpiazu[2], A. Basurco[2], I. Lazkoz[3], F. Sánchez[4] and B. Villamía[5], (1)Child and Adolescent Psychiatry Service, Policlinica Gipuzkoa, San Sebastian, Spain, (2)Fundación Dr. Carlos Elósegui, Policlinica Gipuzkoa, San Sebastian, Spain, (3)GAUTENA Autism Society, San Sebastian, Spain, (4)Nesplora Technology & Behavior, San Sebastian, Spain, (5)Fundación Orange, Madrid, Spain

26 129.026 Infusing Speech Output Technology Into the Picture Exchange Communication System for Children with Autism. O. Wendt[*1], M. C. Boesch[2], A. Subramanian[3], N. Hsu[4] and K. M. Johnstone[5], (1)Heav 202D, Purdue University, West Lafayette, IN, (2)Educational Psychology and Special Education, University of Northern Texas, Denton, TX, (3)Speech, Language, and Hearing Sciences, Purdue University, West Lafayette, IN, (4)Educational Studies, Purdue University, West Lafayette, IN, (5)Speech-Language Pathology, Illinois State University, Normal, IL

27 129.027 Naturalistic Daylong Audio Monitoring Using LENA: Current and Potential Applications. J. A. Richards[*], D. Xu and J. Gilkerson, LENA Research Foundation, Boulder, CO

▸ 28 129.028 Validation of Language Environment Analysis (LENA) Systems in Arabic-Speaking Individuals. M. Aldosari[*1], A. Almuslamani[1], F. Wilson[2] and J. Gilkerson[3], (1)Department of Neurosciences, King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia, (2)Speech Pathology, KFSH&RC, Riyadh, Saudi Arabia, (3)LENA Foundation, Boulder, CO

29 129.029 Towards a Tool to Support the Authoring of Social Skills Instructional Modules. F. A. Boujarwah, H. Versee[*], G. D. Abowd and R. Arriaga, Georgia Institute of Technology, Atlanta, GA

30 129.030 AMA, a Tool for Annotation, Monitoring and Analysis of Behavioral Activity. J. Hernandez[*], A. Sano, M. S. Goodwin and R. W. Picard, Media Lab, Massachusetts Institute of Technology, Cambridge, MA

Poster Sessions
130 - Electrophysiology: Early Signs
8:00 AM - 12:30 PM - Sheraton Hall

9:00 31 130.031 Do Children with ASD Show An Abnormal Neural Response to Faces At 12 Months of Age?. R. 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)Labs of Cognitive Neuroscience, Children's Hospital, Boston, MA, (3)Department of Psychology, Boston University, Boston, MA

10:00 32 130.032 Event-Related Potentials to Known and Unknown Words in 18- and 24-Month-Olds At Risk for ASD. A. Seery[*1], M. Ayoub[2], H. Tager-Flusberg[1] and C. A. Nelson[3], (1)Department of Psychology, Boston University, Boston, MA, (2)Harvard University, Cambridge, MA, (3)Laboratories of Cognitive Neuroscience, Harvard Medical School/Children's Hospital Boston, Boston, MA

11:00 33 130.033 Resting-State Gamma Power and Early Language Function in Infants At Risk for Autism. A. Norona[*], K. McEvoy, C. Shimizu, T. Hutman and S. S. Jeste, Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA

9:00 34 130.034 Human and Non-Human Action Sound Processing in Toddlers At Risk for Autism. C. Stefanidou[*1], R. Ceponiene[2] and J. McCleery[3], (1)School of Psychology, University of Birmingham, Birmingham, United Kingdom, (2)Center for Research in Language, University of California, San Diego, CA, (3)University of Birmingham, Birmingham, United Kingdom

10:00 35 130.035 Abnormal Neonatal Auditory Brainstem Response and 4-Month Arousal-Modulated Attention Are Jointly Associated with Autism Severity Scores in Childhood in NICU Graduates. I. L. Cohen[*1], J. M. Gardner[2], B. Z. Karmel[2], T. R. Gomez[1], M. Gonzalez[1], H. T. T. Phan[2], P. M. Kittler[2], E. M. Lennon[2], S. Parab[3] and A. Barone[3], (1)Psychology, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (2)Infant Development, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY, (3)Neonatology, Richmond University Medical Center, Staten Island, NY

11:00 36 130.036 Electrophysiological Markers of Social Perception in Infants At Risk for Autism. G. Righi[*], C. E. Mukerji, M. Coffman, A. Naples, L. Mayes and J. McPartland, Yale Child Study Center, New Haven, CT

9:00 37 130.037 An Electrophysiological Study of Visual Function in Infants At Risk for An ASD. V. Vogel-Farley[1], K. M. Concannon[*1,2], S. Spurling Jeste[3] and C. A. Nelson[4], (1)Childrens Hospital Boston, Boston, MA, (2)Children's Hospital Boston, Brookline, MA, (3)UCLA, Los Angeles, CA, (4)Laboratories of Cognitive Neuroscience, Children's Hospital Boston/Harvard Medical School, Boston, MA

10:00 38 130.038 Neurobehavioral Responses in Fetuses At Risk for Autism. S. J. Sheinkopf[*1], R. A. Barry[2] and A. Salisbury[3], (1)101 Dudley Street, The Warren Alpert Medical School of Brown University, Providence, RI, (2)Brown Center for the Study of Children at Risk, Providence, RI, (3)The Warren Alpert Medical School of Brown University, Providence, RI

11:00 39 130.039 Neural Mirroring System In Young Children: An EEG Study. N. L. Dewaele[*], L. Ruysschaert, P. Warreyn, J. R. Wiersema and H. Roeyers, Department of Experimental Clinical and Health Psychology, Ghent University, Ghent, Belgium

Poster Sessions
131 - Treatment I: Social Skills, Schools, Stress
8:00 AM - 12:30 PM - Sheraton Hall

9:00 40 131.040 The Relations Among Language, Behavior, and Social Skills in Children with High Functioning ASD: Exploration to Inform Pivotal Interventions. K. Lierheimer[*1], N. A. Gage[2], M. O. Mazurek[3] and S. M. Kanne[4], (1)University of Missouri, Columbia, MO, (2)Special Education, University of Connecticut, Storrs, CT, (3)University of Missouri – Columbia, Columbia, MO, (4)Department of Pediatrics, Psychology Section, Baylor College of Medicine, Houston, TX

10:00 41 131.041 "Look Who's Talking!" Gaze Patterns in Implicit and Explicit Onset Asynchrony Detection. R. B. Grossman[*1,2], A. Schmid[2], E. Steinhart[2] and T. Mitchell[2], (1)Emerson College, Boston, MA, (2)Psychiatry, UMMS Shriver Center, Waltham, MA

11:00 ▸ 42 131.042 Measuring the Effects of Training Parents to Provide Intervention Via Telemedicine. D. Openden[*1], C. J. Smith[2] and A. Boglio[3], (1)Southwest Autism Research & Resource Center, Phoenix, AZ, (2)Southwest Autism Research & Resource Center, Phoenix, AZ, (3)Southwest Autism Research & Resource Center, Phoenix, AZ

9:00 43 131.043 How Are Special Educators Using Social Stories™ in Rhode Island?. P. LaCava[*], Rhode Island College, Providence, RI

10:00 44 131.044 Training High School Students to Provide Behavioral Instruction to Children with Autism. L. Belz[*], B. Gorka and K. Kennedy, Autism Center, Children's Hospital of Michigan, Detroit, MI

11:00 45 131.045 A Comparison of Social Skills Intervention in Three Different Contexts. G. Mathai[*1], P. H. Hardesty[2], N. J. Cunningham[2] and L. A. Ruble[3], (1)University of Louisville, University of Louisville, Louisville, KY, (2)Educational and Counseling Psychology, University of Louisville, Louisville, KY, (3)University of Kentucky, Lexington, KY

9:00 46 131.046 Parent and Family Outcomes of PEERS Intervention. J. S. Karst[*1], B. Dolan[2], A. Meyer[3], K. Schohl[2], S. Stevens[2], S. Brockman[2], N. Fritz[2], C. Gasaway[2], G. McDonald[2], R. Remmel[2] and A. V. Van Hecke[4], (1)Marquette University, Milwauee, WI, (2)Marquette University, Milwaukee, WI, (3)Marquette University, Milwaukee, WI, (4)Psychology, Marquette University, Milwaukee, WI

10:00 47 131.047 Executive Functioning Training in ASD. M. de Vries[*1], P. Prins[2], B. Schmand[3,4] and H. M. Geurts[5], (1)Brain and Cognition, University of Amsterdam, Amsterdam, Netherlands, (2)Developmental psychology, University of Amsterdam, Amsterdam, Netherlands, (3)Brain & Cognition, University of Amsterdam, Amsterdam, Netherlands, (4)Academic Medical Center Amsterdam, Amsterdam, Netherlands, (5)Brain & Cognition, University of Amsterdam, Amsterdam, Netherlands

11:00 48 131.048 Longitudinal Data On Executive Function and Social Cognition by Children with Autism. E. Thommen[*], B. Cartier-Nelles, A. Guidoux and S. Wiesendanger, EESP, University of Applied Sciences Western Switzerland, Lausanne, Switzerland

9:00 49 131.049 Increasing Social Interactions Using Typical Peer Training. A. C. Azarbehi[*1] and W. Reeve[2], (1)Psychology, Tyndale University, Toronto, ON, Canada, (2)Tyndale University, Toronto, ON, Canada

10:00 50 131.050 A Mixed Methods Analysis of a Social Group Intervention for Adolescents with Social Disabilities and Their Typically Developing Peers. K. Bottema[*], Special Education, San Francisco State University, San Francisco, CA; UC Berkeley, Berkeley, CA

11:00 51 131.051 Mindfulness in Mind-Blindness: What Are the Effects of Mindfulness Training in Teenagers with ASD?. E. I. de Bruin[*1] and S. M. Bogels[2], (1)Dept of Child Development and Education, University of Amsterdam, Amsterdam, Netherlands, (2)Dept. of Child Development and Education, University of Amsterdam, Amsterdam, Netherlands

9:00 52 131.052 Pivotal Response Treatment (PRT) Is Ideal for Summer Camp, and Summer Camp Is Ideal for PRT. R. E. Daniels and M. Y. Boyars[*], Chicago Children's Clinic, Chicago, IL

10:00 53 131.053 Development of a School-based Social Skills Program: The Role of Qualitative Data in Participatory Action Research. K. F. Ostmeyer-Kountzman[*1] and A. Scarpa[2], (1)Psychology, Virginia Tech, Blacksburg, VA, (2)Department of Psychology, Virginia Tech, Blacksburg, VA

11:00 54 131.054 The Outcomes of a Psychosexual Training Program for Adolescents with ASD. E. van der Vegt[*1], L. P. Dekker[2,3], N. Tick[3], K. Visser[3], F. Boudesteijn[1], F. C. Verhulst[2], A. Maras[3] and K. Greaves-Lord[2,3], (1)Yulius, Barendrecht, Netherlands, (2)Department of Child & Adolescent Psychiatry and Psychology, Erasmus MC – Sophia's Children's Hospital, Rotterdam, Netherlands, (3)Academie, Yulius, Rotterdam, Netherlands

9:00 55 131.055 Computer-based Interventions to Improve Social and Emotional Skills in Individuals with Autism Spectrum Disorders: A Systematic Review. S. Ramdoss[*1], W. Machalicek[2], M. Rispoli[3], A. M. Mulloy[4], R. Lang[5] and M. F. O'Reilly[6], (1)The University of Texas at Austin, Austin, TX, (2)Special Education, University of Oregon, Eugene, OR, (3)Dept of Educational Psychology, Texas A&M Univ, College Station, TX, (4)Dept of Special Education and Disability Policy, Virginia Commonwealth Univ, Richmond, VA, (5)Dept of Curriculum and Instruction and Applied Behavior Analysis Program, Texas State University, San Marcos, TX, (6)Special Education, The University of Texas at Austin, Austin, TX

10:00 56 131.056 Development of a Novel Social Skills Training Curriculum. R. Shaffer[*1], L. Wink[2], N. Minshawi[2] and C. Erickson[2], (1)Indiana School of Medicine, Indianapolis, IN, (2)Indiana University School of Medicine, Indianapolis, IN

11:00 57 131.057 Direct and Indirect Changes in Children with Autism Spectrum Disorders and Their Parents After a Social Skills Intervention. M. A. Viecili[*1], S. Robinson[2], J. A. Weiss[1], Y. Lunsky[3] and L. Sloman[3], (1)Department of Psychology, York University, Toronto, ON, Canada, (2)York University, Toronto, ON, Canada, (3)Centre for Addiction and Mental Health, Toronto, ON, Canada

9:00 58 131.058 Emotional Intelligence As a Moderator of Distress in Parents of Children with Autism Spectrum Disorder (ASD). E. Cooper[*] and A. Perry, Department of Psychology, York University, Toronto, ON, Canada

10:00 59 131.059 Predictors of Outcome in a Community-based Parent Training Program. S. Godleski[*1] and A. L. Valentino[2], (1) Marcus Autism Center, Children's Healthcare of Atlanta, and University at Buffalo, SUNY, Atlanta, GA, (2)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA

11:00 60 131.060 Effect of a Short-Term Treatment Program for Anxiety in Children Diagnosed with Autism Spectrum Disorders. W. Noda[*1], T. Hagiwara[2], N. Mochizuki[1], M. Iwasaki[3] and M. Tsujii[4], (1)Osaka-Hamamatsu Joint Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (2)Hokkaido University of Education, Asahikawa-shi, Japan, (3)Asperger Society Japan, Nagoya-shi, Japan, (4)Department of Contemporary Sociology, Chukyo University, Nagoya, Japan

9:00 61 131.061 Teachers' Implementation of ASD Evidence-based Practices in General Education Classrooms. M. I. Thomson[*], Autism Teaching Institute, Victoria, Australia

10:00 62 131.062 SENSE Theatre - Bridging Art and Science to Improve Social Interaction in Autism. B. A. Corbett[*1], C. Coke[2], C. R. Newsom[3], E. Bingham[4], T. Stromp[1], D. Swain[5], C. Taylor[5], L. Wang[6] and Y. Song[6], (1)Psychiatry, Vanderbilt University, Nashville, TN, (2)University School of Nashville, Nashville, TN, (3)Pediatrics, Vanderbilt University, Nashville, TN, (4)Blair School of Music, Vanderbilt University, Nashville, TN, (5)Vanderbilt University, Nashville, TN, (6)Biostatistics, Vanderbilt University, Nashville, TN

11:00 63 131.063 Phase IV-Community Effectiveness Trial of a Psychosocial Treatment for Children with HFASDs. C. Lopata[*1], J. A. Toomey[2], M. L. Thomeer[1], J. D. Fox[3], D. Meichenbaum[2], M. A. Volker[4] and G. K. Lee[4], (1)Institute for Autism Research, Canisius College, Buffalo, NY, (2)Summit Educational Resources, Getzville, NY, (3)Autistic Services Inc, Williamsville, NY, (4)Counseling, School and Educational Psychology, University at Buffalo, SUNY, Buffalo, NY

9:00 64 131.064 Can the PEGASUS Psychoeducational Programme Improve the Understanding, Well-Being and Functioning of Young People with ASD Diagnoses and That of Their Families? A Randomised Controlled Trial. R. K. Gordon[*1], V. Livermore-Hardy[2], O. Baykaner[3], C. Willis[4], L. Roughan[2], M. Murin[5] and W. P. Mandy[6], (1)Social Communication Disorders Clinic, Great Ormond Street Hospital, London, United Kingdom, (2)Great Ormond Street Hospital, London, United Kingdom, (3)UCL, London, United Kingdom, (4)Department of Child and Adolescent Mental Health, Great Ormond Street Hospital for Children, London, United Kingdom, (5)Social Communication Disorders Clinic, Great Ormond Street Hospital for Children, London, United Kingdom, (6)University College London, London, United Kingdom

10:00 65 131.065 PEERS Treatment Leads to Increased Neural Activity in Adolescents with ASD. A. V. Van Hecke[*1], A. Meyer[2], S. Stevens[3], B. Dolan[3], J. S. Karst[2], K. Schohl[3], S. Brockman[3], R. Remmel[3], N. Fritz[3], C. Gasaway[3] and G. McDonald[3], (1)Psychology, Marquette University, Milwaukee, WI, (2)Marquette University, Milwaukee, WI, (3)Marquette University, Milwaukee, WI

11:00 66 131.066 Replicating the PEERS Program in a Public School Classroom. L. Hall[*1] and B. Kraemer[2], (1)San Diego State University, San Diego, CA, (2)SDSU, San Diego, CA

9:00 67 131.067 SOSTA-Net: A Large-Scale, Multi-Center, Randomised Controlled Trial of the Autism Specific Social Skills Training SOSTA-FRA. C. M. Freitag[*1], H. Musch[1], L. Elsuni[1] and M. Kieser[2], (1)Department of Child and Adolescent Psychiatry, Psychosomatics, and Psychotherapy, JW Goethe University Frankfurt am Main, Frankfurt am Main, Germany, (2)Department of Medical Biometry, Ruprecht-Karls University Heidelberg, Heidelberg, Germany

10:00 68 131.068 Benefits of a Social Skills Intervention in Residential Treatment Settings for Adolescents with Autism Spectrum Disorders: The UCLA PEERS Program. A. J. Vreeland[*1], E. Laugeson[2], J. Romeyn[3], L. Tucci[4] and R. W. Ellingsen[5], (1)UCLA Semel Institute for Neuroscience and Human Behavior, Los Angeles, CA, (2)UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA, (3)The Help Group, Sherman Oaks, CA, (4)UCLA Autism Research Alliance, The Help Group-UCLA Autism Research Alliance, Sherman Oaks, CA, (5)Clinical Psychology, UCLA, Los Angeles, CA

11:00 69 131.069 Examining the Effectiveness of Mindfulness for Treating Children with ASD and ADHD. B. Evans-Smith[*1], N. M. Russo[1] and J. Johnson[2], (1)Pediatrics; Behavioral Sciences; Rush NeuroBehavioral Center, Rush University Medical Center, Skokie, IL, (2)Behavioral Sciences; Rush NeuroBehavioral Center, Rush University Medical Center, Skokie, IL

9:00 70 131.070 Self-Isolation or Self Preservation: Why Are Teens with Autism Often Alone?. S. Mahjouri[*1], C. Kasari[2] and F. Orlich[3], (1)Institute of Brain Development, Weill Cornell Medical College, New York, NY, (2)University of California, Los Angeles, CA, (3)Psychiatry, University of Washington/Seattle Children's Hospital, Seattle, WA

10:00 71 131.071 Tracking Changes in Social Skills: Weekly Behavioral Coding During a Social Skills Intervention Group. C. Hileman[*] and M. Solomon, MIND Institute, UC Davis, Sacramento, CA

11:00 72 131.072 Teaching Personal Narrative Skills to Enhance Social Conversation in Children with Autism Spectrum Disorders. M. N. Park[*1], R. L. Koegel[2] and L. K. Koegel[3], (1)Psychiatry, UCLA Semel Institute for Neuroscience and Human Behavior, Los Angeles, CA, (2)Department of Counseling, Clinical, & School Psychology, University of California Santa Barbara, Santa Barbara, CA, (3)Koegel Autism Center, University of California, Santa Barbara, CA

9:00 73 131.073 Promoting Social Competence in Adolescent Girls with ASD: Evaluation of An Intervention Program. R. Jamison[*1] and D. Kamps[2], (1)Center for Child Health and Development, University of Kansas Medical Center, Kansas City, KS, (2)Juniper Gardens Children's Project, University of Kansas, Kansas City, KS

10:00 74 131.074 Predicting Treatment Outcomes of a Teacher-Facilitated Social Skills Intervention for Adolescents with Autism: The School-Based UCLA PEERS Program. M. Goodarzi[*1], Y. Bolourian[2], L. Henry[1], R. W. Ellingsen[3], L. Tucci[4], S. Bates[5] and E. Laugeson[6], (1)UCLA, Los Angeles, CA, (2)UCLA, Los Angeles, CA, (3)Clinical Psychology, UCLA, Los Angeles, CA, (4)UCLA Autism Research Alliance, The Help Group-UCLA Autism Research Alliance, Sherman Oaks, CA, (5)UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA, (6)Psychiatry, UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA

11:00 75 131.075 DOES Naturalistic One-to-One Training without Focused Peer Intervention Have Collateral Effects On Play and Peer Engagement?. K. Strauss[*1], L. Fava[2], G. Valeri[3], S. Arima[4], L. D'Elia[5] and S. Vicari[6], (1)Autism Treatment and Research Center "Una breccia nel muro", Rome, Italy, (2)Autism Treatment and Research Center "Una breccia nel muro", Rome, Italy, (3)Neuroscience Department, Children's Hospital Bambino Gesù, Rome, Italy, (4)Department of Methods and Model for Economy Territory and Finance, University of Rome " La Sapienza", Rome, Italy, (5)Neuroscience Department, Children's Hospital Bambino Gesù, Rome, Italy, (6)U.O.C. Neuropsichiatria Infantile, Dipartimento di Neuroscienze, Ospedale Pediatrico Bambino Gesù, Rome, Italy

9:00 76 131.076 Parental Stress and Treatment Priorities In the Process of Parent-Mediated EIBI Intervention. L. Fava[*1], K. Strauss[2], S. Arima[3], G. Valeri[4], L. D'Elia[5] and S. Vicari[5], (1)Autism Treatment and Research Center "Una breccia nel muro", Rome, Italy, (2)Autism treatment and research Center "Una breccia nel muro", Rome, Italy, (3)Department of Methods and Model for Economy Territory and Finance, University of Rome " La Sapienza", Rome, Italy, (4)Neuroscience, Children's Hospital Bambino Gesù, Roma, Italy, (5)Neuroscience Department, Children's Hospital Bambino Gesù, Rome, Italy

10:00 77 131.077 Is CBT As Effective for Treating Anxiety Disorders in Children and Adolescents with ASD As for Typically Developing Children, Also in the Long Term? Preliminary Results of a Controlled Clinical Trial. F. J. van Steensel[*1] and S. M. Bögels[2], (1)Child Development and Education, University of Amsterdam, Amsterdam, Netherlands, (2)University of Amsterdam, Amsterdam, Netherlands

11:00 78 131.078 The Impact of Teachers' Attitudes Towards Evidence-based Practices on Student Autism Symptom Severity. C. S. Ghilain[*], D. C. Coman, A. Gutierrez and M. Alessandri, Psychology, University of Miami, Coral Gables, FL

9:00 79 131.079 Examining the Maintenance of Effects of a Social Competence Intervention (SCI-A). J. P. Stichter[*1,2], M. Herzog[3], S. D. McGhee[3] and S. Leinert[3], (1)University of Missouri, Columbia, MO, (2)University of Missouri, Columbia, MO, (3)University of Missouri, Columbia, MO

10:00 80 131.080 Commitment to Classroom Model Philosophy, Openness, and Teacher Burnout: A Preliminary Investigation of Their Relationships. A. Gutierrez[*1,2], D. C. Coman[1], C. S. Ghilain[1] and M. Alessandri[1], (1)Psychology, University of Miami, Coral Gables, FL, (2)Psychology, Florida International University, Miami, FL

11:00 81 131.081 Addressing Engagement and Challenging Behaviors within a Naturalistic Language Intervention: A Cross-Disciplinary Collaboration. G. L. Lyons[*1], E. Haebig[1], A. McDuffie[2], W. Machalicek[3], A. Oakes[4], L. Abbeduto[2] and S. Ellis Weismer[1], (1)Waisman Center, University of Wisconsin-Madison, Madison, WI, (2)Psychiatry, M.I.N.D. Institute University of California Davis, Sacramento, CA, (3)Special Education, University of Oregon, Eugene, OR, (4)M.I.N.D. Institute, University of California, Davis, Sacramento, CA

9:00 82 131.082 Functional Behavior Assessments: A Comparison of Across Three Assessment Methodologies. S. B. Clark[*1], N. A. Call[2], N. A. Parks[1] and A. R. Reavis[1], (1)Marcus Autism Center & Children's Healthcare of Atlanta, Atlanta, GA, (2)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory University School of Medicine, Atlanta, GA

10:00 83 131.083 Increasing Positive Affect and Social Responsiveness in Children and Adolescents with Autism Spectrum Disorders: The Adaptation of a Music-Based Intervention in a School Setting. D. Tung[*1], R. W. Ellingsen[2], L. Tucci[3] and E. Laugeson[4], (1)UCLA, Los Angeles, CA, (2)Clinical Psychology, UCLA, Los Angeles, CA, (3)UCLA Autism Research Alliance, The Help Group-UCLA Autism Research Alliance, Sherman Oaks, CA, (4)Psychiatry, UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA

11:00 84 131.084 A Behavioral Summer Treatment Program Improves Social Functioning for Children with High-Functioning Autism Spectrum Disorder. E. S. Mitchell[*], M. K. McCalla, S. Mrug, C. S. Patterson and J. B. Hodgens, University of Alabama at Birmingham, Birmingham, AL

9:00 85 131.085 SPARK: Improving Self-Regulation, Executive Functions, and Social Competence in Children with Autism. J. Montgomery[1] and H. MacKenzie[*2], (1)University of Manitoba, University of Manitoba, Winnipeg, MB, Canada, (2)WIred Fox Publications, St. Catharines, ON, Canada

10:00 86 131.086 Increasing Self-Confidence and Decreasing Stress in Parents and Professionals: The Effects of One-Day Pivotal Response Treatment Training. J. Choi[*1], N. M. Reyes[1], A. Scarpa[2] and D. Openden[3], (1)Psychology, Virginia Tech, Blacksburg, VA, (2)Department of Psychology, Virginia Tech, Blacksburg, VA, (3)Southwest Autism Research and Resource Center, Phoenix, AZ

11:00 87 131.087 Effects of Video-Based Group Instruction on the Acquisition of Complex Social Skills by Adolescents with Autism. J. B. Plavnick[*1], A. M. Sam[2], K. Hume[3] and S. L. Odom[4], (1)Counseling, Educational Psychology, and Special Education, Michigan State University, East Lansing, MI, (2)Frank Porter Graham Child Development Institute, University of North Carolina, Chapel Hill, Carrboro, NC, (3)Frank Porter Graham Child Development Institute, University of North Carolina, Chapel Hill, NC, (4)University of North Carolina, Chapel Hill, NC

9:00 88 131.088 Language and Academic Deficits Among Children with Autism Spectrum Disorders Attending Regular School Classes After Intensive Long-Term Treatment. S. Kotsopoulos[*1], A. Kotsopoulos[2], I. Florou[1], M. Gyftogianni[3], A. Gasteratos[4] and A. Georgiou[1], (1)Day Centre for Children with Developmental Disorders, Messolonghi, Greece, (2)Speech Therapy, TEI Patras, Patras, Greece, (3)Day Centre for Children with Developmental Disorders, Messolonghi, Greece, Messolonghi, Greece, (4)Day Centre for Children with Developmental Disorders, Messolonghi, Greece, Messolonghi, Greece

10:00 89 131.089 Improved Social Motivation in Adolescents with ASD Following a Social Skills Intervention. M. Murray[*1], A. Pearl[1], J. A. Hillwig-Garcia[1] and L. A. Smith[2], (1)Department of Psychiatry, Penn State Hershey, Hershey, PA, (2)Virginia Polytechnic Institute and State University, Blacksburg, VA

11:00 90 131.090 ABA Therapy in the ASD Population: Predictors of Long Term Social Functioning and Gender Differences. A. N. Tagliarina[*], A. T. Dovi, N. Raff, C. M. Brewton and G. T. Schanding, School Psychology, University of Houston, Houston, TX

9:00 91 131.091 Teaching a Child with Autism to Mand for Information Using "How". M. A. Shillingsburg[*1], C. N. Bowen[2] and A. L. Valentino[1], (1)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA, (2)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory University School of Medicine, Atlanta, GA

10:00 92 131.092 Comparing Echoic Prompts and Echoic Prompts Plus Modeled Prompts on Teaching Beginning Conversational Language. A. L. Valentino[*1], M. A. Shillingsburg[1] and N. A. Call[2], (1)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA, (2)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory University School of Medicine, Atlanta, GA

11:00 93 131.093 Teaching Children with Autism to Seek Information by Asking Questions. C. N. Bowen[*1], M. A. Shillingsburg[2] and A. L. Valentino[2], (1)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory University School of Medicine, Atlanta, GA, (2)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA

9:00 94 131.094 A Pilot Evaluation of Unstuck and On Target: An Executive Functioning Intervention for Children with ASD. L. G. Anthony[*1], L. Cannon[2], K. Alexander[2], M. A. Werner[2], M. C. Wills[1], J. L. Sokoloff[1], K. K. Powell[1], A. C. Sharber[1], J. Strang[1], M. A. Rosenthal[1], E. Bal[1], C. Luong-Tran[1], E. Fallucca[1], A. Youmatz[3] and L. Kenworthy[1], (1)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (2)Ivymount School, Rockville, MD, (3)Center for Autism Spectrum Disorders, Childrens National Medical Center, Rockville, MD

10:00 95 131.095 Music Therapy As An Effective Complementary and Alternative Medicine Therapy in Children and Adolescents with Autism or Related Diagnosis. L. Henry[*1], R. Tachdjian[2] and T. Babikian[3], (1)Pepperdine University, Santa Monica, CA, (2)Allergy and Immunology, UCLA, Santa Monica, CA, (3)Psychiatry and Behavioral Sciences, UCLA, Los Angeles, CA

11:00 96 131.096 WITHDRAWN Emotion Based Social Skills Training for Children with Autism Spectrum Disorders. M. G. Wong[*], Westmead, NSW, Australia

9:00 97 131.097 Peer-Mediated Social Skills Instruction for Students with ASD in the General Education Classroom. N. Brigham[*1], R. Bernstein[2], L. Kaplan[2], J. C. Cosgriff[2], C. Reilly[2], M. Boykin[2] and C. Hughes[2], (1)Pediatrics, Vanderbilt University Medical Center, Nashville, TN, (2)Special Education, Vanderbilt University, Nashville, TN

Poster Sessions
132 - Treatment II: Early Intervention
8:00 AM - 12:30 PM - Sheraton Hall

9:00 98 132.098 First Impressions: Facial Expressions and Prosody Signal ASD Status to Naive Observers. A. Schmid[*1], N. Pitre[2], K. Hasty[1] and R. B. Grossman[1,2], (1)Psychiatry, UMMS Shriver Center, Waltham, MA, (2)Emerson College, Boston, MA

10:00 99 132.099 Improving Social Conversation in Children with Autism Spectrum Disorders Through Teaching Multiple Questions. A. M. Krasno[*1], R. A. Doggett[2], R. L. Koegel[3] and L. K. Koegel[4], (1)Counseling, Clinical, and School Psychology, University of California, Santa Barbara, CA, (2)Counseling, Clinical and School Psychology, University of California, Santa Barbara, CA, (3)Department of Counseling, Clinical, & School Psychology, University of California Santa Barbara, Santa Barbara, CA, (4)Koegel Autism Center, University of California, Santa Barbara, CA

11:00 100 132.100 A Developmental Framework for Promoting Joint Attention in Toddlers with ASD: Formative Analysis of An Intervention. H. H. Schertz[*1], S. L. Odom[2] and K. M. Baggett[3], (1)Indiana University, Bloomington, IN, (2)University of North Carolina, Chapel Hill, NC, (3)University of Kansas, Kansas City, KS

9:00 101 132.101 Caregiver Instruction and iPad's: Implementation of Video Modeling Imitation Training. T. Cardon[*], Spokane, WA

10:00 102 132.102 Teacher-Implemented Joint Attention Intervention: Pilot Randomized Controlled Study for Preschoolers with Autism. K. Lawton[*1] and C. Kasari[2], (1)Nisonger Center; Special Education, The Ohio State University, Columbus, OH, (2)University of California, Los Angeles, CA

11:00 103 132.103 Effects of Early Treatment in Autism After the First Diagnosis: An Observational Italian Study. A. Narzisi[*] and F. Muratori, University of Pisa – Stella Maris Scientific Institute, Calambrone (Pisa), Italy

9:00 104 132.104 Engaging Toddlers with Autism: Effective Caregiver Strategies. A. Fuller[*], C. Ross, A. Gulsrud, K. Lawton and C. Kasari, UCLA, Los Angeles, CA

10:00 105 132.105 Intervention On Social Abilities In Autism: An Evaluation On Outcome. E. Rossini-Drecq[*1], C. Cattelan[1], A. Di Fulvio[2], N. Hadjikhani[3], O. Rogier[4], N. Rudelli[5], E. Thommen[6] and K. Werner[7], (1)SUPSI, Manno, Switzerland, (2)EESP, University of Applied Sciences Western Switzerland, Lausanne, Switzerland, (3)Harvard Medical School, Boston, MA, (4)EPFL, Lausanne, Switzerland, (5)Fondazione Ares, Giubiasco, Switzerland, (6)EESP, University of Applied Sciences Western Switzerland, Lausanne, Switzerland, (7)Il Trampolino, Centro per l'Infanzia, Giubiasco, Switzerland

11:00 106 132.106 A Pilot Study of the Effects of An Australian Centre-based Early Intervention for Children with Autism. J. M. Paynter[*1,2], J. Scott[3,4,5], W. Beamish[6], M. Duhig[7] and H. Heussler[2,3,8], (1)AEIOU Foundation, Nathan, Australia, (2)Mater Medical Research Institute, Brisbane, Australia, (3)The University of Queensland, Brisbane, Australia, (4)Royal Brisbane and Women's Hospital, Brisbane, Australia, (5)Queensland Centre for Mental Health Research, Wacol, Australia, (6)Griffith University, Nathan, Australia, (7)Queensland Children's Hospital, Brisbane, Australia, (8)Mater Children's Hospital, Brisbane, Australia

9:00 107 132.107 Joint Attention Intervention for Young Children with Autism and Their Parents: A Case-Control Study. C. H. Chiang[*1], C. L. Chu[2] and T. C. Lee[3], (1)National Chengchi University, Taipei, Taiwan, (2)Psychology, National Chung Cheng University, Chiayi, Taiwan, (3)Education, National Chengchi University, Taipei, Taiwan

10:00 ▸ 108 132.108 A Randomized Controlled Trial of a Group Parent-Training Program in a Joint Attention Intervention. K. Houghton[*1] and C. Lewis[2], (1)Lancaster University, Chatham, NY, (2)Psychology, Lancaster University, Lancaster, United Kingdom

11:00 ▸ 109 132.109 Effects of Parent-Mediated Early Intervention on Child Behavioral Outcomes in An Underserved Population. A. K. Dent[*1], T. Carr[2], S. Leitman[3] and C. E. Lord[4], (1)Center for Human Growth and Development, Univeristy of Michigan, Ann Arbor, MI, (2)Center for Human Growth and Development, University of Michigan, Ann Arbor, MI, (3)Institute of Brain Development – Bard House, Weill Cornell Medical College/NY Presbyterian Hospital, White Plains, NY, (4)Weill Cornell Medical College, White Plains, NY

9:00 110 132.110 Use of Multi-Modal Feedback to Facilitate Word and Syllable Combinations. L. DeThorne[*1], K. Karahalios[2], J. Halle[3], K. Lyons[1] and M. Aparicio Betancourt[4], (1)Speech & Hearing Science, University of Illinois, Champaign, IL, (2)University of Illinois at Urbana-Champaign, Urbana, IL, (3)Special Education, University of Illinois, Champaign, IL, (4)Neuroscience Program, University of Illinois, Champaign, IL

10:00 111 132.111 The Effectiveness of Speech Generating Devices for Children with ASD. D. Trembath[*1], C. Dissanayake[2] and T. Iacono[3], (1)Olga Tennison Autism Research Centre, La Trobe University, Victoria, Australia, (2)Olga Tennison Autism Research Centre, La Trobe University, Melbourne, Australia, (3)Faculty of Health Sciences, La Trobe University, Bendigo, Australia

11:00 112 132.112 The Effect of Brief Intervention on Spontaneous Turn-Taking in Pivotal Response Teaching for Children with Autism Spectrum Disorder. A. Kondo[*] and J. Yamamoto, Department of Psychology, Keio University, Tokyo, Japan

9:00 ▸ 113 132.113 Piloting the Early Start Denver Model in South Africa. M. Hoogenhout[*1], S. Malcolm-Smith[1], N. Seris[2] and K. Thomas[1], (1)Department of Psychology, University of Cape Town, Cape Town, South Africa, (2)Child Guidance Clinic, University of Cape Town, Cape Town, South Africa

10:00 114 132.114 Transitioning From Development to Efficacy Trial: Challenges Faced by An Autism Intervention Study. K. P. Wilson[*1], J. R. Dykstra[1], K. M. Belardi[1], L. R. Watson[1], B. Boyd[2], G. T. Baranek[2] and E. Crais[1], (1)Speech and Hearing Sciences, University of North Carolina, Chapel Hill, NC, (2)Occupational Science, University of North Carolina, Chapel Hill, NC

11:00 115 132.115 The Efficacy of An Intervention for Sensory-Related Behaviors in Children with Autism. R. Schaaf[*1], T. W. Benevides[2], D. Kelly[3], J. Hunt[4], E. VanHooydonk[3], P. Faller[4], R. Freeman[3] and Z. Mailloux[5], (1)Thomas Jefferson University, Philadelphia, PA, (2)Thomas Jefferson University, Philadelphia, PA, (3)Children's Specialized Hospital, New Brunswick, NJ, (4)Occupational Therapy, Children's Specialized Hospital, New Brunswick, NJ, (5)Pediatic Therapy Network, Torrance, CA

9:00 116 132.116 The Ottawa Act Early Autism Project: Does One Hour of Parent Coaching Make Changes?. Y. Korneluk[*1], R. Gaines[2,3], L. A. Vismara[4], D. Quigley[5] and C. Desrochers[6], (1)Emerging Minds Treatment Centre, Ottawa, ON, Canada, (2)Speech and Language Services, Children's Hospital of Eastern Ontario, Ottawa, ON, Canada, (3)University of Ottawa, Ottawa, ON, Canada, (4)University of California at Davis MIND Institute, Sacramento, CA, (5)Psychology, Carleton University, Ottawa, ON, Canada, (6)Pinecrest Queensway Community Health Centre, Ottawa, ON, Canada

10:00 117 132.117 The Influence of Maternal Speech on the Expressive Language Production of Young Children with ASD. K. M. Walton[*1], I. Sherwood[2] and B. Ingersoll[1], (1)Psychology, Michigan State University, East Lansing, MI, (2)Psychology, University of Alabama, Tuscaloosa, AL

11:00 118 132.118 Parent-Child Interactions During a Teaching Task in Children with ASD. C. Rubery[*1], E. J. H. Jones[1], D. Kamara[1], S. Corrigan[1], K. Toth[1,2] and S. J. Webb[1,2], (1)Seattle Children's Research Institute, Seattle, WA, (2)University of Washington, Seattle, WA

9:00 119 132.119 Improving Play Skills in Nonverbal Elementary-Age Children with Autism. Y. C. Chang[*1], K. Goods[2], C. McCracken[3] and C. Kasari[4], (1)UCLA Semel Institute for Neuroscience & Human Behavior, 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

10:00 ▸ 120 132.120 Autistic Spectrum Disorder (ASD) Among Omani Children Below 6 Years: A Five-Year Retrospective Descriptive Study. M. Al-Sharbati[*1], Y. M. Al-Farsi[2], Z. M. Al-Sharbati[3], A. Ouhtit[2], M. I. Waly[2], M. M. Al-Khaduri[2], M. Al-Shafee[4], F. Al-Sulaimani[5] and S. Al-Adawi[6], (1)Behavioral Medicine, Sultan Qaboos University, Muscat, Oman, (2)Sultan Qaboos University, Muscat, Oman, (3)Behavioral Medicine, Sultan Qaboos University Hospital, Muscat, Oman, (4)Family Medicine, Sultan Qaboos University, Muscat, Oman, (5)MOH, Muscat, Oman, (6)Behavioral Medicine, Sultan Qaboos University, Muscat, Oman

11:00 121 132.121 Teaching Storytelling and Story Recall to Children with Autism Using Textual Prompts. D. E. Conine[*1], A. L. Valentino[2], J. Holcombe[3] and A. Rogers[4], (1)Marcus Autism Center & Children's Healthcare of Atlanta, Atlanta, GA, (2)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA, (3)Marcus Autism Center and Children's Healthcare of Atlanta, Atlanta, GA, (4)Marcus Autism Center and Children's Healthcare of Atlanta, Atlanta, GA

9:00 122 132.122 Effectiveness of a Wide-Scale Community-based Intervention for Preschoolers with Autism. E. Boudreau[*1], B. D'Entremont[2] and M. Fulton[3], (1)Psychology Department, University of New Brunswick, Fredericton, NB, Canada, (2)Psychology Department, University of New Brunswick, Fredericton, NB, Canada, (3)Psychology Department, The University of New Brunswick, Fredericton, NB, Canada

10:00 123 132.123 Effectiveness of the Early Support Program for 2-Year-Old Children with Autism Spectrum Disorders. N. Inada[*1], M. Kuroda[2] and Y. Kamio[1], (1)National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan, (2)Department of Psychology, Shukutoku University, Chiba, Japan

11:00 124 132.124 Parents' Voices: 3-Month Follow-up After 12-Week Unity Parent ABA Training Program. M. N. Gragg[*1], C. Pasiak[2], B. E. Drouillard[2], J. L. Scammell[2], H. E. Jones[3], H. E. Hebert[3] and D. D. Barrie[1], (1)Psychology, University of Windsor, Wiindsor, ON, Canada, (2)Psychology, University of Windsor, Windsor, ON, Canada, (3)The Summit Centre for Preschool Children with Autism, Windsor, ON, Canada

9:00 125 132.125 Congruence Among Parent and Teacher Ratings and Observational Assessments of Social Communication and Play In Preschoolers with ASD. L. R. Watson[*1], B. Boyd[2], G. T. Baranek[2], E. Crais[1], J. R. Dykstra[1] and K. P. Wilson[1], (1)Speech and Hearing Sciences, University of North Carolina, Chapel Hill, NC, (2)Occupational Science, University of North Carolina, Chapel Hill, NC

10:00 126 132.126 Efficacy of Therapist-Implemented Social Communication Intervention for Young Children with ASD. Psychology, Michigan State University, East Lansing, MI

11:00 127 132.127 Predictors of Differential Responsivity to Pivotal Response Training and Discrete Trial Training. A. B. Jobin[*1], L. Schreibman[1] and A. C. Stahmer[1,2], (1)University of California, San Diego, La Jolla, CA, (2)Rady Children's Hospital, San Diego, CA

9:00 128 132.128 Group Delivery of the Early Start Denver Model: Treatment Outcomes. C. Dissanayake[*1], C. D. Zierhut[2] and G. Vivanti[3], (1)La Trobe University, Olga Tennison Autism Research Centre, Bundoora 3086, Australia, (2)Margot Prior Wing of the La Trobe University Community Childrens Centre, Autism Specific Early Learning and Care Centre at La Trobe University, Melbourne, Australia, (3)Olga Tennison Autism Research Centre, La Trobe University, Melbourne, Australia

10:00 129 132.129 Social and Non-Social Abilities Are Differentially Associated to Treatment Gains in Different Domains. G. Vivanti[*1], D. Trembath[2], C. D. Zierhut[3] and C. Dissanayake[4], (1)Olga Tennison Autism Research Centre, La Trobe University, Melbourne, Australia, (2)Olga Tennison Autism Research Centre, La Trobe University, Victoria, Australia, (3)Margot Prior Wing of the La Trobe University Community Childrens Centre, Autism Specific Early Learning and Care Centre at La Trobe University, Melbourne, Australia, (4)La Trobe University, Olga Tennison Autism Research Centre, Bundoora, Australia

11:00 130 132.130 A Telehealth Approach to Working with Families with ASD. L. A. Vismara[*], University of California at Davis, M.I.N.D. Institute, Sacramento, CA

9:00 131 132.131 The Effectiveness of Intensive Behavioural Intervention In Children with Autism Over the Age of 6 Years: A Matched-Sample Controlled Study. K. O. Blacklock[*1] and A. Perry[2], (1)York University, Toronto, ON, Canada, (2)Department of Psychology, York University, Toronto, ON, Canada

10:00 132 132.132 A Review of Early Parent Training and Coaching Models in Autism: Parent and Family Functioning in the First Year After Autism Diagnosis. T. Sendowski[*1], B. Siegel[2], S. Radhakrishna[3], O. Park[3] and S. Phuchareon[3], (1)Child and Adolescent Psychiatry, University of California, San Francisco, San Francisco, CA, (2)University of California, San Francisco, CA, (3)Children's Center at Langley Porter, Child and Adolescent Psychiatry, University of California, San Francisco, CA

11:00 133 132.133 Effects of Video Feedback on Parent Implementation of Pivotal Response Treatment. W. A. Ence[*1,2] and R. L. Koegel[3], (1)Counseling, Clinical, & School Psychology, University of California, Santa Barbara, CA, (2)University of North Carolina, Chapel Hill, NC, (3)Department of Counseling, Clinical, & School Psychology, University of California, Santa Barbara, CA

9:00 134 132.134 Teaching Social Skills to Preschool Children with Autism Spectrum Disorders: Development of the UCLA PEERS for Preschoolers Program. C. A. Roman[*1], M. N. Park[2], J. S. Sanderson[3] and E. Laugeson[4], (1)UCLA, Los Angeles, CA, (2)Psychiatry, UCLA Semel Institute, Los Angeles, CA, (3)UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA, (4)UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA

10:00 135 132.135 The ELM As a Predictor for 12-Month Adaptive Behavior Outcomes for Children with Autism and Intellectual Disabilities. J. A. Reitzel[*], McMaster Children's Hospital/McMaster University, Hamilton, ON, Canada

11:00 136 132.136 The Effect of Robot-Child Interactions on Solo and Social Multilimb Synchrony in Typically Developing Children and Children with Autism Spectrum Disorders Between 4-8 Years of Age. M. Kaur[1], S. Srinivasan[1], T. Gifford[2], K. Marsh[2] and A. Bhat[*1,3], (1)Kinesiology, University of Connecticut, Storrs, CT, (2)Psychology, University of Connecticut, Storrs, CT, (3)University of Connecticut, Storrs, CT

9:00 137 132.137 Defining and Determining Factors Influencing Professional Decision-Making in Eclectic Early Intervention Models. L. A. Sperry[*1], K. Hume[2], B. Boyd[3] and M. McBee[4], (1)Arts, Education and Law, Griffith University, Brisbane, Australia, (2)Frank Porter Graham Child Development Institute, University of North Carolina, Chapel Hill, NC, (3)Occupational Science, University of North Carolina at Chapel Hill, NC, (4)University of North Carolina, Chapel Hill, NC

10:00 138 132.138 Improving Prosocial Behavior in Children and Adolescents with Autism Spectrum Disorders: The Positive Impact of Music Education in the School Setting. Y. Bolourian[*1], L. Henry[2], M. Goodarzi[2], R. W. Ellingsen[3], L. Tucci[4] and E. Laugeson[5], (1)UCLA, Los Angeles, CA, (2)UCLA, Los Angeles, CA, (3)Clinical Psychology, UCLA, Los Angeles, CA, (4)UCLA Autism Research Alliance, The Help Group-UCLA Autism Research Alliance, Sherman Oaks, CA, (5)Psychiatry, UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA

11:00 139 132.139 Adapted Shared Reading for Minimally Verbal Students with Autism. C. Mucchetti[*], University of California, Los Angeles, Valley Village, CA

9:00 140 132.140 Autism Intervention In the First Year of Life. S. J. Rogers[*1], L. A. Vismara[2] and A. Wagner[3], (1)Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA, (2)University of California at Davis M.I.N.D. Institute, Sacramento, CA, (3)Psychiatry and Behavioral Sciences, M.I.N.D. Institute, UC Davis Medical Centre, Sacramento, CA

10:00 141 132.141 Caregiver Mediated Joint Engagement Intervention for Young Children with Autism: A Case Study. C. L. Chu[*1], T. C. Lee[2] and C. H. Chiang[3], (1)Psychology, National Chung Cheng University, Chiayi, Taiwan, (2)Education, National Chengchi University, Taipei, Taiwan, (3)Psychology, National Chengchi University, Taipei, Taiwan

11:00 142 132.142 Promoting Quality and Use of Evidence-Based Practices for Children with Autism Spectrum Disorders in Inclusive Early Childhood Classrooms. C. Wong[*1] and S. L. Odom[2], (1)FPG Child Development Institute, UNC, Chapel Hill, NC, (2)University of North Carolina, Chapel Hill, NC

9:00 143 132.143 The Effects of Robot-Child Interactions on the Solo and Social Drumming Synchrony of Typically Developing Children and Children with Autism Spectrum Disorders Between 4 to 8 Years of Age. S. Srinivasan[*1], M. Kaur[1], T. Gifford[2], K. Marsh[2], B. Kay[2] and A. Bhat[3], (1)Kinesiology, University of Connecticut, Storrs, CT, (2)Psychology, University of Connecticut, Storrs, CT, (3)University of Connecticut, Storrs, CT

10:00 144 132.144 Using LENA Automated Analysis to Monitor the Language Experience of Children During Therapy, Preschool and with Primary Caregivers. J. Gilkerson[*1], J. A. Richards[2] and D. Xu[3], (1)LENA Foundation, Boulder, CO, (2)Research, LENA Foundation, Boulder, CO, (3)Engineering, LENA Foundation, Boulder, CO

11:00 145 132.145 Efficacy of Early Intervention Program: Evidence From Behavioral, Cognitive and Socio-Emotional Evaluations. F. Bonnet-Brilhault[*1], R. Blanc[1], S. Roux[2], P. Dansart[2], J. Malvy[1] and C. Barthelemy[3], (1)Centre de PedoPsychiatrie, Tours, France, (2)Tours, France, (3)Centre de PedoPsychiatrie, Tours, France

9:00 146 132.146 Comparison of Different Treatment Methods on Social Communicative Abilities in Young Children with Autism Spectrum Disorders. S. Van der Paelt[*], P. Warreyn and H. Roeyers, Department of Experimental Clinical and Health Psychology, Ghent University, Ghent, Belgium

10:00 147 132.147 Moment-by-Moment Sequential Analysis of a Social Engagement Intervention for Young Children with Autism and Their Parents. T. W. Vernon[*1] and R. L. Koegel[2], (1)Koegel Autism Center, Department of Counseling, Clinical, & School Psychology, University of California, Santa Barbara, CA, (2)Department of Counseling, Clinical, & School Psychology, University of California, Santa Barbara, CA

11:00 148 132.148 Stress in Parents of Children with Risk for ASD in An Early Intervention Program. S. Dufek[*1], E. C. Worcester[1], L. Schreibman[1], A. C. Stahmer[1,2], K. Pierce[3] and E. Courchesne[4], (1)University of California, San Diego, La Jolla, CA, (2)Rady Children's Hospital, San Diego, CA, (3)Department of Neurosciences and Autism Center of Excellence, University of California, San Diego, San Diego, CA, (4)Department of Neurosciences and Autism Center of Excellence, University of California, San Diego, La Jolla, CA

9:00 149 132.149 Evaluation of Early Intervention Outcome in Young Children with Risk for ASD. E. C. Worcester[*1], S. Dufek[1], L. Schreibman[1], A. C. Stahmer[1,2], K. Pierce[3] and E. Courchesne[4], (1)University of California, San Diego, La Jolla, CA, (2)Rady Children's Hospital, San Diego, San Diego, CA, (3)Department of Neurosciences and Autism Center of Excellence, University of California, San Diego, CA, (4)Department of Neurosciences and Autism Center of Excellence, University of California, San Diego, La Jolla, CA

10:00 150 132.150 The Social ABCs for Toddlers with Suspected Autism: Pilot Evaluation of a Parent-Mediated Intervention. J. A. Brian[*1], I. M. Smith[2], T. McCormick[3], E. Dowds[4], J. C. P. Longard[5], S. W. Roberts[6], L. Zwaigenbaum[7] and S. E. Bryson[2], (1)Bloorview Research Institute, Toronto, ON, Canada, (2)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (3)Psychology, IWK Health Centre, Halifax, NS, Canada, (4)Bloorview Kids Rehab and Hospital for Sick Children/ University of Toronto, Toronto, ON, Canada, (5)Psychology, Dalhousie University, Halifax, NS, Canada, (6)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (7)University of Alberta, Edmonton, AB, Canada

11:00 151 132.151 Examining the Fidelity of Implementation of Comprehensive Treatment Models for Preschoolers with ASD. K. Hume[*], Frank Porter Graham Child Development Institute, University of North Carolina, Chapel Hill, NC

9:00 152 132.152 The Effects of Robot-Child-Child Interactions on Joint Attention and Verbalizations Patterns of Typically Developing Children and Children with ASDs Between 4 to 8 Years of Age. C. Susca[*1], S. Srinivasan[1], M. Kaur[1] and A. Bhat[2], (1)Kinesiology, University of Connecticut, Storrs, CT, (2)University of Connecticut, Storrs, CT

10:00 153 132.153 Measurement, Stability, and Modification of Prelinguistic Symptoms of Autism in Low-Risk Infants. J. Bradshaw[*1,2], L. K. Koegel[2] and R. L. Koegel[1,2], (1)Department of Counseling, Clinical, & School Psychology, University of California, Santa Barbara, CA, (2)Koegel Autism Center, University of California, Santa Barbara, CA

11:00 154 132.154 Moderators of Cognitive Outcomes for Children with Autism Receiving Community-based Early Intervention in Three Settings. A. S. Nahmias[*1,2], C. Kase[3] and D. S. Mandell[2,4], (1)Department of Psychology, University of Pennsylvania, Philadelphia, PA, (2)Children's Hospital of Philadelphia, Center for Autism Research, Philadelphia, PA, (3)University of Pennsylvania, Philadelphia, PA, (4)University of Pennsylvania School of Medicine, Philadelphia, PA

9:00 155 132.155 Implementing Evidence-Based Intervention for Young Children with Autism. V. Nanclares-Nogués[*1], C. P. Rolland[2], M. Cupoli[3], M. DiQuattro[4], S. Gove[5] and M. E. Msall[6], (1)Developmental Pediatrics, Advocate Illinois Masonic Medical Center, Chicago, IL, (2)Developmental Pediatrics, Avocate Illinois Masonic Medical Center, Chicago, IL, (3)Advocate Illinois Masonic Medical Center, Chicago, IL, (4)Developmental Pediatrics, Advocate IL Masonic Medical Center, Chicago, IL, (5)University of Chicago, Chicago, IL, (6)University of Chicago Comer Children's Hospital, Chicago, IL

10:00 156 132.156 Examining Factors Related to Response to Treatment in Autism Spectrum Disorders. K. Fossum[*1], I. M. Smith[2] and S. E. Bryson[2], (1)Psychology, Dalhousie University, Halifax, NS, Canada, (2)Dalhousie University/IWK Health Centre, Halifax, NS, Canada

Poster Sessions
133 - Treatment III: Pharmacologic, Treatment Factors, Outcome Measures
8:00 AM - 12:30 PM - Sheraton Hall

9:00 157 133.157 A Systematic Review of Psychosocial Interventions for Adults with Autism Spectrum Disorders. L. Bishop-Fitzpatrick[*1], S. M. Eack[1] and N. J. Minshew[2], (1)School of Social Work, University of Pittsburgh, Pittsburgh, PA, (2)Psychiatry & Neurology, University of Pittsburgh, Pittsburgh, PA

10:00 158 133.158 Adult Outcomes in Autism: A Prospective Longitudinal Examination of the Effects of Early Intensive Intervention — A 20-Year Follow-up. B. Siegel[*1], T. Sendowski[2], O. Park[3], S. Radhakrishna[3] and W. Phuchareon[3], (1)University of California, San Francisco, CA, (2)Child and Adolescent Psychiatry, University of California, San Francisco, CA, (3)Children's Center at Langley Porter, Child and Adolescent Psychatiry, University of California, San Francisco, CA

11:00 159 133.159 Double-Blind Placebo-Controlled Trial of Methyl B12 Injections for Children with Autism. F. Widjaja[*1], J. E. Choi[1], S. J. James[2], R. E. Frye[3] and R. L. Hendren[4], (1)Department of Child and Adolescent Psychiatry, University of California, San Francisco, CA, (2)University of Arkansas for Medical Sciences, Little Rock, AR, (3)Department of Pediatrics, Arkansas Children's Hospital Research Institute, Little Rock, AR, (4)University of California, San Francisco, CA

9:00 160 133.160 Effects of Video-Modeling Interventions on Social and Communication Skills of Children with Autism Spectrum Disorders: A Meta-Analysis. C. Qi[*1] and Y. L. Lin[2], (1)Educational Specialties, University of New Mexico, Albuquerque, NM, (2)Educational Specialties, University of New Mexico, Albuquerque, NM

10:00 161 133.161 Barriers to Successful Training in Positive Behavior Support: Predictors of Attrition and Success. M. L. Rinaldi[*1], K. V. Christodulu[2] and V. M. Durand[3], (1)Center for Autism and Related Disabilities, University at Albany - SUNY, Albany, NY, (2)Center for Autism and Related Disabilities, University at Albany, SUNY, Albany, NY, (3)University of South Florida, St. Petersburg, FL

11:00 162 133.162 Changes in Autistic Social Impairment with Treatment: Exploration of SRS Treatment Scales. S. W. White[*1], L. Scahill[2] and T. Ollendick[1], (1)Virginia Polytechnic Institute and State University, Blacksburg, VA, (2)School of Medicine, Yale University, New Haven, CT

9:00 163 133.163 Induction of Cellular Stress As a Potential Therapeutic Mechanism for Treatment of Autism. K. Singh[*1], K. D. Smith[2] and A. W. Zimmerman[1], (1)Pediatrics, Lurie Center for Autism, MassGeneral Hospital for Children, Lexington, MA, (2)Kennedy Krieger Institute, Baltimore, MD

10:00 164 133.164 Functional Health Outcomes of An Outdoor Sports Camp for Children with An Autism Spectrum Disorder. H. B. Carroll[*], J. A. Agnew, Z. Pan and R. L. Gabriels, Children's Hospital Colorado/The University of Colorado at Denver and Health Sciences Center, Aurora, CO

11:00 165 133.165 Therapeutic Horseback Riding In Children with Autism Spectrum Disorders. Z. Pan[*1], J. A. Agnew[1], A. Sholffner[2], J. Vendl[3], J. S. Runde[4] and R. L. Gabriels[1], (1)Children's Hospital Colorado / The University of Colorado at Denver and Health Sciences Center, Aurora, CO, (2)Colorado Therapeutic Riding Center, Longmont, CO, (3)Children's Hospital Colorado / The University of Colorado at Denver and Health Sciences Center, Aurora, CO, (4)Children's Hospital Colorado / The University of Colorado at Denver and Health Sciences Center, Aurora, CO

9:00 166 133.166 Movement Skill Trajectories Among Children with ASD. K. Staples* and C. Zimmer, University of Regina, Regina, SK, Canada

10:00 167 133.167 A Qualitative Methods Study of How Parents of Children with Autism Find and Use Information about Interventions. S. J. Gentles*[1], K. A. McKibbon[1], S. Jack[2], D. B. Nicholas[3] and P. Szatmari[4], (1)Clinical Epidemiology and Biostatistics, McMaster University, Hamilton, ON, Canada, (2)School of Nursing, McMaster University, Hamilton, ON, Canada, (3)University of Calgary, Edmonton, AB, Canada, (4)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada

11:00 168 133.168 Diagnosis and Management of Autism Spectrum Conditions in Adults : The Dutch 2012 Guideline. W. J. Verbeeck*[1] and B. B. Sizoo[2], (1)Center for Autism and ADHD, Vincent van Gogh Institute, Venray, Netherlands, (2)Center for Developmental Disorders, Dimence, Deventer, Netherlands

9:00 169 133.169 Strategies for Accessing and Implementing Inclusive Personal Training Programs for Young Adults with Autism. D. Campbell*[1] and K. G. Steiner[2], (1)allAbilitiesFitness, Kingston, ON, Canada, (2)New Leaf Link, Hartington, ON, Canada

10:00 170 133.170 Cerebral Folate Receptor Autoantibodies in Autism Spectrum Disorder. R. E. Frye*[1], J. M. Sequeira[2], E. V. Quadros[2], S. J. James[1] and D. Rossignol[3], (1)University of Arkansas for Medical Sciences, Little Rock, AR, (2)Departments of Medicine/Cell Biology/Biochemistry, SUNY-Downstate Medical Center, Brooklyn, NY, (3)International Child Development Resource Center, Melbourne, FL

11:00 171 133.171 Get FRESH: Evaluation of A Healthy Lifestyles Group for Teens with ASDs and Their Parents. S. Nichols*[1], L. Adamek[2], E. M. Mansdorf[3], S. P. Tetenbaum[1], L. B. Perlis[4] and G. Reilly[5], (1)ASPIRE Center for Learning and Development, Melville, NY, (2)Children's Hospital Boston, Boston, MA, (3)Department of Psychology, Hofstra University, Hempstead, NY, (4)Independent Practice, Columbia, MD, (5)Stony Brook University Medical Center Department of Social Work, Stony Brook University, Stony Brook, NY

9:00 172 133.172 The Effectiveness of a Yoga-based Program on Decreasing Maladaptive Behaviors in School-Aged Children with ASD. K. P. Koenig*[1], A. Buckley-Reen[2] and S. Garg[3], (1)Department of Occupational Therapy, New York University, New York, NY, (2)For Kids OT, PC, Ft. Tilden, NY, (3)New York University, New York, NY

10:00 173 133.173 A Placebo-Controlled, Double-Blinded Study of Minocycline in Children with Fragile X Syndrome. M. J. Leigh*[1], D. Nguyen[2], T. Winarni[3], A. Schneider[1], T. Chechi[1], S. M. Rivera[4], D. Hessl[5] and R. J. Hagerman[1], (1)Pediatrics, U.C. Davis M.I.N.D. Institute, Sacramento, CA, (2)Biostatistics, U.C. Davis, Davis, CA, (3)CEBIOR Diponegoro University, Semarang, Indonesia, (4)Psychology, U.C. Davis Center for Mind & Brain, M.I.N.D. Institute, Davis, CA, (5)Psychiatry, U.C. Davis M.I.N.D. Institute, Sacramento, CA

11:00 ▸174 133.174 Societal Economic Burden of Autism on Families in Oman: A Cross-Sectional Study. Y. M. Al-Farsi*, M. I. Waly, M. Al-Sharbati, S. Al-Fahdi, A. Al-Farsi, S. Al-Suleimani, O. A. Al-Farsi and M. Al-Shafaee, Sultan Qaboos University, Muscat, Oman

9:00 175 133.175 The Feasibility and Efficacy of Problem-solving Therapy in College Students with Autism Spectrum Disorders. C. E. Pugliese* and S. W. White, Virginia Polytechnic Institute and State University, Blacksburg, VA

10:00 176 133.176 Treatment of Fragile X Syndrome with STX209 (arbaclofen): Open-Label Extension Experience. R. J. Hagerman[1], B. Rathmell[2], P. Wang*[3], M. Cherubini[2], R. L. Carpenter[3], M. F. Bear[4] and E. Berry-Kravis[5], (1)Pediatrics, U.C. Davis MIND Institute, Sacramento, CA, (2)Seaside Therapeutics, Cambridge, MA, (3)Seaside Therapeutics, Cambridge, MA, (4)HHMI and MIT, Cambridge, MA, (5)Pediatrics; Biochemistry; Neurological Sciences, Rush University Medical Center, Chicago, IL

11:00 177 133.177 A Systematic Review of Non-Pharmacological Interventions on Sleep Problems in Youth with An Autism Spectrum Disorder. C. A. Brown[1], M. H. Kuo*[1], L. Phillips[2], R. Berry[1] and M. Tan[1], (1)University of Alberta, Edmonton, AB, Canada, (2)Concordia University College of Alberta, Edmonton, AB, Canada

9:00 178 133.178 Extended Release Methylphenidate Is Associated with Cognitive Improvement in Children with ASD and 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. J. Schachar[4], S. W. Jerger[5], R. Mansour[1], D. M. Lane[6], S. Vanwoerden[1], E. Ye[1], P. Narain[1] and L. A. Cleveland[1], (1)Psychiatry & Behavioral Sciences, University of Texas Medical School, Houston, TX, (2)The Nisonger Center UCEDD, Ohio State University, Columbus, OH, (3)Carolina NeuroSolutions, LLC, Charleston, SC, (4)Neurosciences and Mental Health Psychiatry Dept., The Hospital for Sick Children, Toronto, ON, Canada, (5)School of Behavioral and Brain Sciences, University of Texas at Dallas, Richardson, TX, (6)Psychology, Rice University, Houston, TX

10:00 179 133.179 Sex Differences in Co-occurring Conditions of ASD. M. Stacy*[1], B. Zablotsky[2], H. Close[3], B. Makia[4], A. W. Zimmerman[5] and L. C. Lee[3], (1)Epidemiology, Johns Hopkins School of Public Health, Baltimore, MD, (2)Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (3)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (4)Johns Hopkins School of Public Health, Baltimore, MD, (5)Pediatrics, Lurie Center for Autism, Mass General Hospital for Children, Lexington, MA

11:00 180 133.180 The DD-CGAS As a Tool for the Assessment of Global Functioning in Treatment Outcome Research. L. A. Smith*, A. R. Schry and S. W. White, Virginia Polytechnic Institute and State University, Blacksburg, VA

9:00 181 133.181 Measuring Change in Social Competence Observationally in Adults with ASD. S. W. White*[1] and A. Scarpa[2], (1)Psychology, Virginia Polytechnic Institute and State University, Blacksburg, VA, (2)Psychology, Virginia Tech, Blacksburg, VA

10:00 182 133.182 Positive Behavior Supports for Individuals Diagnosed with ASD: Basic Behaviors & Life Skills. A. R. Amraotkar* and M. Boman, Kelly Autism Program, Western Kentucky University, Bowling Green, KY

11:00 183 133.183 Effect of a Vitamin/Mineral Supplement on Children and Adults with Autism. J. Adams*

9:00 184 133.184 A Pilot Study of Oxytocin in Children and Adolescents with Autistic Disorder. L. Sikich[*1,2], T. C. Bethea[1,2] and C. Alderman[2], (1)Department of Psychiatry, University of North Carolina, Chapel Hill, NC, (2)Department of Psychiatry, ASPIRE Research Program, Chapel Hill, NC

10:00 185 133.185 Effects of Ambient Prism Lenses on Autonomic Reactivity to Emotional Stimuli in Autism. G. Sokhadze[1], M. Kaplan[2], E. M. Sokhadze[3], S. M. Edelson[*4], J. M. Baruth[5], A. S. El-Baz[6], M. Hensley[7] and M. F. Casanova[3], (1)Psychology & Brain Sciences, University of Louisville, Louisville, KY, (2)Center for Visual Management, Tarrytown, NY, (3)Psychiatry & Behavioral Sciences, University of Louisville, Louisville, KY, (4)Autism Research Institute, San Diego, CA, (5)Anatomical Sciences & Neurobiology, University of Louisville, Louisville, KY, (6)Bioengineering, University of Louisville, Louisville, KY, (7)University of Louisville, Louisville, KY

11:00 186 133.186 Pre-Treatment Gene Expression and Risperidone Associated Weight Gain in Children with Autism Spectrum Disorders (ASD). J. E. Choi[*1], F. Widjaja[1], A. D. Sossong[2,3], L. Lit[4], F. R. Sharp[5] and R. L. Hendren[1], (1)Department of Child and Adolescent Psychiatry, University of California, San Francisco, CA, (2)Massachusetts General Hospital, Boston, MA, (3)Harvard Medical School, Boston, MA, (4)MIND Institute and Department of Neurology, University of California, Davis, Sacramento, CA, (5)MIND Wet Labs, University of California at Davis, Sacramento, CA

9:00 187 133.187 Metabolic Effects of Tetrahydrobiopterin Treatment. R. E. Frye[*1], R. DeLaTorre[2], H. Taylor[2], S. Melnyk[3] and S. J. James[3], (1)Department of Pediatrics, Arkansas Children's Hospital Research Institute, Little Rock, AR, (2)Children's Learning Institute, University of Texas - Heath, Houston, TX, (3)University of Arkansas for Medical Sciences, Little Rock, AR

10:00 188 133.188 Vocational and Personal Independence Training for Adolescents and Adults with ASD. S. L. Booker[*], T. Gower Foster, K. Ward and S. V. Leew, Society for Treatment of Autism, Calgary, AB, Canada

11:00 ▸ 189 133.189 "Nutritional Supplementation in Children with Autism Spectrum Disorders (ASD) in Qatar: Effects on the Methionine-Transsulfuration Cycle and Behavior". F. T. Al-Rawi[*1], P. Chandra[2], N. H. Al Kadhee[3], A. M. Al-Balsha[1] and L. Hedin[4], (1)Paediatrics, Hamad Medical Corporation, Doha, Qatar, (2)Medical Research Center, Hamad Medical Corporation, Doha, Qatar, (3)Gama Dynacare Labs, Mississauga, ON, Canada, (4)Primary Health Care, Scania County, Åhus, Sweden

9:00 190 133.190 Effects of Oxytocin on Face Processing in Autism. G. Domes[*], Biological Psychology, University of Freiburg, Freiburg, Germany

10:00 191 133.191 Three Cases – 5 Methodologies: 5 Recommendations. S. Shore[*], Williston Park, NY

11:00 192 133.192 Modulation of RhoGTPases by the Bacterial Protein CNF1 Improves the Neurobehavioural Phenotype in a Mouse Model of Rett Syndrome. B. De Filippis[*1], A. Fabbri[2], D. Simone[1], R. Canese[1], F. Malchiodi-Albedi[1], L. Ricceri[1], C. Fiorentini[2] and G. Laviola[1], (1)Cell Biology and Neuroscience, Istituto Superiore di Sanità, Roma, Italy, (2)Therapeutic Research and Medicines Evaluation, Istituto Superiore di Sanità, Roma, Italy

9:00 193 133.193 Behavioral Intervention: Severe Behavior Follow-up Program. A. R. Reavis[*1], N. A. Parks[1], B. R. Lopez[1] and N. A. Call[2], (1)Marcus Autism Center & Children's Healthcare of Atlanta, Atlanta, GA, (2)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory University School of Medicine, Atlanta, GA

10:00 194 133.194 An Innovative Behavioral Treatment for Restrictive, Rigid Behaviors Displayed in Persons with ASD. L. A. Oakes[*1], D. A. Napolitano[2], T. Smith[3] and V. M. Knapp[4], (1)University of Rochester, Rochester, NY, (2)Division of Neurodevelopmental and Behavioral Pediatrics, University of Rochester Medical Center, Rochester, NY, (3)University of Rochester, Rochester, NY, (4)Summit Academy, Getzville, NY

11:00 195 133.195 A Structured Indirect Assessment of Problem Behavior Severity. N. A. Parks[*1], D. E. Conine[1], B. R. Lopez[1] and N. A. Call[2], (1)Marcus Autism Center & Children's Healthcare of Atlanta, Atlanta, GA, (2)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory University School of Medicine, Atlanta, GA

9:00 196 133.196 The Affect of Delays to Treatment Outcome on How Caregivers of Children with ASDs Value Treatments. N. A. Call[*1], A. R. Reavis[2] and A. J. Findley[2], (1)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory University School of Medicine, Atlanta, GA, (2)Marcus Autism Center & Children's Healthcare of Atlanta, Atlanta, GA

10:00 197 133.197 Cognitive-Kinesthetic Integration: Using a Novel Multifaceted Model and Exercise to Target Compliance, Challenging Behaviors and Stereotypy in Autism. K. Ibrahim[*1] and J. Zarcone[2], (1)Graduate Institute of Professional Psychology, University of Hartford, West Hartford, CT, (2)Kennedy Krieger Institute, Johns Hopkins School of Medicine, Baltimore, MD

11:00 198 133.198 Analysis of Demand Assessments in the Treatment of Severe Behavior. J. C. Mintz[*1], N. A. Call[2] and N. A. Parks[1], (1)Marcus Autism Center & Children's Healthcare of Atlanta, Atlanta, GA, (2)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory University School of Medicine, Atlanta, GA

9:00 199 133.199 Social Validity and the Children with Hyperactivity and Autism Research Treatment Study. J. A. Hollway[*1], P. A. Sayre[2], M. G. Aman[3], L. E. Arnold[4], T. Smith[5] and B. L. Handen[6], (1)IDD Psychology, Nisonger Center, The Ohio State University, Columbus, OH, (2)Nisonger Center, Ohio State University, Columbus, OH, (3)The Nisonger Center UCEDD, The Ohio State University, Columbus, OH, (4)The Nisonger Center UCEDD, Ohio State University, Columbus, OH, (5)Neurodevelopmental and Behavioral Pediatrics, University of Rochester Medical Center, Rochester, NY, (6)University of Pittsburgh School of Medicine, Pittsburgh, PA

10:00 200 133.200 Auditory-Motor Mapping Training and Language-Related Pathways in Minimally Verbal Children with ASD. C. Y. Wan[*], A. Landers, A. Norton and G. Schlaug, Neurology, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA

11:00 201 133.201 Treatment of Ritualistic Behavior Using Principles of Behavioral Economics. L. A. Pepa[*1], C. Manente[1], J. Maraventano[2], A. Shcherbakov[1], S. Wichtel[1], I. Jorge[1], E. Thomas[3] and R. H. LaRue[1], (1)Rutgers University- Douglass Developmental Disabilities Center, New Brunswick, NJ, (2)Rutgers University – Douglass Developmental Disabilities Center, New Brunswick, NJ, (3)Rutgers University – Douglass Developmental Disabilities Center, New Brunswick, NJ

9:00 202 133.202 Factors Predicting Continued Bicycle Riding Success in Youth with Autism Spectrum Disorders. J. L. Hauck[*1] and L. R. Ketcheson[2], (1)University of Michigan, Ann Arbor, MI, (2)School of Kinesiology, University of Michigan, Ann Arbor, MI

10:00 203 133.203 Self-Determination Measures with College Students Diagnosed with Asperger. M. Boman[*] and A. R. Amraotkar, Kelly Autism Program, Western Kentucky University, Bowling Green, KY

11:00 204 133.204 Development and Interrater Reliability of a New Measure of Functional Behaviour Skills for Children with Autism Spectrum Disorder. B. Lorv[*1], J. A. Reitzel[2], J. Summers[3], P. Szatmari[4], L. Zwaigenbaum[5], S. Georgiades[4], E. Duku[4] and M. Gandolfo[1], (1)McMaster University, Hamilton, ON, Canada, (2)McMaster Children's Hospital/McMaster University, Hamilton, ON, Canada, (3)McMaster Children's Hospital/McMaster University, Hamilton, ON, Canada, (4)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (5)University of Alberta, Edmonton, AB, Canada

9:00 205 133.205 The Early Learning Measure As a Predictor for 12- Month Adaptive Behavior Outcomes for Children with Autism and Intellectual Disabilities. J. Summers[*1], J. A. Reitzel[2], D. Lee[3], L. Zwaigenbaum[4], P. Szatmari[5], S. Georgiades[5], E. Duku[5] and K. A. Baird[6], (1)McMaster Children's Hospital/McMaster University, Hamilton, ON, Canada, (2)McMaster Children's Hospital/McMaster University, Hamilton, ON, Canada, (3)McMaster University, Hamilton, ON, Canada, (4)University of Alberta, Edmonton, AB, Canada, (5)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (6)Psychology, Neuroscience, and Behaviour, McMaster University, Ancaster, ON, Canada

10:00 206 133.206 Validation of the Conversation Participation Rating Scale. G. R. Timler[*1] and W. Boone[2], (1)Speech Pathology & Audiology, Miami University, Oxford, OH, (2)Educational Psychology, Miami University, Oxford, OH

11:00 207 133.207 Autism Symptoms and the Functions of Problem Behavior. K. Pelzel[*1], D. P. Wacker[2], S. D. Lindgren[2], Y. C. Padilla[3], J. F. Lee[3], T. Kopelman[4], J. Kuhle[5] 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, (4)Pediatrics, University of Iowa Children's Hospital, Iowa City, IA, (5)University of Iowa Hospitals and Clinics, Iowa City, IA

9:00 208 133.208 Evidence of Frequent Psychotropic Medication Use Among Children with Autism Spectrum Disorders and Their Family Members. A. Jain[*1], D. Spencer[2], J. Marshall[1], C. J. Newschaffer[3], G. Yang[1], L. J. Lawer[4] and T. Dennen[1], (1)The Lewin Group, Falls Church, VA, (2)Health Economics and Outcomes Research, Optum Insight, Eden Prairie, MN, (3)Drexel University School of Public Health, Philadelphia, PA, (4)University of Pennsylvania School of Medicine, Philadelphia, PA

10:00 209 133.209 The Effect of a Co-Robot Therapist On Repetitive Behaviors During Applied Behavior Analysis In Individuals with Autism Spectrum Disorders. E. A. Klinepeter[*1], N. M. Shea[2], B. Thomas[3], M. Van Ness[1], J. Kumar[1], S. L. Mazur[4], M. A. Millea[2], K. Wier[2], M. Villano[2], C. R. Crowell[2] and J. J. Diehl[1], (1)Center for Children and Families, University of Notre Dame, Notre Dame, IN, (2)Psychology, University of Notre Dame, Notre Dame, IN, (3)Northwestern University, Evanston, IL, (4)Department of Psychology, University of Notre Dame, Notre Dame, IN

11:00 210 133.210 Influence of Symptom Severity and Adaptive Behavior Functioning of Children with Autism Spectrum Disorders On Parental Adherence to Treatment Recommendations. K. Tang[*1], A. Dammann[2], E. Nash[2], K. DiPiero[3], K. A. Uhland[1] and J. J. Diehl[1,4], (1)Psychology, University of Notre Dame, Notre Dame, IN, (2)University of Notre Dame, Notre Dame, IN, (3)St. Mary's College, Notre Dame, IN, (4)Center for Children and Families, University of Notre Dame, Notre Dame, IN

9:00 211 133.211 Medication Use Among a Cohort of Adolescents with An Autism Spectrum Disorder. M. Maye[*1], F. Martinez-Pedraza[1], T. W. Soto[1], D. K. Anderson[2], C. E. Lord[2] and L. Wainwright[1], (1)University of Massachusetts, Boston, MA, (2)Institute for Brain Development, Weill Cornell Medical College, White Plains, NY

10:00 212 133.212 The Role of a Biomarker in the Double Blind Placebo – Controlled Study of CM-AT in Children with Autistic Disorder Ages 3-8. J. Fallon[*1] and M. Heil[2], (1)Rye, NY, (2)Curemark LLC, Rye, NY

11:00 213 133.213 Effectiveness of a Rapid Toilet Training Workshop for Parents of Children with Autism and Other Developmental Disabilities. K. Rinald[1] and P. Mirenda[*2], (1)Vancouver, BC, Canada, (2)University of British Columbia, Vancouver, BC, Canada

1:30-3:30P	**IES** – Grand Ballroom Centre Progress, Pitfalls, and Potential of Postmortem Human Brain Research on Autism			1:00-5:30P **Poster Session** – Sheraton Hall Cognition & Behavior I Cognition & Behavior II Cognition & Behavior III Cognition & Behavior IV Cognition & Behavior V
1:30-3:30P	**Oral Session** – Grand Ballroom East Early Developmental Processes and Trajectories in ASD: Infant and Toddler Studies	**Oral Session** – Grand Ballroom West Core Symptoms	**Oral Session** – Osgoode Ballroom East Stakeholder Experience	
3:30-4:00P	Break – Sheraton Hall			
4:00-5:00P	**Session**: An Update on the DSM-5 Recommendations for Autism Spectrum Disorder and Other Neurodevelopmental Disorders – Grand Ballroom Centre			
4:00-5:00P	**Scientific Panel** – Grand Ballroom East CNVs in ASD Molecular Findings, Clinical Outcomes and Ethical – Implications	**Scientific Panel** – Grand Ballroom West Social Perception in Toddlers with ASD: Methodological and Conceptual Considerations	**Scientific Panel** – Osgoode Ballroom East Lullaby and Good Night or Tomorrow Is Gonna Be A Tough Day: Research Predictions for the Influence of Disturbed Sleep and What We Can Do	
5:00-6:00P	**Scientific Panel** – Grand Ballroom East Disrupted Neural Circuitry in Autism	**Scientific Panel** – Grand Ballroom West Challenges for Children with ASD in School: Teaching Strategies and Learning Outcomes	**Scientific Panel** – Osgoode Ballroom East Implications of DSM-5 Criteria for the Recognition of Autism Spectrum Disorders: Clinical and Epidemiological Considerations	

Invited Educational Symposium
134 - Progress, Pitfalls, and Potential of Postmortem Human Brain Research on Autism
1:30 PM - 3:30 PM - Grand Ballroom Centre

Session Chair: C. M. Schumann; *UC Davis M.I.N.D. Institute*

Postmortem human brain tissue studies uniquely span multiple disciplines, including neuroanatomy, neurochemistry, molecular biology and genetics; a single brain donation is often used for several programs in each of these fields around the world. Although autism research on postmortem human brain tissue is still in its infancy, a heightened emphasis on understanding the neurobiology of autism has led to a dramatic increase in progress over the last decade. As investigators from widely varying backgrounds enter this field in an attempt to uncover the neurobiological underpinnings of brain development in autism, they are often surprised by how little is known and frustrated by the modest amount of quality tissue available. Successfully uncovering consistent types of neuropathology of autism spectrum disorders will require the availability of more abundant, high‐quality postmortem tissue, the application of modern neuroanatomical and genetic methodologies, and multidisciplinary collaborations. This topic is ideal for an educational symposium because it brings together experts at the top of their field from very different backgrounds, from neuropathology to genetics, to share one rare resource. This topic will therefore be of interest to a broad audience. We propose to have each of these experts provide insight into how postmortem human brain tissue, using methods from their respective fields, can lead to understanding the causes of, developing treatments for, and finding cures for autism spectrum disorders.

1:30 134.001 Progress in Understanding the Neurobiology of Autism. D. G. Amaral*, UC Davis M.I.N.D. Institute, Sacramento, CA

2:00 134.002 The Neurochemical Profile of Autism. G. J. Blatt*, Boston University School of Medicine, Boston, MA

2:30 134.003 Environmental Vulnerability and Oxidative Damage in Autism. J. James*, Arkansas Children's Hospital Research Institute, Little Rock, AR

3:00 134.004 Gene Expression in the Central Nervous System in Autism. D. H. Geschwind*, University of California at Los Angeles, Los Angeles, CA

Oral Sessions
135 - Early Developmental Processes and Trajectories in ASD: Infant and Toddler Studies
1:30 PM - 3:30 PM - Grand Ballroom East

1:30 135.001 Developmental Differences At 6 and 12 Months Associated with ASD Outcomes in a High-Risk Infant Cohort. L. Zwaigenbaum[*1], A. M. Estes[2], H. Gu[3], J. T. Elison[4,5], S. Paterson[6], K. Botteron[7], H. C. Hazlett[8], J. Piven[9,10] and I. B. I. S. Network[11], (1)University of Alberta, Edmonton, AB, Canada, (2)Speech and Hearing Sciences, University of Washington, Seattle, WA, (3)University of North Carolina, Chapel Hill, NC, (4)University of North Carolina, Chapel Hill, NC, (5)California Institute of Technology, Pasadena, CA, (6)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (7)Washington University

School of Medicine, St. Louis, MO, (8)Carolina Institute for Developmental DIsabilities, University of North Carolina, Chapel Hill, NC, (9)Psychiatry, University of North Carolina, Chapel Hill, NC, (10)The Carolina Institute for Developmental Disabilities, University of North Carolina, Chapel Hill, NC, (11)Autism Center of Excellence, Chapel Hill, NC

1:45 135.002 The Attunement of Visual Salience From 2 until 24 Months in TD and ASD Infants. J. D. Jones[*], A. Klin and W. Jones, Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA

2:00 135.003 "Sticky Attention" in Autism: Children Who Fail to Disengage Show Greater Symptoms and More Impaired Social Attention and Intersensory Processing. L. E. Bahrick[*], J. T. Todd, J. Vasquez and B. Yusko, Psychology, Florida International University, Miami, FL

2:15 135.004 Developmental Trajectories of Attention to Social and Nonsocial Events As a Function of Chronological and Mental Age in Children with Autism and Typical Development. J. T. Todd[*], L. E. Bahrick, J. Vasquez and B. Yusko, Psychology, Florida International University, Miami, FL

2:30 135.005 ASD Toddlers Present Deficits in Their Ability to Track Social Cues of Others. E. B. Gisin[*1], A. Dowd[2], G. M. Chen[2], F. Shic[2] and K. Chawarska[2], (1)Child Study Center, Yale University School of Medicine, New Haven, CT, (2)Child Study Center, Yale University School of Medicine, New Haven, CT

2:45 135.006 Measuring Interactive Developmental Pathways in ASD: A Dual-Domain Latent Growth Curve Model. T. Bennett[*1], P. Szatmari[1], S. Hanna[2], M. Janus[1], E. Duku[3], S. Georgiades[1], S. E. Bryson[4], E. Fombonne[5], P. Mirenda[6], W. Roberts[7], I. M. Smith[4], T. Vaillancourt[8], J. Volden[9], C. Waddell[10], L. Zwaigenbaum[9] and A. Thompson[1], (1)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (2)CANChild Centre for Childhood Disability Research, McMaster University, Hamilton, ON, Canada, (3)Room 203, Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (4)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (5)Psychiatry, McGill University, Montreal, QC, Canada, (6)University of British Columbia, Vancouver, BC, Canada, (7)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (8)University of Ottawa, Ottawa, ON, Canada, (9)University of Alberta, Edmonton, AB, Canada, (10)Simon Fraser University, Vancouver, BC, Canada

3:00 135.007 Unique Acoustic Characteristics of Children with Autism and Their Caregivers: A Comparison with Language Delayed and Typically Developing Counterparts. D. Xu[*1], J. Gilkerson[1], J. A. Richards[1] and S. Rosenberg[2], (1)LENA Research Foundation, Boulder, CO, (2)University of Colorado Denver, Aurora, CO

3:15 135.008 Motor Development and Its Relation to Cognitive and Language Development in Young Children At High Risk for ASD. R. J. Landa[*], Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD; Johns Hopkins School of Medicine, Baltimore, MD

Oral Sessions
136 - Core Symptoms
1:30 PM - 3:30 PM - Grand Ballroom West

1:30 136.001 Developmental Course of Symptom Severity in Preschool Children with ASD. P. Szatmari[*1], S. Georgiades[1], E. Duku[1], A. Thompson[1], S. E. Bryson[2], E. Fombonne[3], P. Mirenda[4], W. Roberts[5,6], I. M. Smith[2], T. Vaillancourt[7], J. Volden[8], C. Waddell[9] and L. Zwaigenbaum[8], (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)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (6)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (7)University of Ottawa, Ottawa, ON, Canada, (8)University of Alberta, Edmonton, AB, Canada, (9)Simon Fraser University, Vancouver, BC, Canada

1:45 136.002 Assessment of Social Communication in Infants At High Risk for Autism Spectrum Disorders: A Comparison of Contexts. M. V. Parladé[*] and J. M. Iverson, University of Pittsburgh, Pittsburgh, PA

2:00 136.003 Profiles of Sensory Processing in Children At High and Low Genetic Risk for ASD. M. Levine[*1], K. Caravella[2], Y. Stern[3] and C. A. Saulnier[4], (1)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA, (2)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA, (3)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory School of Medicine, Atlanta, GA, (4)Marcus Autism Center, Children's Healthcare of Atlanta & Emory University School of Medicine, Atlanta, GA

2:15 136.004 Longitudinal Associations Between An Eye-Tracking Measure of Social Responsiveness and Social Symptoms. K. Gillespie-Lynch[*1], M. Sigman[2], S. P. Johnson[3] and T. Hutman[4], (1)Psychology, UCLA, Los Angeles, CA, (2)University of California, Los Angeles, CA, (3)University of California, Los Angeles, CA, (4)Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA

2:30 136.005 Emotion Recognition in Autism Spectrum Disorder (ASD) and Attention Deficit Hyperactivity Disorder (ADHD): An Analysis of Dimensional Constructs of the Phenotype and Their Co-Occurrence. K. L. Ashwood[*1], B. Azadi[1], S. Cartwright[1], P. Asherson[2] and P. F. Bolton[3], (1)Child and Adolescent Psychiatry, Institute of Psychiatry, Kings College, London, United Kingdom, (2)MRC Social, Genetic and Developmental Psychiatry, Institute of Psychiatry, Kings College, London, United Kingdom, (3)Child and Adolescent Psychiatry, Institute of Psychiatry, London, United Kingdom

2:45 136.006 Respiratory Sinus Arrhythmia in Children with ASD: A Biomarker for Positive Functioning. M. Patriquin[1], A. Scarpa[*1], B. H. Friedman[1] and S. W. Porges[2], (1)Department of Psychology, Virginia Tech, Blacksburg, VA, (2)Department of Psychiatry, University of Illinois at Chicago, Chicago, IL

3:00 136.007 Respiratory Sinus Arrhythmia and Facial Electromyography in Children with ASD. E. Bal[*1], E. Harden[2], A. V. Van Hecke[3], D. Lamb[4] and S. W. Porges[5], (1)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (2)University of Illinois at Chicago, Chicago, IL, (3)Psychology, Marquette University, Milwaukee, WI, (4)Emory University, Atlanta, GA, (5)Department of Psychiatry, University of Illinois at Chicago, Chicago, IL

3:15 136.008 Language Profiles of Individuals with a History of ASD Who Have Optimal Outcomes. K. E. Tyson[*1], E. Troyb[2], A. Orinstein[2], L. Best[3], M. Helt[2], I. M. Eigsti[4], M. Barton[2], L. Naigles[2], E. A. Kelley[5], M. A. Rosenthal[6], M. C. Stevens[7], R. T. Schultz[8] and D. A. Fein[2], (1)Psychology, University of Connecticut, Storrs, CT, (2)University of Connecticut, Storrs, CT, (3)Psychology, Queen's University, Kingston, ON, Canada, (4)University of Connecticut, Storrs, CT, (5)Department of Psychology, Queen's University, Kingston, ON, Canada, (6)Children's National Medical Center, Center for Autism Spectrum Disorders, Bethesda, MD, (7)The Institute of Living, Hartford Hospital/Yale University, Hartford, CT, United States, (8)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA

Oral Sessions
137 - Stakeholder Experience
1:30 PM - 3:30 PM - Osgoode Ballroom East

1:30 137.001 Beyond ASD: Developmental Outcomes of High Risk Siblings. D. S. Messinger[*1], G. S. Young[2], S. Ozonoff[2], L. Zwaigenbaum[3], K. R. Dobkins[4], A. S. Carter[5], T. Charman[6], R. J. Landa[7], M. S. Strauss[8], J. N. Constantino[9], S. E. Bryson[10], L. J. Carver[4], T. Hutman[11], J. M. Iverson[12], S. J. Rogers[2], M. Sigman[13], W. L. Stone[14] and Z. Warren[15], (1)University of Miami, Coral Gables, FL, (2)Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA, (3)University of Alberta, Edmonton, AB, Canada, (4)University of California, San Diego, La Jolla, CA, (5)University of Massachusetts Boston, Boston, MA, (6)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (7)Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD, (8)Psychology, University of Pittsburgh, Pittsburgh, PA, (9)Washington University School of Medicine, Saint Louis, MO, (10)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (11)University of California, Los Angeles, CA, (12)University of Pittsburgh, Pittsburgh, PA, (13)University of California, Los Angeles, CA, (14)University of Washington, Seattle, WA, (15)Vanderbilt University, Nashville, TN

1:45 137.002 Shared Decision-making (SDM) and the Treatment of Autism Spectrum Disorders (ASDs). S. E. Levy[*1], S. Colantonio[2], H. Reed[2], G. Stein[3], V. McGoldrick[4], D. S. Mandell[5,6] and A. G. Fiks[7], (1)Center for Autism Research, Children's Hospital of Philadelphia/ University of Pennsylvania, Philadelphia, PA, (2)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (3)Center for Autism Research, Philadelphia, PA, (4)Children's Hospital of Philadelphia, Philadelphia, PA, (5)Psychiatry, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, (6)Children's Hospital of Philadelphia, Center for Autism Research, Philadelphia, PA, (7)Pediatrics, Children's Hospital of Philadelphia/University of Pennsylvania, Philadelphia, PA

2:00 137.003 Prevalence and Consequences of Elopement in Autism Spectrum Disorders. P. A. Law[*1], J. K. Law[1], C. M. Anderson[1], A. M. Daniels[2] and D. S. Mandell[3,4], (1)Medical Informatics, Kennedy Krieger Institute, Baltimore, MD, (2)Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (3)Children's Hospital of Philadelphia, Center for Autism Research, Philadelphia, PA, (4)Psychiatry, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA

2:15 137.004 Polypharmacy Profiles and Predictors Among Adults with Autism Spectrum Disorders. J. K. Lake[*1,2], Y. Lunsky[1] and K. Azimi[1,2], (1)Centre for Addiction and Mental Health, Toronto, ON, Canada, (2)Psychiatry, University of Toronto, Toronto, ON, Canada

2:30 137.005 The Impact of a Student's Diagnosis of Autism Spectrum Disorder on General Education Teachers' Attitudes. L. Hiruma[*], K. V. Christodulu and M. L. Rinaldi, Center for Autism and Related Disabilities, University at Albany, SUNY, Albany, NY

2:45 137.006 Spotting Autism in Early Childcare Settings (SPAECS): Workshops to Increase Knowledge and Confidence in Autism for Early Childcare Workers. M. Lopez[1], J. Bellando[*1,2], C. Lloyd[3] and Z. Fetterman[2], (1)University of Arkansas for Medical Sciences, Little Rock, AR, (2)Pediatrics, University of Arkansas for Medical Sciences, Little Rock, AR, (3)Social Work, University of Arkansas at Little Rock, Little Rock, AR

3:00 137.007 Lack of Correspondence Between Self- and Parent-Report on Structured Psychiatric Interviews of Adolescents with High-Functioning Autism Spectrum Disorders. C. A. Mazefsky[*1], A. J. Hughes[2], D. P. Oswald[3] and J. E. Lainhart[4], (1)3811 O'Hara, University of Pittsburgh, Pittsburgh, PA, (2)University of Pittsburgh, Pittsburgh, PA, (3)Commonwealth Autism Service, Richmond, VA, (4)Interdepartmental Program in Neuroscience, University of Utah, Salt Lake City, UT

3:15 137.008 'How Has This Child Affected Your Life?': Parents' Reports on the Impact of ASD. F. K. Miller[*1], C. B. Sorensen[2] and L. R. Kowalski[2], (1)University of Michigan, Ann Arbor, MI, (2)Center for Human Growth and Development, University of Michigan, Ann Arbor, MI

Poster Sessions
138 - Cognition and Behavior I
1:00 PM - 5:30 PM - Sheraton Hall

1:00 1 138.001 Neglected Dimension: Regulation of Affect and Attention in Toddlers with ASD. J. Koller[*], K. Chawarska and S. Macari, Child Study Center, Yale University School of Medicine, New Haven, CT

2:00 2 138.002 An Eye Tracking Study of Rapid Automatized Naming Ability in Adult Siblings of Individuals with ASD. A. H. Hogan-Brown[*], K. M. Lynn, B. D. Kravis, B. B. Thomas and M. Losh, The Roxelyn and Richard Pepper Department of Communication Sciences and Disorders, Northwestern University, Evanston, IL

3:00 3 138.003 Competence Syntactic-Semantic Ambiguity Test in Children with Autism and Specific Language Impairment. A. C. Tamanaha[*1], S. M. Isotani[2], M. Ishihara[2], A. E. Chaves[3], M. Bevilacqua[4], R. C. Nascimbeni[2], A. Fiori[2], M. C. Rosario[2] and J. Perissinoto[5], (1)São Paulo, (2)UNIFESP, São Paulo, Brazil, (3)UNIFESP, São Paulo, Brazil, (4)UNIFESP, São Paulo, Brazil, (5)Universidade Federal de Sao Paulo, São Paulo, Brazil

1:00 4 138.004 EEG Mu Wave Attenuation in Broader Phenotype ASD. E. Massand[*1], B. Aaronson[1], R. T. Lowy[2], S. J. Webb[1], E. M. Wijsman[2] and R. Bernier[1], (1)University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA

2:00 5 138.005 Eye-Tracking Established As a Reliable Test-Retest Measure in Adolescents with ASD: Visual Attention to Social and Non-Social Stimuli. M. H. McDermott[*1], H. W. Kang[1], J. Parish-Morris[2], C. Chevallier[1], J. C. Bush[1] and R. T. Schultz[1], (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)University of Pennsylvania, Philadelphia, PA

3:00 6 138.006 The Use of Prosodic and Syntactic Cues to Understand Intent in Discourse by Children with Autism Spectrum Disorders. S. L. Mazur[*1], J. J. Diehl[2] and L. Bennetto[3], (1)Department of Psychology, University of Notre Dame, Notre Dame, IN, (2)Psychology, University of Notre Dame, Notre Dame, IN, (3)University of Rochester, Rochester, NY

1:00 7 138.007 Cue-Driven Face Scanning in Typical and Atypical Development. R. Bedford[*1], M. Elsabbagh[2], A. Senju[2], T. Charman[1], A. Pickles[3], M. H. Johnson[4] and BASIS team[2], (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, King's College, London, United Kingdom, (4)Centre for Brain and Cognitive Development, Birkbeck, University of London, London, United Kingdom

2:00 8 138.008 Eye-Tracking Measures of Reading Comprehension and Autistic Traits. N. J. Caruana and J. Brock[*], Centre for Cognition and its Disorders, Macquarie University, Sydney, Australia

3:00 9 138.009 Non-Specificity of Theory of Mind in Children with and without Autism Spectrum Disorder (ASD): Evidence From a New Non-Verbal False Sign Task. L. S. Iao[*1] and S. R. Leekam[2], (1)University of Hong Kong, Hong Kong, (2)Park Place, Cardiff University, Cardiff, Wales

1:00 10 138.010 An Investigation of Jumping to Conclusions in Asperger Syndrome. C. Jänsch and D. Hare[*], Division of Clinical Psychology, University of Manchester, Manchester, United Kingdom

2:00 11 138.011 Awareness but Avoidance: Gaze Behaviour in Adolescents with ASD Versus Controls. S. C. Louwerse[*1], J. N. van der Geest[2], J. H. Tulen[3], F. C. Verhulst[4] and K. Greaves-Lord[4,5], (1)Department of Child & Adolescent Psychiatry and Psychology, Erasmus MC – Sophia's Children's Hospital, Rotterdam, Netherlands, (2)Neuroscience, Erasmus MC, Rotterdam, Netherlands, (3)Psychiatry, Erasmus MC, Rotterdam, Netherlands, (4)Department of Child & Adolescent Psychiatry and Psychology, Erasmus MC – Sophia's Children's Hospital, Rotterdam, Netherlands, (5)Yulius, Rotterdam, Netherlands

3:00 12 138.012 When Cartoon Differ From Real Faces: Affective Priming in Children with High-Functioning Autism. D. Rosset[*1,2], D. Da Fonseca[1,2], M. Picut[1,2], M. Viellard[1,2], T. Krouch[2], F. Poinso[1,2] and C. Deruelle[1], (1)Neurosciences Institute of La Timone, Marseille, France, (2)Autism Ressource Center, Marseille, France

1:00 13 138.013 Negative Versus Positive Emotion Identification in Children with Autism Spectrum Disorders. J. Lorenzi[*], K. F. Ostmeyer-Kountzman and A. Scarpa, Psychology, Virginia Tech, Blacksburg, VA

2:00 14 138.014 Spontaneous Facial Emotion Discrimination in Individuals with Autism Spectrum Disorders and Fragile X Syndrome. H. R. Mace[*1], J. Moss[1], C. Oliver[1], G. Anderson[2] and J. McCleery[2], (1)Cerebra Centre for Neurodevelopmental Disorders, University of Birmingham, Birmingham, United Kingdom, (2)University of Birmingham, Birmingham, United Kingdom

3:00 15 138.015 Individuals with Autism Exhibit Reduced Sensitivity to Infant Cuteness. N. J. Sasson[*1], D. J. Faso[1], D. D. Langleben[2] and R. C. Gur[2], (1)University of Texas at Dallas, Richardson, TX, (2)University of Pennsylvania, Philadelphia, PA

1:00 16 138.016 Alignment of Induced EEG Oscillations Improves Analysis of Autism and ADHD Responses in Facial Categorization Task. E. R. Gross[1], A. S. El-Baz[1], G. Sokhadze[2], L. L. Sears[3], M. F. Casanova[4] and E. M. Sokhadze[*4], (1)Bioengineering, University of Louisville, Louisville, KY, (2)Psychology & Brain Sciences, University of Louisville, Louisville, KY, (3)Pediatrics, University of Louisville, Louisville, KY, (4)Psychiatry & Behavioral Sciences, University of Louisville, Louisville, KY

2:00 ▸ 17 138.017 Distribution of Autistic Traits in a Taiwanese Population of Children Aged 6-8 Years. C. L. Chang[*1], L. C. Lee[2], R. A. Harrington[2], I. T. Li[3], P. C. Tsai[2], P. Yang[4] and F. W. Lung[5], (1)Psychiatry, Kaohsiung Armed Forces General Hospital, Kaohsiung, Taiwan, (2)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (3)Calo Hospital, Pingtung, Taiwan, (4)Psychiatry, Kaohsiung Medical University, Kaohsiung, Taiwan, (5)Taipei City Psychiatric Center, Taipei City Hospital, Taipei, Taiwan

3:00 18 138.018 Dr. M. W. Wan[*], University of Manchester, Manchester, United Kingdom

1:00 19 138.019 Did You See That Change? A Study of Dyspraxia, Eye Movement and Visual Perception in Autism. L. Chukoskie[*1], M. Miller[2], C. Kanan[3], M. Dorai[4], J. Townsend[5] and D. Trauner[6], (1)Institute for Neural Computation, UCSD, La Jolla, CA, (2)Department of Medicine, UCSD, La Jolla, CA, (3)Computer Science, UCSD, La Jolla, CA, (4)Cognitive Science, UCSD, La Jolla, CA, (5)Neurosciences, University of California, San Diego, CA, (6)Neurosciences, University of California, San Diego, La Jolla, CA

2:00 20 138.020 Emotional Understanding in Children with and without Autism Spectrum Disorder. S. M. Merwin[*1], P. A. Rao[2] and R. J. Landa[3,4], (1)Center for Autism & Related Disorders, Kennedy Krieger Institute, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD, (3)Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD, (4)Johns Hopkins School of Medicine, Baltimore, MD

3:00 21 138.021 Infant Siblings At Risk for ASD: Directed and Non-Directed Gesture Use in Infants and Related Maternal Communication Behaviours. S. Mitchell[*1,2], W. Roberts[3,4], J. A. Brian[1,5] and L. Zwaigenbaum[6], (1)Hospital for Sick Children, Toronto, ON, Canada, (2)Speech-Language Pathology, University of Toronto, Toronto, ON, Canada, (3)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (4)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (5)Bloorview Research Institute, Toronto, ON, Canada, (6)University of Alberta, Edmonton, AB, Canada

1:00 22 138.022 Group Differences in Feature Scanning While Learning Novel Faces. J. A. Walsh[*] and M. D. Rutherford, Psychology, Neuroscience and Behaviour, McMaster University, Hamilton, ON, Canada

2:00 23 138.023 Manipulation of Physical Contingencies Induces Change in Visual Scanning of Natural Scenes in Infants with ASD Relative to Typically Developing Infants. 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

3:00 24 138.024 Parent-Child Interaction Quality and Empathy in Toddlers At Risk for An ASD. N. M. McDonald[*1], H. Gordon[1], J. K. Baker[2] and D. S. Messinger[1], (1)Psychology, University of Miami, Coral Gables, FL, (2)College of Health and Human Development, California State University, Fullerton, CA

1:00 25 138.025 Parsing Heterogeneity in Autism Spectrum Disorders Using Measures of Dynamic Visual Scanning. J. M. Moriuchi[*1], K. A. Rice[2], W. Jones[1] and A. Klin[1], (1)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA, (2)Department of Psychology, University of Maryland, College Park, MD

2:00 26 138.026 Inferring the Facial Expression From the Social Context in Children with Autism Spectrum Disorders. S. Matsuda[*] and J. Yamamoto, Department of Psychology, Keio University, Tokyo, Japan

3:00 27 138.027 Direct Evidence for Configural Face Processing in ASD: Use of a Gaze-Contingent Stimulus Presentation. J. Steyaert[*1,2,3], K. Evers[1,3,4], G. Van Belle[4,5], I. L. J. Noens[1,6,7] and J. Wagemans[1,4], (1)Leuven Autism Research, K.U. Leuven, Leuven, Belgium, (2)Clinical Genetics, University Hospital Maastricht, Maastricht, Netherlands, (3)Child Psychiatry, Department of Neurosciences, K.U. Leuven, Leuven, Belgium, (4)Laboratory of Experimental Psychology, K.U. Leuven, Leuven, Belgium, (5)Institute of research in Psychology (IPSY); Institute of Neuroscience (IoNS); Center for Cognitive and Systems Neuroscience, University of Louvain La Neuve (UCL), Louvain- La-Neuve, Belgium, (6)Parenting and Special Education Research Unit, K.U.Leuven, Leuven, Belgium, (7)Psychiatric and Neurodevelopmental Genetics Unit, Massachusetts General Hospital, Boston, MA

1:00 28 138.028 What Engages Children with Autism Spectrum Disorders When Viewing Naturalistic Social Scenes?. S. Shultz[*1], A. Klin[2] and W. Jones[2], (1)Yale University, New Haven, CT, (2)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA

2:00 29 138.029 Combining Viewing Patterns and Socio-Emotional Insight Questions in Dynamic Social Scenes in Children with Autism Spectrum Disorder (ASD). K. Evers[*1,2,3], F. Hermens[1], I. L. J. Noens[2,4,5], J. Steyaert[2,3,6] and J. Wagemans[1,2], (1)Laboratory of Experimental Psychology, K.U. Leuven, Leuven, Belgium, (2)Leuven Autism Research, K.U. Leuven, Leuven, Belgium, (3)Child Psychiatry, Department of Neurosciences, K.U. Leuven, Leuven, Belgium, (4)Parenting and Special Education Research Unit, K.U.Leuven, Leuven, Belgium, (5)Psychiatric and Neurodevelopmental Genetics Unit, Massachusetts General Hospital, Boston, MA, United Kingdom, (6)Clinical Genetics, University Hospital Maastricht, Maastricht, Netherlands

3:00 30 138.030 Local and Global Processing and the Effect of Context on Emotional Expression and Object Recognition in High Functioning Adolescents with ASD. D. Ben-Yosef[*1], D. Anaki[1,2] and O. Golan[1], (1)Department of Psychology, Bar-Ilan University, Ramat-Gan, Israel, (2)Gonda Multidisciplinary Brain Center, Bar-Ilan University, Ramat-Gan, Israel

1:00 31 138.031 Attention Capture by and Preference for Faces with Direct Gaze in Toddlers with ASD, DD, and TD. K. O'Loughlin[*], S. Macari, F. Shic and K. Chawarska, Child Study Center, Yale University School of Medicine, New Haven, CT

2:00 32 138.032 Spontaneous Gaze Following within a Naturalistic Social Situation in Children and Adolescents with Autism Spectrum Disorders. E. Birmingham[1], K. H. Johnston[*2], T. Foulsham[3], B. Larryant[4], A. Stemer[2], A. Kingstone[5] and G. Iarocci[2], (1)Faculty of Education, Simon Fraser University, Burnaby, BC, Canada, (2)Psychology, Simon Fraser University, Burnaby, BC, Canada, (3)Psychology, University of Essex, Essex, United Kingdom, (4)Faculty of Education, University of British Columbia, Vancouver, BC, Canada, (5)Psychology, University of British Columbia, Vancouver, BC, Canada

3:00 33 138.033 Viewing Patterns of Naturalistic Scenes Differ Between Typically Developing Children and Those with Autism Spectrum Disorders in the Second Year of Life. P. Lewis[*], S. Habayeb, T. Tsang, W. Jones and A. Klin, Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA

1:00 34 138.034 Special Interests in Adults with Autism and Their Potential for Employment. J. C. Kirchner[*1,2], S. Dern[2], D. Müller-Remus[2] and I. Dziobek[1], (1)Cluster of Excellence "Languages of Emotion", Freie Universität Berlin, Berlin, Germany, (2)Auticon, Berlin, Germany

2:00 35 138.035 Too Much, Too Little, Too Late: Structure of Personal Narratives of Emerging Adults With and Without Autism Spectrum Disorder. A. McCabe[*1], A. Hillier[1] and C. Shapiro[2], (1)Psychology, University of Massachusetts Lowell, Lowell, MA, (2)University of Massachusetts Lowell, Lowell, MA

Poster Sessions
139 - Cognition and Behavior II
1:00 PM - 5:30 PM - Sheraton Hall

1:00 36 139.036 Children with ASD Do Not Benefit From Being Oriented to the Most Informative Part of the Face When Classifying Emotions. L. Whitaker[*1], C. Jones[2] and D. Roberson[3], (1)Department of Psychology, University of Essex, Essex, United Kingdom, (2)Department of Psychology, University of Essex, Colchester, United Kingdom, (3)Department of Psychology, University of Essex, Colchester, United Kingdom

2:00 37 139.037 Evidence That the Local Processing Bias in Autism Is Modulated by the Social Deficits. S. N. Russell-Smith[*], M. T. Maybery and D. M. Bayliss, School of Psychology, University of Western Australia, Perth, Australia

3:00 38 139.038 Bullying and Victimization In Children with ASD; The Mediating Role of Basic and Moral Emotions. C. Rieffe[*1], M. Camodeca[2], L. B. Pouw[1], A. Lange[1] and L. Stockmann[3], (1)Developmental Psychololgy, Leiden University, Leiden, Netherlands, (2)Department of Neurosciences and Imaging, University of Chieti, Chieti, Italy, (3)Center for Autism, Leiden, Netherlands

1:00 39 139.039 The Effect of Perspective and Training on Imitation in Autism. E. Gowen[*1], K. S. Wild[2] and E. Poliakoff[3], (1)Faculty of Life Sciences, University of Manchester, Manchester, United Kingdom, (2) National Institute of Health Research, Mental Health Research Network, Manchester, United Kingdom, (3)School of Psychological Sciences, University of Manchester, Manchester, United Kingdom

2:00 ▸ 40 139.040 Perception and Discrimination of Emotional Faces in Children with Autism Spectrum Disorders. C. Wang[*] and M. Jiang, Center for Behavioural Science, School of Medicine, Nankai University, Tianjin, China

3:00 41 139.041 Play and Emotional Availability in Mother-Child Interaction with ASD Children. A. Bentenuto[1], S. De Falco[2], G. Esposito[2], M. H. Bornstein[3] and P. Venuti[*2], (1)University of Trento, Rovereto, Italy, (2)University of Trento, Trento, Italy, (3)NIHCD, Bethesda, MD

1:00 42 139.042 Gender Differences in Theory of Mind and Its Impact on Social Skills. R. M. Hiller[*], N. Weber and R. L. Young, School of Psychology, Flinders University of South Australia, Adelaide, Australia

2:00 43 139.043 Measuring Play Constructs Across Measures in Young Children with ASD: Context Matters. J. M. Pierucci[*1], A. B. Barber[1], M. E. Crisler[2], M. K. DeRamus[3] and L. G. Klinger[4], (1)University of Alabama – ASD Clinic, Tuscaloosa, AL, (2)University of Alabama, Tuscaloosa, AL, (3)Autism Spectrum Disorders Clinic, University of Alabama, Tuscaloosa, AL, United States, (4)TEACCH, University of North Carolina School of Medicine, Chapel Hill, NC

3:00 44 139.044 Drawing Out Inner Feelings: Visual Expression and Recognition of Emotions in Drawings by Children with ASD. J. C. P. Longard[*1], S. E. Bryson[2] and I. Gericke[3], (1)Psychology, Dalhousie University, Halifax, NS, Canada, (2)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (3)Creative Arts Therapies, Concordia University, Montreal, QC, Canada

1:00 45 139.045 Future Thinking, Theory of Mind, and Executive Function in Children with Autism. L. K. Hanson[*] and C. M. Atance, Psychology, University of Ottawa, Ottawa, ON, Canada

2:00 46 139.046 Facial Emotion Recognition and Gender Categorization Abilities As Predictors of Social Functioning in Adults with High-Functioning Autism. L. Sperle[*1], C. A. A. Best[2], K. Rump[3], H. Z. Gastgeb[4] and M. S. Strauss[1], (1)University of Pittsburgh, Pittsburgh, PA, (2)University of Pittsburgh, University of Pittsburgh, Pittsburgh, PA, United States, (3)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (4)University of Pittsburgh, Pittsburgh, PA

3:00 47 139.047 Social Orientation Among School-Age Children with Autism. J. A. Hobson[*1], P. Hobson[2], R. Edey[3], R. Hithersay[4] and C. S. Mich[5], (1)Institute of Child Health, UCL, London, United Kingdom, (2)Institute of Child Health, University College London and Tavistock Clinic, London, London, United Kingdom, (3)Institute of Child Health, London, United Kingdom, (4)University College London, London, United Kingdom, (5)Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, CA

1:00 48 139.048 Visual Processing Strategies Used for Face Perception in School-Aged Autistic Children. J. Guy[*1,2,3], K. Morin[1,4], C. Habak[5], H. R. Wilson[6], L. Mottron[3] and A. Bertone[1,3,7], (1)Perceptual Neuroscience Laboratory for Autism and Development (PNLab), Montreal, QC, Canada, (2)Integrated Program in Neuroscience, McGill University, Montreal, QC, Canada, (3)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montreal, QC, Canada, (4)School of Psychoeducation, University of Montreal, Montreal, QC, Canada, (5)Visual Perception and Psychophysics Lab, Université de Montréal, and Centre de Recherche, Institut Universitaire de Gériatrie de Montréal, Montreal, QC, Canada, (6)Biological & Computational Vision, Toronto, ON, Canada, (7)School/Applied Psychology, Dept of Educational and Counselling Psychology, McGill University, Montreal, QC, Canada

2:00 49 139.049 Nonverbal Communication in Children with Autism Spectrum Disorders Interacting with Their Mothers: The Importance of An Accurate Analysis of Gestural Production. M. Mastrogiuseppe[*1], O. Capirci[2], S. Cuva[1] and P. Venuti[1], (1)University of Trento, Trento, Italy, (2)Institute of Cognitive Sciences and Technologies (ISTC), CNR, Rome, Italy

3:00 50 139.050 Do Children with ASD Use Imitation to Acquire Negation Markers?. C. A. Navarro-Torres[*1], A. Tovar[2], D. A. Fein[3,4] and L. Naigles[3], (1)Psychology, University of Connecticut, Storrs, CT, (2)Psychology, University of Connecticut, Storrs, CT, (3)University of Connecticut, Storrs, CT, (4)Department of Psychology, University of Connecticut, Storrs, CT

1:00 51 139.051 Visual Scanning of Familiar and Unfamiliar Faces in 12-Month-Olds Later Diagnosed with ASD. J. B. Wagner[*1], R. Luyster[1], H. Tager-Flusberg[2] and C. A. Nelson[1], (1)Laboratories of Cognitive Neuroscience, Children's Hospital Boston/Harvard Medical School, Boston, MA, (2)Department of Psychology, Boston University, Boston, MA

2:00 52 139.052 Social Environment Influences on Mental State Understanding in Children with or without Autism. T. Gliga[*1], A. Senju[2], T. Charman[3], M. H. Johnson[4] and The BASIS Team[5], (1)Birkbeck College, London, United Kingdom, (2)Birkbeck, University of London, London, United Kingdom, (3)Institute of Education, London, United Kingdom, (4)Centre for Brain and Cognitive Development, Birkbeck, University of London, London, United Kingdom, (5)Birkbeck College University of London, London, United Kingdom

3:00 53 139.053 The Relationship Between Theory of Mind and Autobiographical Memory Retrieval. B. Dritschel[*1,2], G. Rajendran[3] and A. Jones[4], (1)University of St. Andrews, St. Andrews, United Kingdom, (2)School of Psychology, University of St. Andrews, St. Andrews, United Kingdom, (3)University of Strathclyde, Glasgow, United Kingdom, (4)School of Psychology, University of St. Andrews, St. Andrews, United Kingdom

1:00 54 139.054 The Relationship Between Inhibition and Social Skills in Children with High Functioning Autism Spectrum Disorders. R. L. Matchullis[*], A. McCrimmon, K. Jitlina and A. A. Altomare, University of Calgary, Calgary, AB, Canada

2:00 55 139.055 Face Processing and Its Correlation to Theory of Mind in Autism Spectrum Disorders. J. C. Bush[*1], C. Chevallier[1], K. Rump[1], J. Parish-Morris[2] and R. T. Schultz[1], (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)University of Pennsylvania, Philadelphia, PA

3:00 56 139.056 Friendship Networks and Social Inclusion in Young People with Autism. L. Calder[1], V. Hill[2] and E. Pellicano[*3], (1)Children and Young People's Service, Haringey Council, London, United Kingdom, (2)Department of Psychology and Human Development, Institute of Education, London, United Kingdom, (3)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom

1:00 57 139.057 The Emergence of Imitation: Preliminary Findings From a Prospective Study of Younger Siblings of Children with Autistic Spectrum Disorders. A. Boudreau[*1], I. M. Smith[2], J. Brian[3], S. E. Bryson[2], N. Garon[4], W. Roberts[5], C. Roncadin[6], P. Szatmari[7] and L. Zwaigenbaum[8], (1)Dalhousie University, Halifax, NS, Canada, (2)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (3)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (4)Mount Allison University, Sackville, NB, Canada, (5)University of Toronto, Toronto, ON, Canada, (6)Peel Children's Centre, Mississauga, ON, Canada, (7)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (8)University of Alberta, Edmonton, AB, Canada

2:00 58 139.058 Social Cognition and Emotion in Autism and Personality Disorders: A Functional Perspective. J. C. L. M. Duijkers[*1,2], C. T. W. M. Vissers[1,3], W. J. Verbeeck[4], A. Arntz[5] and J. I. M. Egger[1,3,6], (1)Centre of Excellence for Neuropsychiatry, Vincent van Gogh Institute for Psychiatry, Venray, Netherlands, (2)Division for Addiction, Vincent van Gogh Institute for Psychiatry, Venray, Netherlands, (3)Donders Institute for Brain, Cognition and Behaviour, Centre for Cognition, Radboud University Nijmegen, Nijmegen, Netherlands, (4)Centre for Autism and ADHD, Vincent van Gogh Institute for Psychiatry, Venray, Netherlands, (5)Maastricht University, Maastricht, Netherlands, (6)Behavioural Science Institute, Radboud University, Nijmegen, Netherlands

3:00 59 139.059 Psychometric Analysis of the Empathy Quotient (EQ). C. Allison[*1], S. Baron-Cohen[1], S. Wheelwright[2], M. H. Stone[3] and S. J. Muncer[4], (1)Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (2)University of Southampton, Southampton, United Kingdom, (3)Aurora University, Aurora,, IL, (4)Teesside University, Middlesbrough, United Kingdom

1:00 60 139.060 Differences in Visual Field Preference In Emotion Recognition Between Children with Autism Spectrum Disorders and Typical Development. R. Hansen[*1] and F. R. Ferraro[2], (1)Grand Forks, ND, (2)University of North Dakota, Grand Forks, ND

2:00 ▸ 61 139.061 Expression of Autistic Traits and Attention to Social and Perceptual Context in South Asia: Culture Meets Biology. M. K. Belmonte[*1], S. Basu[2], S. Nusrat[3] and J. Basu[3], (1)National Brain Research Centre, Manesar, India, (2)S.N. Pradhan Centre for Neurosciences, University of Calcutta, Kolkata, India, (3)Applied Psychology, University of Calcutta, Kolkata, India

3:00 62 139.062 Early Joint Attention Predicts Children with ASDs Subsequent Performance on Comprehension Tasks. J. Park[*1], S. Tek[2], D. A. Fein[1] and L. Naigles[1], (1)University of Connecticut, Storrs, CT, (2)Johns Hopkins University, Baltimore, MD

1:00 63 139.063 Selective Deficits in Mental State Attributions in Individuals with Velocardiofacial Syndrome (22q11.2 Deletion Syndrome). J. Ho[1], P. D. Radoeva[*2], M. Jalbrzikowski[3], C. Chow[1], J. Hopkins[1], K. M. Antshel[2], W. Fremont[2], R. J. Shprintzen[2], C. E. Bearden[3] and W. R. Kates[2], (1)Department of Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, CA, (2)SUNY Upstate Medical University, Syracuse, NY, (3)Department of Psychology, University of California, Los Angeles, CA

2:00 64 139.064 Understanding of Intentions in Action by High Functioning Children with Autism Spectrum Disorder. J. D. Knutsen* and D. A. Frye, Applied Psychology-Human Development, University of Pennsylvania, Philadelphia, PA

3:00 65 139.065 Emotional Functioning and Social Problems in Young Children with ASD. E. Oberwelland[1], C. Rieffe*[2] and L. Stockmann[3], (1)Developmental Psychololgy, Leiden University, Leiden, Netherlands, (2)Developmental Psychology, Leiden University, Leiden, Netherlands, (3)Center for Autism, Leiden, Netherlands

1:00 66 139.066 Regulation of Activity Level and Affective Responses in Toddlers with ASD. A. Dowd*, E. Gisin, F. Shic, S. Macari and K. Chawarska, Child Study Center, Yale University School of Medicine, New Haven, CT

2:00 67 139.067 Social Motivation Is Correlated with Face Processing Skill in Children with ASD. N. A. Tonge*[1], C. Chevallier[1], J. Parish-Morris[2], J. Letzen[1] and R. T. Schultz[1], (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)University of Pennsylvania, Philadelphia, PA

3:00 68 139.068 Social Responsiveness in Relation to Peer Interactions in Preschoolers: The Role of Executive Functions. H. A. Henderson*, L. Mohapatra, K. E. Ono and D. S. Messinger, Psychology, University of Miami, Coral Gables, FL

1:00 69 139.069 Physiologic Responses to Emotion-Eliciting Task for Children with ASD. H. Dauterman*[1], B. J. Wilson[1], R. Montague[2], C. Manangan[1], K. Hamilton[3] and R. Miller[4], (1)Clinical Psychology, Seattle Pacific University, Seattle, WA, (2)Seattle Children's Hospital, Seattle, WA, (3)Seattle Pacific University, Seattle, WA, (4)Seattle Pacific University, Seattle, WA

2:00 70 139.070 Emotion Regulation of Preschoolers with ASD During Dyadic Interaction with Mother and Father: Behavioral and Physiological Markers. Y. Hirschler-Guttenberg*[1], O. Golan[1,2], S. Ostfeld-Etzion[1] and R. Feldman[1,3], (1)Department of Psychology, Bar-Ilan University, Ramat-Gan, Israel, (2)The Association for Children at Risk, Tel Aviv, Israel, (3)The Gonda Brain Center, Bar-Ilan University, Ramat Gan, Israel

3:00 71 139.071 Eye Contact Enhances the Accuracy of Hand Imitation In Children with ASD. Y. Kikuchi*[1], Y. Tojo[2], H. Osanai[3] and T. Hasegawa[4], (1)Japan Society for the Promotion of Science, Tokyo, Japan, (2)Ibaraki University, Mito, Japan, (3)Musashino Higashi Gakuen, Tokyo, Japan, (4)The University of Tokyo, Tokyo, Japan

1:00 72 139.072 Who Is Talking and About What ? Conversation about Personal Events in Autism. S. Goldman*[1], D. DeNigris[2] and K. Nelson[3], (1)Neurology & Pediatrics, Albert Einstein College of Medicine, Bronx, NY, (2)Psychology, City University of New York, New York, NY, (3)Psychology, City University of New York, New York, NY

2:00 73 139.073 Face, Mouth, Versus Eyes: A Comparison of Emotion Recognition in Children with ASD and Typical Development. B. J. Wilson[1], K. E. McKee*[2], J. L. Berg[2], K. Hamilton[3], M. Gorman[2] and E. Werst[2], (1)Clinical Psychology, Seattle Pacific University, Seattle, WA, (2)Seattle Pacific University, Seattle, WA, (3)Seattle Pacific University, Seattle, WA

3:00 74 139.074 Social Attribution to 'Triangles Playing Tricks' Is Diminished and Improves Less with Age in Children with High Functioning Autism Spectrum Disorders. E. Bal*[1], B. Yerys[1], J. L. Sokoloff[1], M. Celano[2], L. Kenworthy[1], J. Giedd[3] and G. L. Wallace[4], (1)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (2)National Institute of Mental Health, Bethesda, MD, (3)Child Psychiatry Lab, National Institute of Mental Health, Bethesda, MD, (4)NIMH,National Institute of Mental Health, Bethesda, MD

1:00 75 139.075 Early Attentional Processing of Affective Faces in Toddlers with ASD. J. Garzarek*, S. Macari, K. Chawarska and F. Shic, Child Study Center, Yale University School of Medicine, New Haven, CT

2:00 76 139.076 The Development of Anticipatory Smiling in Infants At Risk for Autism Spectrum Disorders. D. N. Gangi*, C. J. Grantz, B. Lambert and D. S. Messinger, University of Miami, Coral Gables, FL

3:00 77 139.077 Making the Choice: Style, Path, or Goal? Imitation in Autism Spectrum Disorders. J. Mussey*[1,2] and L. G. Klinger[1,3], (1)University of Alabama, Tuscaloosa, AL, (2)JFK Partners, University of Colorado Denver, Denver, CO, (3)TEACCH, University of North Carolina School of Medicine, Chapel Hill, NC

1:00 78 139.078 Temperamental Risk Factors for Bullying in HFA. A. K. Stefanatos*[1], A. R. Neal-Beevers[1], L. Sperle[2] and B. C. Gamber[1], (1)University of Texas at Austin, Austin, TX, (2)University of Pittsburgh, Pittsburgh, PA

2:00 79 139.079 Advanced Theory of Mind Assessment in Adults with High-Functioning Autism. M. L. McEntee*[1], S. Kuo[1], E. Lacey[1], M. A. Andrejczuk[1], L. Bosley[1], A. Cooper[1] and B. Gordon[1,2], (1)Cognitive Neurology/Neuropsychology, Department of Neurology, The Johns Hopkins University School of Medicine, Baltimore, MD, (2)Department of Cognitive Science, The Johns Hopkins University, Baltimore, MD

3:00 80 139.080 Predicting Emotion Recognition Bias From Emotion Description in Adolescents with and without Autism. L. D'Abreu*[1], A. R. Neal-Beevers[1], L. Sperle[2], T. Wells[3], B. C. Gamber[1] and A. K. Stefanatos[1], (1)University of Texas at Austin, Austin, TX, (2)University of Pittsburgh, Pittsburgh, PA, (3)Brown University, Providence, RI

1:00 81 139.081 Development of Advanced Theory of Mind Paradigm. T. Oswald*[1], M. A. Winter-Messiers[1], C. Palmrose[1], A. M. Schmidt[1] and L. Moses[2], (1)University of Oregon, Eugene, OR, (2)University of Oregon, Eugene, OR

Poster Sessions
140 - Cognition and Behavior III
1:00 PM - 5:30 PM - Sheraton Hall

1:00 82 140.082 Vocational Outcomes of Adults with ASD: Patterns Over Time and Relation to Daily Living Skills. J. L. Taylor*[1] and M. M. Seltzer[1], (1)Vanderbilt Kennedy Center, Nashville, TN, (2)Waisman Center, University of Wisconsin, Madison, WI

WITHDRAWN

2:00 83 140.083 Daily Living Skills of Adolescents and Adults with Autism Spectrum Disorders: Growth Curve Trajectories Over a 10-Year Period. L. E. Smith*, M. J. Maenner, J. S. Greenberg and M. M. Seltzer, Waisman Center, University of Wisconsin, Madison, WI

3:00 84 140.084 Head Lag in Infants At Risk for Autism. J. E. Flanagan[*1], R. J. Landa[2], A. Bhat[3] and M. Bauman[4], (1)Occupational Therapy, Kennedy Krieger Institute, Baltimore, MD, (2)Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD, (3)University of Connecticut, Storrs, CT, (4) Lurie Center/LADDERS, Lexington, MA

1:00 85 140.085 Repetitive Stereotyped Behaviour Impacts Gesturing Behaviour Across Childhood in Children with ASD. V. Lee[*1], S. Georgiades[2], P. Szatmari[2,3], S. E. Bryson[4], E. Fombonne[5,6], P. Mirenda[7], W. Roberts[8,9], I. M. Smith[4], T. Vaillancourt[10], J. Volden[11], C. Waddell[12] and L. Zwaigenbaum[11], (1)Psychology, Behaviour, and Neuroscience, McMaster University, Hamilton, ON, Canada, (2)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (3)Psychiatry and Behavioural Neurosciences, McMaster University, Hamilton, ON, Canada, (4)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (5)Montreal Children's Hospital, Montreal, QC, Canada, (6)Psychiatry, McGill University, Montreal, QC, Canada, (7)University of British Columbia, Vancouver, BC, Canada, (8)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (9)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (10)University of Ottawa, Ottawa, ON, Canada, (11)University of Alberta, Edmonton, AB, Canada, (12)Simon Fraser University, Vancouver, BC, Canada

2:00 86 140.086 The Motor and Learning Questionnaire: Assessing 3 Domains of the Mullen Scales of Early Learning Via Parent Report. K. Libertus[*1,2] and R. J. Landa[1,2], (1)Johns Hopkins School of Medicine, Baltimore, MD, (2)Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD

3:00 ▸ 87 140.087 Dietary Intake and Parents' Perception of Mealtime Behaviors and Feeding History in Chinese Children with Autism: Comparison with Typically Developing Children. L. Xia[*1], W. Xia[2], C. H. Sun[2] and L. J. Wu[2], (1)The First Hospital of Harbin Medical University, Harbin, China, (2)Harbin Medical University, Harbin, China

1:00 88 140.088 Utility of the Psychoeducational Profile-3 for Assessing Children with Autism Spectrum Disorders. M. Fulton[*1] and B. D'Entremont[2], (1)The University of New Brunswick, Fredericton, NB, Canada, (2)University of New Brunswick, Fredericton, NB, Canada

2:00 89 140.089 Using a Newly Developed Computer-based Program to Evaluate Learning of Visuomotor Procedures in Children with Autism: A Pilot Study. L. Sparaci[*1,2], M. Vespignani[3], D. Formica[4], L. D'Elia[5], G. Valeri[6] and S. Vicari[7], (1)Institute of Cognitive Sciences and Technologies (ISTC), National Research Council of Italy (CNR), Rome, Italy, (2)Neuroscience Department, Children's Hospital Bambino Gesù, Rome, Italy, (3)Biorobotics Laboratory, École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland, (4)Biomedical Robotics and Biomicrosystems Lab, Università Campus Bio-Medico, Rome, Italy, (5)Neuroscience Department, Children's Hospital Bambino Gesù, Rome, Italy, (6)Neuroscience Department, Children's Hospital Bambino Gesù, Rome, Italy, (7)U.O.C. Neuropsichiatria Infantile, Dipartimento di Neuroscienze, Ospedale Pediatrico Bambino Gesù, Rome, Italy

3:00 90 140.090 Goal-Directed Action Control in Children with Autism. H. M. Geurts[*1] and S. de Wit[2], (1)University of Amsterdam, Amsterdam, NH, Netherlands, (2)Clinical Psychology, University of Amsterdam, Amsterdam, Netherlands

1:00 91 140.091 Preserved Mimicry in Children with Autism; Enhanced Mimicry in Children with Williams Syndrome. E. J. Moody[*1], D. N. McIntosh[2], A. Lindsay[3], A. Turner[4] and S. Hepburn[5], (1)University of Colorado, Denver, CO, (2)University of Denver, Denver, CO, (3)Psychiatry, University of Colorado Denver School of Medicine, Aurora, CO, (4)Psychology, University of Denver, Denver, CO, (5)University of Colorado Denver, Anscutz Medical Campus, Aurora, CO

2:00 92 140.092 Illusion Susceptibility Indicates a Two-Factor Structure for the Systemizing Trait of Autism. P. Dassonville[*] and S. Reed, Psychology Department and Institute of Neuroscience, University of Oregon, Eugene, OR

3:00 93 140.093 Evidence for Veridical Perceptual Mapping in Savant Syndrome: A Case Study. L. Bouvet[*1,2], S. Donnadieu[2,3], S. Valdois[1,2,4] and L. Mottron, M.D.[5], (1)Laboratoire de Psychologie et Neurocogniton, Université Pierre Mendes France, Grenoble, France, (2)Laboratoire de Psychologie et Neurocognition, Grenoble, France, (3)Laboratoire de Psychologie et Neurocogniton, Université de Savoie, Chambéry, France, (4)Centre National de la Recherche Scientifique, Paris, France, (5)Centre d'excellence en Troubles envahissants du développement de l'Université de Montréal (CETEDUM), Montreal, QC, Canada

1:00 94 140.094 Computer-based Assessments of Executive Functions in Preschoolers with and without ASD: The Relations to Parent Ratings of Social and Behavioural Functioning. E. Gardiner[*1], S. Hutchison[2], M. Miller[2], U. Mueller[2], K. Kerns[2] and G. Iarocci[1], (1)Psychology, Simon Fraser University, Burnaby, BC, Canada, (2)Psychology, University of Victoria, Victoria, BC, Canada

2:00 95 140.095 A Pilot Study on the Relationship Between Restricted Repetitive Behaviors and Mothers' Stress. M. Kuroda[*1] and N. Inada[2], (1)Department of Psychology, Shukutoku University, Chiba, Japan, (2)National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan

3:00 96 140.096 Cognitive and Behavioural Correlates of Handedness in Autism and the Broader Phenotype. D. L. Floris[*1], L. R. Chura[1], R. J. Holt[2], S. Baron-Cohen[1] and M. D. Spencer[3], (1)Department of Psychiatry, Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (2)Department of Psychiatry, Autism Research Centre, University of Cambridge, Cambridge, United Kingdom, (3)Autism Research Centre, University of Cambridge, Cambridge, England, United Kingdom

1:00 97 140.097 Sensitivity to Visual and Proprioceptive Error During Motor Adaptation in Children with Autism. M. K. Marko[*1], S. H. Mostofsky[2,3] and R. Shadmehr[1], (1)Johns Hopkins University, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD, (3)Johns Hopkins School of Medicine, Baltimore, MD

2:00 98 140.098 Sensory Symptoms in Autism Families. H. H. Goldsmith and L. Meyer*, Psychology, University of Wisconsin, Madison, WI

3:00 99 140.099 Perception of Motion Complexity Is Deficient in Adults with Autism Spectrum Disorder. J. L. Haworth[*1,2], W. Fisher[3], S. Vallabhajosula[1] and N. Stergiou[1,2], (1)Nebraska Biomechanics Core Facility, University of Nebraska at Omaha, Omaha, NE, (2)College of Public Health, University of Nebraska Medical Center, Omaha, NE, (3)Center for Autism Spectrum Disorders, Munroe-Meyer Institute, University of Nebraska Medical Center, Omaha, NE

1:00 100 140.100 Autistic People Talk about Themselves: A Qualitative Analysis of Internet Discussion Forums. E. Dromi* and M. Pascal, School of Education, Tel Aviv University, Tel Aviv, Israel

2:00 101 140.101 Do Sensory Processing Deficits Impact on Speech Encoding in ASD? Evidence from an Experimental Study of Intellectually High-Functioning Adults. J. Mayer* and P. Heaton, Goldsmiths College, University of London, London, England

3:00 102 140.102 Impact of Sensorimotor Deficits in Adaptive Behavior in ADHD Associated with or without HFA. C. Mattard-Labrecque[*1], M. Couture[2] and L. BenAmor[1], (1)Laval University, Québec, QC, Canada, (2)Sherbrooke University, Sherbrooke, QC, Canada

1:00 103 140.103 Impaired Peripheral Sound Localization Is Associated with Repetitive Behaviors and Sensory Abnormalities in Individuals with ASD. J. H. Foss-Feig[*1], C. N. Wilson[2], J. Cockhren[1], J. R. Pryweller[1], C. A. Necessary[3], C. P. Burnette[4], R. A. Stevenson[5], J. K. Siemann[1] and C. J. Cascio[5], (1)Vanderbilt University, Nashville, TN, (2)Yale University, New Haven, CT, (3)Vanderbilt University School of Medicine, Nashville, TN, (4)Department of Pediatrics, University of New Mexico, Albuquerque, NM, (5)Vanderbilt University Medical Center, Nashville, TN

2:00 104 140.104 The Developmental Trajectories of Multisensory Integration Differ Between Autistic and Typicaly Developed Individuals. R. A. Stevenson[*1], J. K. Siemann[2], H. E. Eberly[2], B. C. Schneider[2], T. G. Woynaroski[1], J. H. Foss-Feig[3], S. M. Camarata[1] and M. T. Wallace[1], (1)Hearing and Speech Sciences, Vanderbilt University Medical Center, Nashville, TN, (2)Vanderbilt University, Nashville, TN, (3)Psychology, Vanderbilt University, Nashville, TN

3:00 105 140.105 Investigating the Structure of Restricted and Repetitive Behaviours in High-Functioning ASD. O. Baykaner[*1], W. P. Mandy[2], S. Staunton[3], D. H. Skuse[4] and C. Willis[3], (1)Behavioral & Brain Sciences Unit, Institute of Child Health, London, United Kingdom, (2)University College, London, United Kingdom, (3)Social Communication Disorders Clinic, Great Ormond Street Hospital, London, United Kingdom, (4)Institute of Child Health, London, United Kingdom

1:00 106 140.106 The TEACCH Transition Assessment – Preliminary Findings in a Sample of Young Adults with Autism. S. M. Butler[*1], N. R. Saghy[2], D. K. Anderson[2] and C. E. Lord[2], (1) Institute for Brain Development, Weill Cornell Medical College, White Plains, NY, (2)Institute for Brain Development, Weill Cornell Medical College, White Plains, NY

2:00 107 140.107 Socially Contextualized Multisensory Integration in Autism. J. I. Borjon[*1], S. V. Shepherd[2], A. Trubanova[1], 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

3:00 108 140.108 Characterization and Profiling of the Tactile Sensory Behavior in Children with Autism Spectrum Disorders. M. H. Ly*, M. J. Ackerman, A. Klin and W. Jones, Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA

1:00 109 140.109 Objective Metrics for Cognitive-Dependent Motor Learning Gains. E. B. Torres[*1], R. W. Isenhower[2], K. Fiske Massey[3], M. J. Bamond[3], D. N. Metaxas[4] and J. V. Jose[5], (1)Psychology-Cognitive Science-Computer Science, Rutgers University, Piscataway, NJ, (2)Department of Psychology, Rutgers University, Piscataway, NJ, (3)Douglass Developmental Disabilities Center, Rutgers University, New Brunswick, NJ, (4)Department of Computer Science, Rutgers University, Piscataway, NJ, (5)Department of Physics, Indiana University, Bloomington, IN

2:00 110 140.110 Enhanced Processing of Pitch Direction in Children with Autism Spectrum Disorder. N. E. Foster[*1,2], T. Ouimet[1,2], A. Tryfon[1,2], K. A. R. Doyle-Thomas[3], E. Anagnostou[3], NeuroDevNet ASD imaging group[4] and K. L. Hyde[2,5], (1)Faculty of Medicine, Montreal Children's Hospital, McGill University, Montreal, QC, Canada, (2)International Laboratory for Brain Music and Sound (BRAMS), Montreal, QC, Canada, (3)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (4)http://www.neurodevnet.ca/research/asd, Vancouver, BC, Canada, (5)McGill University, International Laboratory for Brain Music and Sound (BRAMS), Montreal, QC, Canada

3:00 111 140.111 Shifting Visual Attention During Natural Viewing in 12-24-Month-Old Children with Autism. S. Habayeb[*1], K. Knoch[2], W. Jones[1] and A. Klin[1], (1)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA, (2)Department of Psychology, University of Connecticut, Storrs, CT

1:00 112 140.112 Self-Reported Food Selectivity in Adolescents and Young Adults with Autism Spectrum Disorders. E. S. Kuschner[*1], B. L. Robustelli[2], E. Dixon[3], L. Kenworthy[4] and G. L. Wallace[2], (1)Children's National Medical Center, Washington, DC, (2)Laboratory of Brain & Cognition, National Institute of Mental Health, Bethesda, MD, (3)Lab of Brain and Cognition, NIMH, Bethesda, MD, (4)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD

2:00 113 140.113 Low-Level Auditory-Motor Synchronization in Children with Autism Spectrum Disorder. A. Tryfon[*1,2], N. E. Foster[1,2], T. Ouimet[1,2], K. A. R. Doyle-Thomas[3], E. Anagnostou[3], NeuroDevNet ASD imaging group[4] and K. L. Hyde[1,2], (1)International Laboratory for Brain Music and Sound (BRAMS), Montreal, QC, Canada, (2)Faculty of Medicine, Montreal Children's Hospital, McGill University, Montreal, QC, Canada, (3)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (4)http://www.neurodevnet.ca/research/asd, Vancouver, BC, Canada

3:00 114 140.114 Auditory Global-Local Processing in Children with Autism Spectrum Disorders. T. Ouimet[*1,2], N. E. Foster[1,2], A. Tryfon[1,2], K. A. R. Doyle-Thomas[3], E. Anagnostou[3], NeuroDevNet ASD Imaging Group[4] and K. L. Hyde[1,2], (1)Faculty of Medicine, Montreal Children's Hospital, McGill University, Montreal, QC, Canada, (2)International Laboratory for Brain Music and Sound (BRAMS), Montreal, QC, Canada, (3)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (4)http://www.neurodevnet.ca/research/asd, Vancouver, BC, Canada

1:00 115 140.115 Abnormal Parent-Reported Sensory Behaviors in ASD and ADHD. E. L. Wodka[*], M. M. Talley and S. H. Mostofsky, Kennedy Krieger Institute, Baltimore, MD

2:00 116 140.116 The Role of Motor Coordination in the Facial Expression of Emotion in Autism Spectrum Disorders. C. J. Zampella[*], E. G. Smith and L. Bennetto, Clinical & Social Sciences in Psychology, University of Rochester, Rochester, NY

3:00 117 140.117 Development of Oculomotor Function in the First Two Years of Life in Children At High- and Low-Risk for Developing Autism Spectrum Disorders. T. Tsang[*1], C. J. Zampella[2], A. Klin[1] and W. Jones[1], (1)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA, (2)University of Rochester, Rochester, NY

1:00 118 140.118 Itchy and Scratchy: Contagious Scratching and Yawning in Adults with Autism Spectrum Disorder. F. S. McEwen[*1], R. Booth[2,3], S. Luz[4], P. F. Bolton[5] and F. Happe[3], (1)Social, Genetic and Developmental Psychiatry (SGDP) Centre, Institute of Psychiatry, King's College, London, United Kingdom, (2)Guy's and St Thomas' NHS Trust, London, United Kingdom, (3)Social, Genetic and Developmental Psychiatry (SGDP) Centre, Institute of Psychiatry, London, United Kingdom, (4)University College of London, London, United Kingdom, (5)Child and Adolescent Psychiatry, Institute of Psychiatry, Kings College London, London, United Kingdom

2:00 119 140.119 Attention, Arousal, and Affect Regulation From 4 to 42 Months: Comparisons of Children with ASD, with ASD Siblings, and with Neonatal Medical Risk for Developmental Disorders. J. M. Gardner[*1], B. Z. Karmel[1], I. L. Cohen[2], E. M. Lennon[1], R. L. Freedland[1], P. M. Kittler[1] and M. J. Flory[3], (1)Infant Development, 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, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY

3:00 120 140.120 Automatic Retrieval of Videos of Stereotyped and Repetitive Movements. A. Ciptadi[*], A. Rozga, G. D. Abowd and J. Rehg, Georgia Institute of Technology, Atlanta, GA

1:00 121 140.121 The Relationship Between Repetitive Behaviors and Executive Function in Children with Autism Spectrum Disorder. L. E. Kester[1], A. J. Moffitt[*1], J. H. Miles[2] and S. E. Christ[1], (1)Psychological Sciences, University of Missouri, Columbia, MO, (2)Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO

2:00 122 140.122 Motor Learning in Children with Autism Spectrum Disorder. A. K. Wegrzyn[*1], J. H. Miles[2] and S. E. Christ[1], (1)Psychological Sciences, University of Missouri, Columbia, MO, (2)Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO

Poster Sessions
141 - Cognition and Behavior IV
1:00 PM - 5:30 PM - Sheraton Hall

1:00 123 141.123 Screening for Social Disability At 12 Months Using the First Year Inventory. J. P. Rowberry[*1], G. M. Chen[2], D. Campbell[2], C. Weitzman[1,2] and K. Chawarska[2], (1)Pediatrics, Yale University School of Medicine, New Haven, CT, (2)Child Study Center, Yale University School of Medicine, New Haven, CT

2:00 124 141.124 The Childhood Routines Inventory in Children with Autism Spectrum Disorders. T. D. Challman[*1], D. W. Evans[2], S. M. Myers[1], S. Lazar[2], P. T. Orr[3], A. Moreno de Luca[3] and D. H. Ledbetter[4], (1)Neurodevelopmental Pediatrics, Geisinger Health System, Danville, PA, (2)Bucknell University, Lewisburg, PA, (3)Genomic Medicine, Geisinger Health System, Danville, PA, (4)Geisinger Health System, Danville, PA

3:00 125 141.125 Intermodal Perception and Attention Shifting in Children with Autism Spectrum Disorders. J. M. Bebko[*1], C. A. McMorris[1], L. N. Hancock[2] and S. M. Brown[1], (1)Department of Psychology, York University, Toronto, ON, Canada, (2)Department of Psychology, York University, Toronto, ON, Canada

1:00 126 141.126 The Unique Impact of Autism on the Detection of Temporal Synchrony in Intermodal Processing: What Are the Roles of Intellectual and Language Variables?. L. N. Hancock[*1], S. M. Brown[2] and J. M. Bebko[2], (1)Department of Psychology, York University, Toronto, ON, Canada, (2)Department of Psychology, York University, Toronto, ON, Canada

2:00 127 141.127 Examining Relationships Between Perceptual Bias and Autistic Traits Using Typically Developing Individuals. E. Myrtetus[*1] and K. M. Curby[2], (1)Psychology, Drexel University, Philadelphia, PA, (2)Temple University, Philadelphia, PA

3:00 128 141.128 Use of the Differential Abilities Scale for the Assessment of Children with Autism Spectrum Disorders. R. Aiello[*], L. A. Ruble and E. Wilcox, Educational, Counseling, and School Psychology, University of Kentucky, Lexington, KY

1:00 129 141.129 Reward Processing in Children and Adolescents with Autism Spectrum Disorders and Children and Adolescents with ADHD. E. Demurie[*1], H. Roeyers[1], D. Baeyens[2], J. R. Wiersema[1] and E. Sonuga-Barke[1,3], (1)Department of Experimental Clinical and Health Psychology, Ghent University, Ghent, Belgium, (2)Lessius University College, Antwerp, Belgium, (3)University of Southampton, Southampton, United Kingdom

2:00 130 141.130 Speed Discrimination Abilities in Typical Development and in Children with Autism. C. Manning[*1], D. Aagten-Murphy[2], T. Charman[1] and E. Pellicano[1], (1)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (2)Università degli Studi di Firenze, Florence, Italy

3:00 131 141.131 More EEfRT Than It's Worth? Effort-based Decision-making in Autism Spectrum Disorders. C. Damiano[*1], J. Aloi[1], M. S. Treadway[2], J. W. Bodfish[1] and G. S. Dichter[1], (1)University of North Carolina, Chapel Hill, NC, (2)Vanderbilt University, Nashville, TN

1:00 132 141.132 Visual Shape Discrimination in Autism: Linking Low- and Mid-Level Perception. A. Perreault[*1,2,3], C. Habak[4], L. Mottron[3], F. Lepore[1] and A. Bertone[2,3,5], (1)Department of Psychology, Centre de Recherche en Neuropsychologie et Cognition (CERNEC), Université de Montréal, Montreal, QC, Canada, (2)Perceptual Neuroscience Laboratory for Autism and Development (PNLab), Montreal, QC, Canada, (3)Centre d'Excellence en Troubles Envahissants du Développement de l'Université de Montréal (CETEDUM), Montreal, QC, Canada, (4)Visual Perception and Psychophysics Lab, Université de Montréal, and Centre de Recherche, Institut Universitaire de Gériatrie de Montréal, Montreal, QC, Canada, (5)School/Applied Psychology, Dept of Educational and Counselling Psychology, McGill University, Montreal, QC, Canada

2:00 133 141.133 Gender Differences in Autism Spectrum Disorder: Early Markers, Autism Manifestations and Cognitive Development From Birth to Preschool Age. R. Joshi[*1] and C. Dissanayake[2], (1) La Trobe University, Olga Tennison Autism Research Centre,, Bundoora, Australia, (2)La Trobe University, Olga Tennison Autism Research Centre, Bundoora, Australia

3:00 134 141.134 Is Learning by Observation Impaired in Individuals with Autism Spectrum Disorder?. F. Foti[*1,2], L. Mazzone[3], D. Menghini[4], F. Federico[1], L. De Peppo[4], L. Reale[5], M. Guarnera[6], S. Vicari[7] and L. Petrosini[1,2], (1)University "Sapienza" of Rome, Rome, Italy, (2)Centro Europeo per la Ricerca sul Cervello (CERC)/Fondazione Santa Lucia, Rome, Italy, (3)Child Neuropsychiatry Unit, Department of Neuroscience, Bambino Gesù Children's Hospital, Rome, Italy, Rome, Italy, (4)U.O.C. Neuropsichiatria Infantile, Dipartimento di Neuroscienze, Ospedale Pediatrico Bambino Gesù, Rome, Italy, (5)U.O.C. Neuropsichiatria Infantile, Università di Catania, Catania, Italy, (6)Division of Child and Adolescents NeuroPsychiatry, Department of Pediatrics, University of Catania, Catania, Italy, (7)U.O.C. Neuropsichiatria Infantile, Dipartimento di Neuroscienze, Ospedale Pediatrico Bambino Gesù, Rome, Italy

1:00 135 141.135 Cognitive Assessment of Children with ASD. J. Bellando[*1], T. Katz[2], E. Leuthe[3] and T. Clemons[4], (1)Pediatrics, University of Arkansas for Medical Sciences, Little Rock, AR, (2)University of Colorado, Aurora, CO, (3)CDU, University of Colorado Denver School of Medicine – The Children's Hospital Denver, Aurora, CO, (4)EMMES Corp, Rockville, MD

2:00 136 141.136 Development of Visual Attention in Infants with Increased ASD Risk: A Longitudinal Assessment. R. Kincade[*1], E. J. H. Jones[2], K. M. Venema[1], M. Elsabbagh[3], M. H. Johnson[4] and S. J. Webb[1], (1)University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA, (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

3:00 137 141.137 Parent Report of Executive Functioning in Individuals with a History of ASDs Who Have Achieved Optimal Outcomes. E. Troyb[*1], A. Orinstein[1], K. E. Tyson[1], M. A. Rosenthal[2], M. Helt[1], L. O'Connell[3], J. Suh[1], I. M. Eigsti[4], E. A. Kelley[5], M. C. Stevens[6], R. T. Schultz[7], M. Barton[1] and D. A. Fein[1], (1)University of Connecticut, Storrs, CT, (2)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (3)Queen's University, Kingston, ON, Canada, (4)University of Connecticut, Storrs, CT, (5)Department of Psychology, Queen's University, Kingston, ON, Canada, (6)The Institute of Living, Hartford Hospital/Yale University, Hartford, CT, United States, (7)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA

1:00 138 141.138 Stability of Cognitive and Adaptive Behaviour Standard Scores in Preschool Children with Autistic Spectrum Disorders. H. E. Flanagan[*1], I. M. Smith[2], T. Vaillancourt[3], E. Duku[4], P. Szatmari[5], S. E. Bryson[2], E. Fombonne[6,7], P. Mirenda[8], W. Roberts[9,10], J. Volden[11], C. Waddell[12], L. Zwaigenbaum[11] and S. Georgiades[5], (1)IWK Health Centre, Halifax, NS, Canada, (2)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (3)University of Ottawa, Ottawa, ON, Canada, (4)Room 203, Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (5)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (6)Montreal Children's Hospital, Montreal, QC, Canada, (7)Psychiatry, McGill University, Montreal, QC, Canada, (8)University of British Columbia, Vancouver, BC, Canada, (9)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (10)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (11)University of Alberta, Edmonton, AB, Canada, (12)Simon Fraser University, Vancouver, BC, Canada

2:00 139 141.139 Uncovering the Role of Executive Functioning in Children's Cognitive Biases. S. B. Vanegas[*], D. Davidson and M. Falotico, Department of Psychology, Loyola University, Chicago, IL

3:00 140 141.140 Action Prediction in Children with Autism Spectrum Disorder. T. Falck-Ytter[*1], C. von Hofsten[2], C. Gillberg[3] and E. Fernell[4], (1)KIND, Karolinska Institute, Stockholm, Sweden, (2)Dep. of Psychology, Uppsala University, Stockholm, Sweden, (3)The Gillberg Neuropsychiatry Centre, Sahlgrenska Academy, Gothenburg University, London, Sweden, (4)Autism Centre for Young Children, Handicap and Habilitation, Stockholm, Sweden

1:00 141 141.141 The Anticipation of Punishment Has a Large Effect on the Decision-making of ASD. T. Fujioka[*] and S. Miyamoto, University of Tsukuba, Tsukuba City, Ibaraki, Japan

2:00 142 141.142 The Endophenotype of Executive Function: A Pilot Study in Twins. A. Kresse[*1], S. Faja[2], S. J. Webb[1] and R. Bernier[1], (1)University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA

3:00 143 141.143 Dot Prototype Formation in Infants: A Comparison of Infants At High- and Low-Risk for Autism Spectrum Disorder. H. Z. Gastgeb[*1], K. W. Chua[2], E. M. Dundas[2] and M. S. Strauss[2], (1)Psychiatry, University of Pittsburgh, Pittsburgh, PA, (2)Psychology, University of Pittsburgh, Pittsburgh, PA

1:00 144 141.144 The Shell Game: Investigating Spontaneous Response to Gaze Cueing of Attention in Children with High Functioning Autism. S. Congiu[*1], R. Fadda[2] and G. S. Doneddu[1], (1)Center for Pervasive Developmental Disorders, AOB, Cagliari, Italy, (2)Department of Psychology, University of Cagliari, Cagliari, Italy

2:00 145 141.145 Can the Perception of Time Be Modulated by Emotional Stimuli in Individuals with Autism Spectrum Disorders?. C. Jones[*1], S. B. Gaigg[2] and A. Lambrechts[2], (1)Department of Psychology, University of Essex, Colchester, United Kingdom, (2)Autism Research Group, City University London, London, United Kingdom

3:00 146 141.146 Resilience and Executive Functions in Children with High Functioning Autism Spectrum Disorders. A. A. Altomare[*1], A. McCrimmon[2], R. L. Matchullis[2] and K. Jitlina[2], (1)School and Applied Child Psychology, University of Calgary, Calgary, AB, Canada, (2)University of Calgary, Calgary, AB, Canada

1:00 147 141.147 Piaget's "A-Not-B Task" in Infants At High and Low Risk for ASD. T. St. John[*1], A. M. Estes[2], G. Dawson[3], S. R. Dager[4] and A. IBIS Network[5], (1)Speech and Hearing Sciences, University of Washington Autism Center, Seattle, WA, (2)Speech and Hearing Sciences, University of Washington, Seattle, WA, (3)University of North Carolina, Autism Speaks, Chapel Hill, NC, United States, (4)University of Washington, Seattle, WA, (5)UW, UNC, WASTL, CHOP, Seattle, WA

2:00 148 141.148 Executive Functioning in High-Functioning Autism Spectrum Disorders Assessed by Neuropsychological Tests and Parent's Reports: Its Relationships with Adaptive Functioning. M. Rosa[*1], O. Puig[1,2], V. Vallés[1], S. Lera[1] and R. Calvo[1,2], (1)Department of Child and Adolescent Psychiatry and Psychology, Hospital Clínic de Barcelona, Barcelona, Spain, (2)CIBERSAM, Barcelona, Spain

3:00 149 141.149 Evaluative Conditioning in Persons with ASD. M. E. Crisler[*1], P. S. Powell[1], L. G. Klinger[1,2] and M. R. Klinger[1,2], (1)University of Alabama, Tuscaloosa, AL, (2)TEACCH, University of North Carolina School of Medicine, Chapel Hill, NC

1:00 150 141.150 Differences in the Multisensory Temporal Binding Windows of TD and ASD Individuals As a Function of Stimulus Complexity. J. K. Siemann[*1], R. A. Stevenson[2], B. C. Schneider[1], H. E. Eberly[1], T. G. Woynaroski[3], J. H. Foss-Feig[4], S. M. Camarata[5] and M. T. Wallace[5], (1)Vanderbilt University, Nashville, TN, (2)Vanderbilt University Medical Center, Nashville, TN, (3)Vanderbilt University, Thompsons Stn, TN, (4)Vanderbilt University, Nashville, TN, United States, (5)Hearing and Speech Sciences, Vanderbilt University Medical Center, Nashville, TN

2:00 151 141.151 Math Ability in Autism Spectrum Disorders. M. J. Brosnan[*1], E. L. Ashwin[2], H. Johnson[3], B. Grawemeyer[4] and L. Benton[3], (1)University of Bath, Bath, United Kingdom, (2)Psychology, Bath University, Bath, United Kingdom, (3)Bath University, Bath, United Kingdom, (4)Computer Science, Bath University, Bath, United Kingdom

3:00 152 141.152 Putting the Pieces Together: Is There a Connection Between Weak Global Bias, Verbal Ability, and Object Categorization in Autism?. J. L. Amaral[*1], H. Kloos[1], C. D. Luzzi[2] and S. Collins[1], (1)Psychology, University of Cincinnati, Cincinnati, OH, (2)Behavioral and Developmental Pediatrics, Memorial Children's Hospital of South Bend, IN

1:00 153 141.153 Toddlers with Autism Do Not Show Evidence of Categorization in a Novel Word Learning Task. S. Tek[*1] and R. J. Landa[2], (1)Kennedy Krieger Institute for Autism and Related Disorders, Baltimore, MD, (2)Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD

2:00 154 141.154 Cognitive Processing of Global and Local Visual Stimuli in High-Functioning Individuals with Autism. O. Olu-Lafe[*], J. Liederman and H. Tager-Flusberg, Department of Psychology, Boston University, Boston, MA

3:00 155 141.155 Preserved Sensitivity to Higher-Order Conceptual Versus Lower-Level Perceptual Information During Explicit Verbal Memory Encoding In ASD: Limits to EPF and WCC?. D. M. Bowler[*1], S. B. Gaigg[1] and J. Cooper[2], (1)Autism Research Group, City University London, London, United Kingdom, (2)Psychology, City University London, London, United Kingdom

1:00 156 141.156 The Effect of Feedback on Perceptual Learning in Autistic Adults. A. Bertone[*1,2,3], V. Courchesne[3,4], L. Filiatrault[4], K. Dugas[1,2] and L. Mottron, M.D.[3], (1)Perceptual Neuroscience Laboratory for Autism and Development (PNLab), Montreal, QC, Canada, (2)School/Applied Psychology, Dept of Educational and Counselling Psychology, McGill University, Montreal, QC, Canada, (3)Centre d'Excellence en Troubles Envahissants du Développement de l'Université de Montréal (CETEDUM), Montreal, QC, Canada, (4)Department of Psychology, Université de Montréal, Montréal, QC, Canada

2:00 157 141.157 The Relationship Between Iconicity and Referential Understanding of Pictures in Low-Functioning Children with Autism. C. Hartley[*] and M. L. Allen, Psychology, Lancaster University, Lancaster, United Kingdom

3:00 158 141.158 Magnitude of Perceptual Peaks in Autism Is Partially Dependent on the Matching Variable: The Example of Pitch Discrimination. L. Mottron, M.D.[*1], A. A. Simard-Meilleur[1], A. Bertone[1,2,3] and I. Soulières[1,4], (1)Centre d'Excellence en Troubles Envahissants du Développement de l'Université de Montréal (CETEDUM), Montreal, QC, Canada, (2)Perceptual Neuroscience Laboratory for Autism and Development (PNLab), Montreal, QC, Canada, (3)School/Applied Psychology, Dept of Educational and Counselling Psychology, McGill University, Montreal, QC, Canada, (4)Department of Psychology, University of Quebec in Montreal, Montreal, QC, Canada

1:00 159 141.159 Using a Change Detection Paradigm to Assess the Allocation of Visual Attention in Autism At Different Developmental Periods. F. Laine[*1,2], J. A. Burack[2,3], V. Doobay[1,2,3], L. Caruso[1,2], L. Mottron, M.D.[2] and A. Bertone[1,2,3], (1)Perceptual Neuroscience Laboratory for Autism and Development (PNLab), Montreal, QC, Canada, (2)Centre d'Excellence en Troubles Envahissants du Développement de l'Université de Montréal (CETEDUM), Montreal, QC, Canada, (3)School/Applied Psychology, Dept of Educational and Counselling Psychology, McGill University, Montreal, QC, Canada

2:00 160 141.160 Assessing the Building Blocks of Spatial Perception in Autism Using a Tilt Discrimination Task. S. Censi[*1,2], A. Perreault[2,3], J. A. Burack[4,5], L. Mottron[1,5] and A. Bertone[2,4,5], (1)Psychiatry, Université de Montréal, Montreal, QC, Canada, (2)Perceptual Neuroscience Laboratory for Autism and Development (PNLab), Montreal, QC, Canada, (3)Department of Psychology, Centre de Recherche en Neuropsychologie et Cognition (CERNEC), Université de Montréal, Montreal, QC, Canada, (4)School/Applied Psychology, Dept of Educational and Counselling Psychology, McGill University, Montreal, QC, Canada, (5)Centre d'Excellence en Troubles Envahissants du Développement de l'Université de Montréal (CETEDUM), Montreal, QC, Canada

3:00 161 141.161 The Emergence of Distinct Patterns of Nonverbal Cognitive Abilities in Preschoolers with Autism. K. K. Powell[*1], L. G. Anthony[2] and E. S. Kuschner[2], (1)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (2)Center for Autism Spectrum Disorders, Division of Neuropsycholology, Children's National Medical Center, Rockville, MD

1:00 162 141.162 Intellectual Ability and Autism. S. Neves[*], J. Shenouda, H. Patel, A. M. Fongang-Fossa and W. Zahorodny, Pediatrics, UMDNJ-New Jersey Medical School, Newark, NJ

2:00 163 141.163 Intelligence Testing in Autistic Children Regarded As Very "Low-Functioning": The Good Surprise. V. Courchesne[*1], A. A. Simard-Meilleur[1] and I. Soulières[1,2], (1)Centre d'Excellence en Troubles Envahissants du Développement de l'Université de Montréal (CETEDUM), Montreal, QC, Canada, (2)Department of Psychology, University of Quebec, Montreal, QC, Canada

3:00 164 141.164 Cognitive Flexibility Among Individuals with Autism: The Influences of Chronological Age Vs. Mental Age. C. A. Campbell[*1], O. Landry[2], N. N. Russo[3], H. Flores[1], S. Jacques[2] and J. A. Burack[4], (1)Department of Educational & Counselling Psychology, McGill University, Montreal, QC, Canada, (2)Department of Psychology, Dalhousie University, Halifax, NS, Canada, (3)Department of Psychology, Syracuse University, Syracuse, NY, (4)School/Applied Psychology, Dept of Educational and Counselling Psychology, McGill University, Montreal, QC, Canada

1:00 165 141.165 The Use of the Differential Ability Scales, Second Edition in Individuals with Autism Spectrum Disorders: Clinical Utility and Profile Variability. K. P. Nowell[*1], G. T. Schanding[1], S. M. Kanne[2] and R. P. Goin-Kochel[3], (1)School Psychology, University of Houston, Houston, TX, (2)Department of Pediatrics, Psychology Section, Baylor College of Medicine, Houston, TX, (3)Pediatrics, Baylor College of Medicine, Houston, TX

2:00 166 141.166 Cognitive Profile in Higher Functioning Children with An Autism Spectrum Disorder. E. M. Butter[*1] and R. Arendt[2], (1)187 W. Schrock Road, Nationwide Children's Hospital, Westerville, OH, (2)Pediatrics, The Ohio State University, Westerville, OH

3:00 167 141.167 Impaired Classical Conditioning in Persons with Autism Spectrum Disorders. P. S. Powell[*1], M. E. Crisler[1], L. G. Klinger[1,2], B. G. Travers[1,3] and M. R. Klinger[1,4], (1)University of Alabama, Tuscaloosa, AL, (2)TEACCH, University of North Carolina School of Medicine, Chapel Hill, NC, (3)Waisman Center, University of Wisconsin-Madison, Madison, WI, (4)Allied Health, University of North Carolina School of Medicine, Chapel Hill, NC

1:00 168 141.168 Behavioral and Somatic Responses to Decision-making in Autism Spectrum Disorders: Evidence From the Iowa Gambling Test. P. D. Chamberlain[*1], T. Newton[1], W. Ernst[1], S. E. White[1], K. Nelson[2], D. Schmuck[2] and M. South[1,3], (1)Neuroscience, Brigham Young University, Provo, UT, (2)Brigham Young University, Provo, UT, (3)Psychology, Brigham Young University, Provo, UT

2:00 169 141.169 Age-Related Differences in Visual Interference Control in Adolescents with Autism Spectrum Disorder. K. E. Bodner[*1], J. P. Stichter[2], D. Q. Beversdorf[3], J. H. Miles[4] and S. E. Christ[1], (1)Psychological Sciences, University of Missouri, Columbia, MO, (2)University of Missouri, Columbia, MO, United States, (3)Radiology, Neurology, Psychology, and Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO, (4)Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO

3:00 170 141.170 New Parent Report Measure of Cognitive Inflexibility and Related Symptoms in High Functioning ASD. L. Kenworthy[*1], B. Yerys[1], M. A. Rosenthal[1], J. L. Sokoloff[1], M. C. Wills[1], G. L. Wallace[2] and L. G. Anthony[3], (1)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (2)Laboratory of Brain & Cognition, National Institute of Mental Health, Bethesda, MD, (3)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD

Poster Sessions
142 - Cognition and Behavior V
1:00 PM - 5:30 PM - Sheraton Hall

1:00 ▸ 171 142.171 BASC-II Profiles for Puerto Rican Children with Autism Spectrum Disorders. M. Vega[*1,2], E. Pabon[1,2], J. Ruiz[1,2] and R. E. Oliveras-Rentas[1,2], (1)Ponce Center for Autism, Ponce, PR, (2)Clinical Psychology Program, Ponce School of Medicine and Health Sciences, Ponce, PR

2:00 172 142.172 Brain and Mind: The Relationship Between Head Circumference Trajectories and Intelligence in Typically Developing Infants. J. C. Sullivan[*], S. Baron-Cohen and A. Humphrey, Department of Psychiatry, Autism Research Centre, University of Cambridge, Cambridge, United Kingdom

3:00 173 142.173 Characteristics of Speech-Language Pathology Evaluations Abstracted During An Autism Prevalence Study. J. P. Zimmerman[*1], A. V. Bakian[1] and S. Shumway[2], (1)Department of Psychiatry, University of Utah, Salt Lake City, UT, (2)Communication Disorders, University of Utah, Salt Lake City, UT

1:00 174 142.174 Congruence Between Parental Report and Standardized Assessment of Cognitive and Developmental Functioning Among Children with ASD. L. N. Clionsky[*1], K. P. Nowell[2], C. M. Brewton[3] and R. P. Goin-Kochel[4], (1)Clinical and Health Psychology, University of Florida, Gainesville, FL, (2)Educational Psychology, University of Houston, Houston, TX, (3)School Psychology, University of Houston, Houston, TX, (4)Pediatrics, Baylor College of Medicine, Houston, TX

2:00 175 142.175 Developmental Changes in Gaze Behaviour During Face Processing in Autism. N. Hernandez[*1], L. Roche[2], M. Guimard-Brunault[2], C. Barthelemy[3], F. Bonnet-Brilhault[1] and J. Martineau[4], (1)Centre de PedoPsychiatrie, INSERM U930, TOURS, France, (2)Service de Pédopsychiatrie, Inserm U930, Tours, France, (3)Centre de PedoPsychiatrie, INSERM U930, Tours, France, (4)INSERM U930, Tours, France

3:00 176 142.176 Screening for Autism Spectrum Disorder in Developmentally At Risk Toddlers. F. Nawaz[*1], C. Roncadin[2], J. Brian[3], S. E. Bryson[4], A. Niccols[5], W. Roberts[3], I. M. Smith[4], P. Szatmari[6] and L. Zwaigenbaum[7], (1)University of Toronto Mississauga, Mississauga, ON, Canada, (2)Peel Children's Centre, Mississauga, ON, Canada, (3)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (4)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (5)Infant-Parent Program, Hamilton Health Sciences Centre, Hamilton, ON, Canada, (6)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (7)University of Alberta, Edmonton, AB, Canada

1:00 177 142.177 Validation of a Japanese Version of the Vineland Adaptive Behavior Scales, Second Edition: Clinical Utility for the Assessment of Autism Spectrum Disorders. M. Tsujii[*1], H. Ito[2], S. Ohtake[2], N. Takayanagi[2] and W. Noda[2], (1)Chukyo University, Toyota, Aichi, Japan, (2)Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan

2:00 178 142.178 Assessment of Pragmatic Language in High Functioning Autism. R. L. Loomis[*1], E. S. Simmons[2] and R. Paul[3], (1)Yale Child Study Center, Yale University, New Haven, CT, (2)Child Study Center, Yale University, New Haven, CT, (3)Yale Child Study Center, New Haven, CT

3:00 ▸ 179 142.179 Bilingual Exposure and Language Development in Children with Autism in the UK. K. Leadbitter[*1], K. Hudry[2], V. Slonims[3], J. Green[4] and P. Consortium[1], (1)University of Manchester, Manchester, United Kingdom, (2)La Trobe University, Bundoora, VIC, Australia, (3)Guy's & St Thomas' NHS Foundation Trust, London, United Kingdom, (4)Community Based Medicine, University of Manchester, Manchester, United Kingdom

1:00 180 142.180 An Evaluation of the Measurement Properties of An Activities of Daily Living Scale for Adults with Autism, Down Syndrome, Fragile X, and Other Intellectual Disabilities. M. M. Seltzer[*], M. J. Maenner, L. E. Smith, J. Hong, R. Makuch and J. S. Greenberg, Waisman Center, University of Wisconsin, Madison, WI

2:00 181 142.181 Using Eye-Tracking to Evaluate Visual Attention During the Encoding Stage of Social Information Processing of Dynamic Social Scenes in Children and Adolescents with ASD. J. H. Schroeder[*] and J. M. Bebko, Department of Psychology, York University, Toronto, ON, Canada

3:00 182 142.182 Action Understanding and Imitation of Actions with An Inferable Functional Outcome Level (IFOL) in Young Children with Autism Spectrum Disorders. M. Vanvuchelen[*], Katholieke Universiteit Leuven – PHL-University College, Belgium, B 3000 Leuven, Belgium

1:00 183 142.183 The Interplay of Language on Executive Functions for Children with ASD. M. Akbar[*1], R. Loomis[2] and R. Paul[3], (1)Yale Child Study Center, New Haven, CT, (2)Child Study Center, Yale School of Medicine, New Haven, CT, (3)Yale Child Study Center, New Haven, CT

2:00 ▸ 184 142.184 Does Being Japanese-English Bilingual Affect Language Development in Children with Autism?. K. Gondo[1], T. Matsui[2], R. Yanagisawa[3], H. Li[4] and M. Oi[*5], (1)Pedology, Kyoritsu Women's University, Tokyo, Japan, (2)Centre fo Research in International Education, Tokyo Gakugei University, Koganei, Japan, (3)Graduate School of Domestic Arts, Kyoritsu Women's University, Toyko, Japan, (4)United Graduate School of Child Development, Kanazawa University, Kanazawa, Japan, (5)13-1 Takaramachi, United Graduate School of Child Development, Osaka University, Kanazawa University and Hamamatsu University School of Medicine, Kanazawa, Japan

3:00 185 142.185 Verbal Fluency in Individuals with Autism Spectrum Disorder. D. Ravindra and R. G. Schwartz, Department of Speech-Language-Hearing Sciences, CUNY Graduate Center, New York, NY

WITHDRAWN

1:00 186 142.186 Do Children with Specific Language Impairment Have a Cognitive Profile Reminiscent of Autism? A Review of the Literature. L. J. Taylor[*1,2], M. T. Maybery[1] and A. Whitehouse[1,2], (1)School of Psychology, University of Western Australia, Perth, Australia, (2)Telethon Institute for Child Health Research, Perth, Australia

2:00 187 142.187 Palm Reversals Are the Pronoun Reversals of Sign Language. A. Shield[*], Psychology, Boston University, Boston, MA

3:00 188 142.188 Maternal and Paternal Speech to Children with Autism Spectrum Disorder. P. Venuti[*1], A. Bentenuto[2], S. De Falco[1], G. Esposito[1] and M. H. Bornstein[3], (1)University of Trento, Trento, Italy, (2)University of Trento, Rovereto, Italy, (3)NIHCD, Bethesda, MD

1:00 189 142.189 Focus On the Positive: Adolescents with ASD and Their Impact On the Family. L. Berkovits[*1], S. Zeedyk[2], S. Cohen[2] and J. Blacher[3], (1)University of California, Los Angeles, CA, (2)University of California, Riverside, CA, (3)Graduate School of Education, University of California, Riverside, CA

2:00 190 142.190 Remembering Delayed Intentions in Autism Spectrum Disorders and Attention Deficit Hyperactivity Disorders: A Comparison. M. Altgassen[*1] and A. Kretschmer[2], (1)Technische Universitaet Dresden, Dresden, Germany, (2)Department of Psychology, Technische Universitaet Dresden, Dresden, Germany

3:00 191 142.191 Do Planning Aids Help to Remember? An Investigation of Prospective Memory and Implementation Intentions in Autism Spectrum Disorders. A. Kretschmer[*1], M. Altgassen[2], P. Rendell[3] and S. Bölte[4], (1)Technische Universitaet Dresden, Dresden, Germany, Rosswein, Germany, (2)Technische Universitaet Dresden, Dresden, Germany, (3)Australian Catholic University, Melbourne, Australia, Melbourne, Australia, (4)Department of Women's and Children's Health, Astrid Lindgren Children's Hospital, Q2:07, Center of Neurodevelopmental Disorders (KIND), Karolinska Institute, Stockholm, Sweden

1:00 192 142.192 Semantic Integration in Adults with Asperger Syndrome and Nonverbal LD. M. E. Stothers[*1] and J. Oram Cardy[2], (1)Health and Rehabilitation Sciences, The University of Western Ontario, London, ON, Canada, (2)School of Communication Sciences and Disorders, The University of Western Ontario, London, ON, Canada

2:00 193 142.193 Dense Recordings of Naturalistic Interactions Reveal Both Typical and Atypical Speech in One Child with ASD. I. Chin[*1], D. Rubin[1], A. Tovar[1], S. Vosoughi[2], M. Cheng[1], E. Potrzeba[1], M. S. Goodwin[2,3], D. Roy[2] and L. Naigles[4], (1)Psychology, University of Connecticut, Storrs, CT, (2)Media Lab, Massachusetts Institute of Technology, Cambridge, MA, (3)Northeastern University, Boston, MA, (4)University of Connecticut, Storrs, CT

3:00 194 142.194 Semantic Priming in Children with High Functioning Autism: An Eye-Tracking Study. G. Gergis[*] and E. L. Bavin, School of Psychological Science, La Trobe University, Melbourne, Australia

1:00 ▸ 195 142.195 "What Just Happened?" – Individuals' Abilities to Infer Events From Behavioural Responses. D. Pillai[*1], E. Sheppard[2] and P. Mitchell[3], (1)Semenyih, University of Nottingham, Selangor, Malaysia, (2)Department of Psychology, University of Nottingham Malaysia Campus, Selangor, Malaysia, (3)Psychology, University of Nottingham Malaysia Campus, Selangor, Malaysia

2:00 196 142.196 Longitudinal Changes in Pronoun Reversal in Children with ASD and TD Children. M. Cheng[*1], N. Khetrapal[2], K. Demuth[2], D. A. Fein[1] and L. Naigles[1], (1)University of Connecticut, Storrs, CT, (2)Macquarie University, Sydney, Australia

3:00 197 142.197 Multisensory Speech Perception in High Functioning Children with Autism Spectrum Disorders. T. G. Woynaroski[*1], L. E. Dowell[2], J. H. Foss-Feig[3], R. A. Stevenson[4], J. K. Siemann[5], S. M. Camarata[4] and M. T. Wallace[4], (1)Hearing and Speech Sciences, Vanderbilt University, Nashville, TN, (2)Vanderbilt University, Nashville, TN, United States, (3)Psychology, Vanderbilt University, Nashville, TN, (4)Hearing and Speech Sciences, Vanderbilt University Medical Center, Nashville, TN, (5)Vanderbilt University, Nashville, TN

1:00 198 142.198 General and Specific Predictors of Understanding Tense/Aspect in Young Children with ASD. A. T. Tovar[*1], D. A. Fein[2] and L. Naigles[3], (1)Psychology, University of Connecticut, Storrs, CT, (2)Department of Psychology, University of Connecticut, Storrs, CT, (3)University of Connecticut, Storrs, CT

2:00 199 142.199 Decoding Abstract Picture-Referent Relations: Are Low-Functioning Children with Autism Naïve Realists?. M. L. Allen[*] and C. Hartley, Psychology, Lancaster University, Lancaster, United Kingdom

3:00 200 142.200 Verbal Problem-Solving in Deafness and Autism Spectrum Disorders. B. Alderson-Day[*], The University of Edinburgh, Edinburgh, United Kingdom

1:00 201 142.201 WISC-IV Vs. WISC-III: Cognitive Profile in Autistic, Asperger and Typically Developing Children. A. M. Nader[*1,2], P. Jelenic[1] and I. Soulières[1,2], (1)Centre d'Excellence en Troubles Envahissants du Développement de l'Université de Montréal (CETEDUM), Montreal, QC, Canada, (2)Department of Psychology, University of Quebec in Montreal, Montreal, QC, Canada

2:00 ▸ 202 142.202 Narrative Ability in Children with Asperger Syndrome. S. W. Cho[*1], K. S. Lee[2], Y. J. Shin[3] and K. J. Joo[4], (1)1 Sinsu-dong Mapo-Ku, Sogang University, Seoul, South Korea, (2)Department of Rehabilitation, Hanshin University, Seoul, South Korea, (3)Department of Psychiatry, Yonsei University, Seoul, South Korea, (4)Linguistics, University of Hawaii at Manoa, Honolulu, HI

3:00 203 142.203 Development of Interactional Synchrony in High- and Low-Risk Infants During Mother Infant Face to Face Interactions. S. Glazer[*1], P. Lewis[1], J. B. Northrup[2], A. Klin[1] and W. Jones[1], (1)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA, (2)University of Pittsburgh, Pittsburgh, PA

1:00 ▸ 204 142.204 Parental Perceptions and Concerns Over Their Child's ASD-Related Behaviors: A Cultural Perspective. P. Yang[*1], L. C. Lee[2], I. T. Li[3], R. A. Harrington[2], C. L. Chang[4], P. C. Tsai[2] and F. W. Lung[5], (1)Psychiatry, Kaohsiung Medical University, Kaohsiung, Taiwan, (2)Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, (3)Calo Hospital, Pingtung, Taiwan, (4)Psychiatry, Kaohsiung Armed Forces General Hospital, Kaohsiung, Taiwan, (5)Taipei City Psychiatric Center, Taipei City Hospital, Taipei, Taiwan

2:00 205 142.205 Analysis of Handwriting Fluency in Children with Autism. B. Dirlikov[*1], M. B. Nebel[1,2], M. M. Talley[1], A. J. Bastian[1,2] and S. H. Mostofsky[1,2], (1)Kennedy Krieger Institute, Baltimore, MD, (2)Johns Hopkins School of Medicine, Baltimore, MD

3:00 206 142.206 Parent-Child Interaction and Child Behavior: Children with and without Autism. H. N. Liming[*1], B. J. Wilson[1], E. L. Haven[1], M. N. Will[1], U. Hussein[2] and E. Choe[2], (1)Clinical Psychology, Seattle Pacific University, Seattle, WA, (2)Psychology, Seattle Pacific University, Seattle, WA

1:00 207 142.207 Self-Regulatory Strategies During Delay of Gratification Paradigm in Children with Autism Spectrum Disorders. K. E. McKee[*1], J. Schoenfeld-McNeil[1], B. J. Wilson[2], J. L. Berg[1], J. Sparrow[1], M. Zurawski[1] and K. M. Kloes[1], (1)Seattle Pacific University, Seattle, WA, (2)Clinical Psychology, Seattle Pacific University, Seattle, WA

2:00 208 142.208 A Fifteen-Year Longitudinal Case Study of the Development of An Asperger Syndrome Obsession. L. Vuletic[*], Toronto, ON, Canada

3:00 209 142.209 Gesture and Language Development in Infant Siblings of Children with ASD. E. S. LeBarton[*] and J. M. Iverson, University of Pittsburgh, Pittsburgh, PA

1:00 210 142.210 Learning Words by Watching: A Comparison of Eye-Tracking and In-Person Measures. J. Lee[1], K. Gillespie-Lynch[*2], R. Elias[3], P. Escudero[4], T. Hutman[5] and S. P. Johnson[1], (1)University of California, Los Angeles, CA, (2)Psychology, UCLA, Los Angeles, CA, (3)University of California, Berkeley, CA, (4)University of Western Sydney, Sydney, Australia, (5)Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA

2:00 211 142.211 Cross-Situational Word Learning In Children with ASD. H. Akechi[*1], Y. Kikuchi[2], Y. Tojo[3], H. Osanai[4] and T. Hasegawa[1], (1)The University of Tokyo, Tokyo, Japan, (2)Japan Society for the Promotion of Science, Tokyo, Japan, (3)Ibaraki University, Mito, Japan, (4)Musashino Higashi Gakuen, Tokyo, Japan

3:00 212 142.212 High-Functioning Children with Autism Flexibly Use Prosody to Parse Syntactic Ambiguity. N. Hahn[*] and J. Snedeker, Psychology, Harvard University, Cambridge, MA

1:00 213 142.213 Parent-Adolescent Relationships in the Context of Autism Spectrum Disorders. M. M. Abdullah[*] and W. A. Goldberg, Psychology and Social Behavior, University of California, Irvine, CA

2:00 214 142.214 Picture Exchange Communication System: Moderators of Collateral Speech Gains. S. Petersen-Brown[*] and X. Qian, University of Minnesota, Minneapolis, MN

An Update on the DSM-5 Recommendations for Autism Spectrum Disorder and Other Neurodevelopmental Disorders

4:00 PM - 5:00 PM - Grand Ballroom Centre

Presenters: Susan E Swedo, M.*D.* (Chair) and Members of the DSM-5 Neurodevelopmental Disorders Workgroup

Recommended changes to the diagnostic criteria for Autism Spectrum Disorder (ASD) have received a great deal of recent media attention, including alarming headlines in the NY Times declaring, "New Autism Diagnosis Will Exclude Many," with the article specifically stating, "65% of individuals with high-functioning autism." Will the new criteria truly "nip the autism epidemic in the bud" as reported? Or, are the recommended changes more likely to improve both specificity and sensitivity of the diagnosis of autism and related disorders? Attendees at this session will learn about preliminary results of the DSM-5 field trials on ASD and examine similarities and differences in the DSM-IV-TR and proposed DSM-5 diagnostic criteria. Following a brief presentation on ASD by Dr. Swedo, a panel composed of Neurodevelopmental Workgroup members will answer questions from the audience about the recommended diagnostic criteria for ASD and the other neurodevelopmental disorders in DSM-5.

Scientific Panels
143 - CNVs in ASD – Molecular Findings, Clinical Outcomes and Ethical Implications
4:00 PM - 5:00 PM - Grand Ballroom East

Organizer: L. Gallagher; *Trinity College Dublin*

The panel will present an integrated 'State of the Art' discussion of autism genetics illustrated by past and recent findings from the Autism Genome Project (AGP). Our emerging data highlights the complexity of ASD genetics and relative contributions of rare and common genetic variation to ASD aetiology. We will present evidence supporting the role of rare Copy Number Variants (CNV) in ASD in a proportion of cases. Importantly our data demonstrates convergence on functionally related pathways helping to piece together the neurobiological underpinnings of the condition. We will explore the phenotypic heterogeneity that exists within ASD, possible overlaps with other neurodevelopmental disorders and describe our analyses of the complex relationship between genetics and clinical outcomes. Our discussion will consider the challenges to overcome to interpret these relationships and their clinical translation in the form of improved diagnostics and treatments for ASD. This emerging knowledge carries a set of ethical considerations and challenges to be worked through in the best interests of individuals with ASD and their families. We will illustrate this through the outcomes of recent investigations of parental understanding and desire for genetic testing in ASD.

4:00 143.001 The Impact of Rare Genomic Variants in Autism Spectrum Disorders – Evidence for Converging Pathways. D. Pinto*, S. W. Scherer and the Autism Genome Project Consortium, The Centre for Applied Genomics, The Hospital for Sick Children, Toronto, ON, Canada

4:15 143.002 Common Variants for Schizophrenia Do Not Predict Autism. J. Vorstman*, Dept of Psychiatry, University Medical Center Utrecht, Utrecht, Netherlands

4:30 143.003 Relating Copy Number Variation to Phenotype –Bridging Phenotype Gaps. L. Gallagher*[1] and A. K. Merikangas[2], (1)Department of Psychiatry, Trinity College Dublin, Dublin, Ireland, (2)Institute of Molecular Medicine, Trinity College Dublin, Dublin, Ireland

Scientific Panels
144 - Social Perception in Toddlers with ASD: Methodological and Conceptual Considerations
4:00 PM - 5:00 PM - Grand Ballroom West

Session Chair: K. Chawarska; *Yale University School of Medicine*

Deficits in social attention constitute one of the core symptoms of autism in toddlers. While a number of hypotheses have been advanced, the mechanisms underlying poor attention to people in naturalistic settings are poorly understood. In recent years, this area of research has been actively investigated using eye-tracking technology. Studies presented in this panel examine factors responsible for toddlers' atypical attention to people (Talks#1,2,&4), investigate individual variability in social attention and their links to phenotypic features (Talk#3&4), and illustrate the utility of fine-grained and less assumption-laden analytical methods to further our understanding of the factors driving visual behavior of toddlers with ASD (Talks#2&4) based on a series of conceptually- linked tasks. This panel will address several methodological considerations inherent in eye- tracking methodology: importance of accounting for both top-down and bottom-up influences on visual attention, approaches to parsing variability within ASD samples, as well as methodological aspects of analyzing eye-tracking on dynamic scenes. Taken together, this panel will 1) present a comprehensive account on abnormalities of visual scanning in response to complex social scenes, 2) address the issue of heterogeneity of attentional responses; and 3) offer insights into fine-grained analytic approaches to analysis of dynamic eye-tracking data.

4:00 144.001 Suppressed Attentional Response to Dyadic Social Cues in Infants with Autism. K. Chawarska*, S. Macari, D. Campbell and F. Shic, Child Study Center, Yale University School of Medicine, New Haven, CT

4:15 144.002 Diminished Salience of Social Stimuli, Not Enhanced Salience of Nonsocial Stimuli in Young Children with ASD. S. Macari*, F. Shic, D. Campbell and K. Chawarska, Child Study Center, Yale University School of Medicine, New Haven, CT

4:30 144.003 Subtyping Toddlers with ASD Based on Their Scanning Patterns in Response to Dyadic Bids for Attention. D. Campbell*[1], F. Shic[1], S. Macari[1], J. Chang[2] and K. Chawarska[1], (1)Child Study Center, Yale University School of Medicine, New Haven, CT, (2)Department of Statistics, Yale University, New Haven, CT

4:45 144.004 Scan Pattern Deviations in Toddlers with ASD: A Framework Based on Cohesion. F. Shic*, D. Campbell, S. Macari and K. Chawarska, Child Study Center, Yale University School of Medicine, New Haven, CT

Scientific Panels
145 - Lullaby and Good Night or Tomorrow Is Gonna Be a Tough Day: Research Predictions for the Influence of Disturbed Sleep and What We Can Do
4:00 PM - 5:00 PM - Osgoode Ballroom East

Session Chair: K. A. Schreck; *Penn State University – Harrisburg*

The treatment of daytime behavior for people with autism has challenged clinicians for many years. Most researchers and clinicians have solely concentrated on the treatment of what happens during the day – overlooking the possible influence of sleep on these behaviors. This panel provides evidence to support the relationship of daytime problems and symptoms to disrupted sleep for people with autism. Specifically, the panel will review the relationships of sleep disruption with a) cognitive and adaptive behavior, b) mental health (e.g., anxiety and depression), and c) behavior excesses (e.g., aggression). The Panel will also address the research-based efficacy for a parent training protocol for treating sleep problems in children with autism.

4:00 145.001 Bad Nights and Biting Bed Bugs: The Effect of a Bad Night's Sleep on Children with Autism's Daytime Behavior. K. A. Schreck[*1], M. Taylor[2], P. Kumar[3], L. Knapp[4] and J. A. Mulick[5], (1)Psychology, Penn State University – Harrisburg, Hummelstown, PA, (2)Psychology, Penn State University – Harrisburg, Middletown, PA, (3)Applied Behavior Analysis, Penn State University, Middletown, PA, (4)Penn State University-Harrisburg, Middletown, PA, (5)1581 Dodd Drive, Nationwide Children's Hospital & The Ohio State University, Columbus, OH

4:15 145.002 No Sweet Dreams for Children with Autism: The Day After A Bad Night's Sleep May Not Be So Sweet Either. M. Taylor[*1], K. A. Schreck[2] and J. A. Mulick[3], (1)Psychology, Penn State University - Harrisburg, Middletown, PA, (2)Psychology, Penn State University-Harrisburg, Hummelstown, PA, (3)Nationwide Children's Hospital & The Ohio State University, Columbus, OH

4:30 145.003 Sleep, Anxiety and Depression in High-Functioning Adolescents with Autism Spectrum Disorder (HFASD). A. L. Richdale[*1], E. Baker[2], M. Short[3] and M. Gradisar[3], (1)Olga Tennison Autism Research Centre, La Trobe University, Bundoora, Australia, (2)Psychology, La Trobe University, Bundoora, Australia, (3)Psychology, Flinders University, Adelaide, Australia

4:45 145.004 Parent-Based Sleep Education Program for Children with Autism — Positive Impact on the Child and Family. B. A. Malow[*1], A. M. Reynolds[2], S. Weiss[3], K. Adkins[1], K. A. Artibee[1], T. Clemons[4], D. B. Fawkes[1], K. Frank[1], S. E. Goldman[1], R. Hundley[5], T. Katz[6], A. Loh[7], N. Madduri[8] and D. Wofford[1], (1)Neurology/Sleep, Vanderbilt Medical Center, Nashville, TN, (2)University of Colorado Denver, Aurora, CO, (3)Hospital for Sick Children, Toronto, ON, Canada, (4)EMMES Corp, Rockville, MD, (5)Vanderbilt University, Pediatrics, Nashville, TN, (6)University of Colorado, Aurora, CO, (7)Surrey Place, Toronto, ON, Canada, (8)Pediatrics, Vanderbilt University, Nashville, TN

Scientific Panels
146 - Disrupted Neural Circuitry in Autism
5:00 PM - 6:00 PM - Grand Ballroom East

Session Chair: S. E. Schipul; *Center for Cognitive Brain Imaging, Carnegie Mellon University*

Just as autism affects many seemingly unrelated areas of behavior, brain imaging studies have revealed that atypical patterns of activation occur in many distinct regions of the brain. Such findings suggest that atypical neural functioning in autism is not restricted to one region, but rather occurs throughout the brain. Furthermore, numerous brain imaging studies have revealed converging evidence of disrupted connectivity between brain regions in autism. Such evidence includes lower frontal-posterior functional connectivity during task performance, lower structural integrity of white matter pathways, and behavioral impairments on cognitive tasks requiring the integration of distinct brain regions. This Scientific Panel will present recent work refining this issue through a variety of methods, including resting state functional connectivity, classification algorithms, relations between high definition fiber tracking and behavior, and the effects of disrupted brain circuitry on neural learning processes.

5:00 146.001 Effects of Disrupted Neural Circuitry on Learning Processes in Autism. S. E. Schipul[*] and M. A. Just, Center for Cognitive Brain Imaging, Carnegie Mellon University, Pittsburgh, PA

5:15 146.002 Relating Alterations in White Matter Circuitry to Cognitive Performance. M. A. Just[*] and T. A. Keller, Center for Cognitive Brain Imaging, Carnegie Mellon University, Pittsburgh, PA

5:30 146.003 Large-Scale Cortical Functional Connectivity 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)Yale Child Study Center, Yale University School of Medicine, New Haven, CT

5:45 146.004 Autism Classification Using Local, Global, and Connectome-Wide Measures of Functional Connectivity. J. D. Rudie[*1,2], J. B. Colby[2,3], Z. Shehzad[4], P. M. Douglas[5], J. A. Brown[2], D. Beck-Pancer[1,5], L. M. Hernandez[1,5], D. H. Geschwind[2,3], P. M. Thompson[2,3], M. S. Cohen[2,5], S. Y. Bookheimer[2,5] and M. Dapretto[1,2,5], (1)Brain Mapping Center, University of California, Los Angeles, CA, (2)Interdepartmental Neuroscience Program, University of California, Los Angeles, CA, (3)Department of Neurology, University of California, Los Angeles, CA, (4)Department of Psychology, Yale University, New Haven, CT, (5)Department of Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, CA

Scientific Panels
147 - Challenges for Children with ASD in School: Teaching Strategies and Learning Outcomes
5:00 PM - 6:00 PM - Grand Ballroom West

Session Chair: A. S. Carter; *University of Massachusetts – Boston*

Making school days happy days for children with autism spectrum disorders has become more of a reality, but these children still face academic challenges and fragile student-teacher relationships. These three talks look at aspects of academic engagement — including relationships with teachers, task engagement, academic performance, and in-class attention — across the early childhood, middle childhood, and secondary school years for children with ASD. In the first paper, the author will present a model of successful transition to the early school years that hypothesizes school and teacher relationships as moderators of child outcome of success in literacy. In the second paper, the author addresses school engagement in minimally verbal children participating in a literacy task. The author of the third paper will address challenges of communication in the natural classroom setting, also with minimally verbal children, using PECS. In the fourth paper, the author will present data on the classroom engagement of secondary school students via public speaking and a virtual reality paradigm. The four research teams represented in this scientific panel utilize a variety of

methodological approaches including single case design, within group parametric analyses and multi-level modeling. Discussion in each case will focus on implications for current or future interventions.

5:00 147.001 Smooth Sailing: Charting Successful Transition in the Early School Years for Children with ASD. J. Blacher[*1] and A. Eisenhower[2], (1)Graduate School of Education, University of California, Riverside, CA, (2)Department of Psychology, University of Massachusetts, Boston, MA

5:15 147.002 Academic Engagement of Minimally Verbal Children with ASD At School. K. Krueger[*1], K. Goods[2], C. Mucchetti[2] and C. Kasari[3], (1)Education, UCLA, Los Angeles, CA, (2)Semel Institute, Los Angeles, CA, (3)University of California, Los Angeles, CA

5:30 147.003 Academic Engagement of Minimally Verbal Children with ASD At School: Virtual Reality Paradigm with Secondary Students. M. V. Gwaltney[*1], N. MacIntyre[1], W. Jarrold[2] and P. C. Mundy[2], (1)Learning and Mind Sciences, UC Davis School of Education, Davis, CA, (2)M.I.N.D. Institute, UC Davis, Sacramento, CA

5:45 147.004 Communication Intervention in Real-Life Settings: Outcomes and Challenges. P. Howlin[*1], K. Gordon[2], G. Pasco[3] and T. Charman[3], (1)Institute of Psychiatry, King's College London, London, United Kingdom, (2)Great Ormond Street Hospital, London, United Kingdom, (3)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom

Scientific Panels
148 - Implications of DSM-5 Criteria for the Recognition of Autism Spectrum Disorders: Clinical and Epidemiological Considerations
5:00 PM - 6:00 PM - Osgoode Ballroom East

Session Chair: D. H. Skuse; *Institute of Child Health, University College – London*

DSM-5 draft criteria, revised and posted January 2011, aim to simplify the diagnostic criteria used to define the range of autistic disorders subsumed under the heading Pervasive Developmental Disorders in DSM-IV-TR. The proposal to combine Asperger disorder, pervasive developmental disorder – not otherwise specified (PDD-NOS), and autistic disorder into one new category of ASD has major implications for recognition and service provision. One critical assumption underlying the revision is that autism is a heterogeneous condition, with a considerable range of clinical severity. The range of associated intellectual disability does not wholly account for that variance in severity. Evidence for the validity of conventional subtypes, defined by DSM-IV-TR is inconsistent. A second assumption is that diagnoses within the autism spectrum may be best served by combining categorical with dimensional approaches to summarizing symptom profiles. A third assumption is that diagnostic exclusion rules should be relaxed, insofar as it makes clinical sense separately to record comorbidities. In this Panel we aim to challenge the evidence both for and against these assumptions, bringing together recent research based upon epidemiological data on autism traits in the general population and from clinically identified populations in the USA and Europe.

5:00 148.001 The Construct Validity of Proposed Criteria for DSM-5 Autism Spectrum Disorder. W. P. Mandy[*1], T. Charman[2] and D. H. Skuse[3], (1)University College London, London, United Kingdom, (2)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (3)Behavioural and Brain Sciences, Institute of Child Health, University College, London, United Kingdom

5:15 148.002 Links Between Autism Spectrum Disorders and ADHD Symptoms Trajectories: Recent Evidence and Implications for Exclusion Rules in DSM-5. B. St. Pourcain[*1], W. P. Mandy[2], J. Heron[1], J. Golding[3], G. Davey-Smith[1] and D. H. Skuse[4], (1)ALSPAC/MRC CAiTE, School of Social and Community Medicine, University of Bristol, Bristol, United Kingdom, (2)University College London, London, United Kingdom, (3)ALSPAC/MRC CAiTE, University of Bristol, Bristol, United Kingdom, (4)Behavioural and Brain Sciences, Institute of Child Health, University College, London, United Kingdom

5:30 148.003 Phenotypic and Cognitive Overlap Between Autism Spectrum Disorder and Attention Deficit Hyperactivity Disorder. J. K. Buitelaar[*1], A. Oerlemans[2], D. van Steijn[2] and N. N. J. Rommelse[3], (1)Department of Cognitive Neuroscience, Donders Institute for Brain, Cognition and Behavior, Radboud University, Nijmegen, Netherlands, (2)Donders Centre for Neuroscience, Donders Institute, Radboud University, Nijmegen, Netherlands, (3)Karakter Child and Adolescent Psychiatry University Centre, Nijmegen, Netherlands

5:45 148.004 The Concept of Dimensionality, Applied to Proposed DSM-5 Criteria for Autism Spectrum Disorder. T. W. Frazier[*1], E. A. Youngstrom[2], L. Speer[3], R. A. Embacher[4], P. A. Law[5], J. N. Constantino[6], R. Findling[7], A. Y. Hardan[8,9] and C. Eng[10], (1)Center for Autism and Center for Pediatric Behavioral Health, Cleveland Clinic, Cleveland, OH, (2)Psychology, 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)Medical Informatics, 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)Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, CA, (10)Genomic Medicine Institute, Cleveland Clinic, Cleveland, OH

SATURDAY May 19, 2012 - AM

6:30-3:00P	Registration – Lower Concourse			
7:00-8:30A	Coffee & Pastries – Grand Ballroom Foyer			
7:00-8:30A	**SIG** – Dominion Ballroom South	**SIG** – Dominion Ballroom North	**SIG** – Osgoode East	**SIG** – VIP Room
8:00-1:00P	**Exhibits** – Sheraton Hall			
8:45-9:00A	Introduction: CIHR – Grand Ballroom			
9:00-9:45A	**Keynote Address**: Alan Evans – Structural Connectivity in Neurodevelopment – Grand Ballroom			8:00-12:30P **Poster Session** – Sheraton Hall Clinical Phenotype : Measurement Clinical Phenotype: Medical & Biological Profiles Comorbid Medical Conditions Comorbid Psychiatric & Behavioral Conditions Core Deficits & Symptoms Core Deficits & Symptoms II Core Deficits & Symptoms III
9:45-10:15A	Break – Sheraton Hall			
10:15-12:15P	**IES** – Grand Ballroom Centre Challenges and Opportunities in Conducting Global ASD Research			
10:15-12:15P	**IES** – Dominion Ballroom Anxiety in Autism Spectrum Disorders: From Biology to Treatment			
10:15-12:15P	**Oral Session** – Grand Ballroom East Brain Imaging: Development, Structure, and Genetics	**Oral Session** – Grand Ballroom West Electrophysiological Correlates of Autism Spectrum Disorder	**Oral Session** — Osgoode Ballroom East Medical, Psychiatric and Behavioral Comorbidities in ASD	
12:15-1:30P	Lunch Break – On Your Own			
12:30-1:30 P	**INSAR Business Meeting** – Grand Ballroom Centre			

Special Interest Groups (SIGs)

7:00 AM - 8:30 AM
Location listed under each session
Final SIG – last year in multiple year rotation

New SIG: Autism Social, Ethical, and Legal Research

Co-Chairs: Dr. Liz Pellicano, *Institute of Education, University of London,* Dr. Bryna Siegel, *University of California San Francisco and* Dr. Michael Yudell, *Drexel University*

Dominion Ballroom South

Scientists believe they are making great strides towards understanding autism. These developments, however, have prompted scrutiny from autistics, parents, ethicists and researchers alike. Debates now rage about the real-life implications of emerging scientific discoveries. Should we, for example, continue to search for ways to "prevent" or "cure" autism? What place should the broader autistic community have in shaping the research agenda? What are best practices for communicating "risk" information? And, how should we define what is a "good intervention" – one that is "medically necessary" and so financially supported by public and private health authorities? This SIG aims to create a space to debate these crucial issues.

New SIG: Sensory and Motor Features in Autism

Co-Chairs: Dr. Alison Lane, *The Ohio State University and* Dr. Justin Williams, *University of Aberdeen Medical School*

Co-Facilitators: Dr. Carissa Cascio, *Vanderbilt University,* Dr. Grace Baranek, *The University of North Carolina Chapel Hill,* Dr. Roseann Schaaf, *Thomas Jefferson University*

Dominion Ballroom North

This new SIG will focus on the characterization of sensory and motor features and their association with autism symptoms, interventions, and pathogenesis. This year, we hope to identify methods of forging productive collaborations between sensory and motor researchers, agree the best ways of further developing our existing approaches, expand knowledge of sensory and motor-related research and establish needs for mentorship in this field.

New SIG: Female Profile in ASD

Co-Chairs: Alexandra Head, *Deakin University, Australia and* Dr. William Mandy, *University College, London*

Osgoode Ballroom East

There is growing awareness that ASD manifests differently in males and females. Current conceptualizations of ASD are largely based on male cases, and this may have led to missing phenotypic features that are unique to females with ASD. This SIG aims to address this knowledge gap.

Final SIG: EEG/MEG in Autism

Chair: Sara Jane Webb, Ph.D., *University of Washington*

VIP Room

This SIG aims to allow more investigators to engage in successful research addressing hypotheses about the timing of brain functioning, alteration in resting and active brain states, and the potential under and over connectivity of the brain in individuals with autism. The final meeting of our SIG will address: (1) *Setting the Bar:* Promoting the highest quality research by a discussion of guidelines for using EEG/MEG to study autism, including discussion of methods standards, how to support multi-site collaborations, and create training opportunities. (2) *Building Identity:* Discussion of how to create a forum for scientific training, collaboration, and dissemination. (3) *Next Generation*: Continuing to foster mentorship and collaboration by hosting an expertise panel on the key theoretical issues in our field.

Keynote Address
149 - Structural Connectivity in Neurodevelopment

9:00 AM - 9:45 AM - Grand Ballroom

Speaker: A. C. Evans; *Montreal Neurological Institute*

The NIH MRI Study of Normal Brain Development is a multi-centre, mixed cross-sectional and longitudinal study of anatomical and behavioural maturation in 500 typically-developing children ages 0-18 years. The database has been made publicly available since 2007 and has gone through five releases by 2011. This talk will review recent work on:

(i) age-appropriate structural atlasing.
(ii) Cortical correlates of behavioral metrics, e.g., IQ, testosterone level, aggressivity/anxiety.
(iii) age-related changes in structural network topology derived from cortical thickness analysis.

Invited Educational Symposium
150 - Challenges and Opportunities in Conducting Global ASD Research

10:15 AM - 12:15 PM - Grand Ballroom Centre

Session Chair: M. Yeargin-Allsopp; *National Center on Birth Defects & Developmental Disabilities*

Researchers have long agreed that autism occurs in families across races and socioeconomic backgrounds and, based on the presence of autism organizations in more than 100 countries, there is clear evidence that a constellation of behaviors has been recognized as "autism" on every continent. In order to both advance our understanding of ASD and develop interventions that meet this global need, there is a need for more research in diverse areas of the world. The conduct of such studies is not without challenges, however. The purpose of this Educational Symposium is to raise audience understanding of the complex theoretical, methodological, and ethical issues in conducting research on ASD in other countries, particularly those which are non-Western and/or low and middle income. Featured speakers include three individuals with extensive experience in both a clinical and research setting, representing Uganda, Argentina and India. The researchers will discuss three challenges to autism research common in nearly all low and middle income countries.

10:15 150.001 Cross Cultural Issues in Tool Adaptation, Screening and Assessment of ASD Research Globally. A. Kakooza[*1], J. Grether[2], L. A. Croen[3], R. L. Hansen[4], C. Karamagi[5], S. Kiguli[6], E. Trevathan[7], K. S. Smith[8],and K. Ssebyala[6], (1)Department of Pediatrics, Makerere University, School of Medicine, Kampala, Uganda, (2)Sequoia Foundation, La Jolla, CA, (3)Kaiser Permanente Division of Research, Oakland, CA, (4)Davis, M.I.N.D. Institute, Sacramento, CA, (5)Clinical Epidemiology Unit, Makerere College of Health Sciences, Kampala, Uganda, (6)Pediatrics and Child Health, Makerere College of Health Sciences, Kampala, Uganda, (7)School of Public Health, St. Louis University, St. Louis, MO, (8)California Department of Public Health, Richmond, CA

10:45 ▸ 150.002 Developing Model Collaborations Between U.S. and Non-U.S. Researchers In Conducting ASD Research Globally. A. Rattazzi[*1], M. L. Massolo[2], K. A. Gutson[1], C. Plebst[1], V. M. Ensenat[1] and L. A. Croen[2], (1)PANAACEA, Buenos Aires, Argentina, (2)Kaiser Permanente Division of Research, Oakland, CA

11:15 150.003 Ethical Considerations in Conducting ASD Research in Low and Middle Income Countries. N. Singhal[*1], T. C. Daley[2] and I. Singh[3], (1)Action for Autism, National Centre for Autism, Delhi, India, (2)Westat, Durham, NC, (3)London School of Economics and Political Science, London, United Kingdom

11:45 150.004 Introduction. R. R. Grinker[*], George Washington University, Washington, D.C.

Invited Educational Symposium
151 - Anxiety In Autism Spectrum Disorders: From Biology to Treatment

10:15 AM - 12:15 PM - Dominion Ballroom

Session Chair: J. D. Herrington; *Children's Hospital of Philadelphia*

It is increasingly clear that anxiety is a common and important co-occurring condition in ASD. The learning goals for this symposium range from the neurobiological underpinnings of anxiety and their relation to ASD, to comparisons of the clinical phenotype and treatment (behavioral and pharmacological) of anxiety disorders in children with and without ASD. This integration of basic and applied sciences, medical and psychological perspectives, will help to bridge gaps in our understanding of anxiety in ASD and facilitate novel directions for research.

10:15 151.001 Enhanced Cognitive Behavioral Treatment for Anxiety In Youth with ASD. J. J. Wood[*], University of California, Los Angeles, CA

10:45 151.002 Anxiety In Youth with and without ASD: Commonalities and Variations. C. M. Puleo[*1], L. Berry[2] and P. C. Kendall[1], (1)Psychology, Temple University, Philadelphia, PA, (2)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA

11:15 151.003 Toward Better Psychopharmacological Management of Anxiety In ASD. L. Scahill[*], School of Medicine, Yale University, New Haven, CT

11:45 151.004 Common Endophenotypes: The Role of Anxiety Disorders In Understanding the Neurobiology of ASD. J. D. Herrington[*], Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA

Oral Sessions
152 - Brain Imaging: Development, Structure, and Genetics
10:15 AM - 12:15 PM - Grand Ballroom East

10:15 152.001 Blunted Trajectories of White Matter Development Associated with Autism in High-Risk Infants. J. J. Wolff[*1], G. Gerig[2], H. Gu[3], J. T. Elison[4], K. Botteron[5], S. R. Dager[6], G. Dawson[7], H. C. Hazlett[8], S. Paterson[9], R. T. Schultz[10,11], M. Styner[12], L. Zwaigenbaum[13], J. Piven[14,15] and I. B. I. S. Network[16], (1)Carolina Institute for Developmental Disabilities, University of North Carolina, Chapel Hill, NC, (2)University of Utah, Salt Lake City, UT, (3)University of North Carolina, Chapel Hill, NC, (4)California Institute of Technology, Pasadena, CA, (5)Washington University School of Medicine, St. Louis, MO, (6)University of Washington, Seattle, WA, (7)University of North Carolina, Autism Speaks, Chapel Hill, NC, (8)Carolina Institute for Developmental DIsabilities, University of North Carolina, Chapel Hill, NC, (9)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (10)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia,, PA, (11)Pediatrics & Psychiatry, University of Pennsylvania, Philadelphia, PA, (12)UNC, Chapel Hill, NC (13)University of Alberta, Edmonton, AB, Canada, (14)Psychiatry, University of North Carolina, Chapel Hill, NC, (15)The Carolina Institute for Developmental Disabilities, University of North Carolina, Chapel Hill, NC, (16)Autism Center of Excellence, Chapel Hill, NC

10:30 152.002 Enlarged Cortical Surface Area in Autistic Infants. K. Campbell[*1], W. Thompson[2], S. Solso[1], K. Pierce[1], M. Javier[1], J. Young[1], M. Mayo[1], S. Spendlove[1], C. Carter[1], M. Weinfeld[1] and E. Courchesne[1], (1)Department of Neurosciences and Autism Center of Excellence, University of California, San Diego, La Jolla, CA, (2)Department of Psychiatry and Autism Center of Excellence, University of California, San Diego, CA

10:45 152.003 Microglial Activation in Adults with Autism Spectrum Disorders. K. Nakamura[*1], K. Suzuki[2], Y. Ouchi[3], M. Tsujii[4], G. Sugihara[2], Y. Iwata[1], K. Matsumoto[2], K. Takebayashi[2], T. Wakuda[1], T. Sugiyama[5], Y. Yoshihara[1] 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)Child and Adolescent Psychiatry, Hamamatsu University School of Medicine, Hamamatsu, Japan

11:00 152.004 Sex and Diagnosis Effects on Microstructural White Matter Properties in Individuals with Autism Spectrum Conditions. A. N. Ruigrok[*1], M. V. Lombardo[2], M. C. Lai[2], F. dell'Acqua[3], M. Catani[3], J. Suckling[4], B. Chakrabarti[1,5], M. Craig[6], D. G. Murphy[7], U. K. MRC AIMS Consortium[8] 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)Section of Brain Maturation, Department of Psychological Medicine and Psychiatry, Institute of Psychiatry, King's College London, London, United Kingdom, (4)Brain Mapping Unit, University of Cambridge, Cambridge, United Kingdom, (5)Centre for Integrative Neuroscience and Neurodynamics, University of Reading, Reading, United Kingdom, (6)Institute of Psychiatry, King's College, London, United Kingdom, (7)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom, (8)Institute of Psychiatry, King's College; University of Cambridge; University of Oxford, London, United Kingdom

11:15 152.005 Atypical Regional Brain Volume in Women but Not Men with Autism Overlaps with Sexually Dimorphic Regions: Neuroanatomical Evidence for Females As a Sub-Group on the Autism Spectrum. M. C. Lai[*1], M. V. Lombardo[1], J. Suckling[2], A. N. Ruigrok[1], B. Chakrabarti[1,3], E. T. Bullmore[2], M. R. C. AIMS Consortium[4] and S. Baron-Cohen[1], (1)Autism Research Centre, Department of Psychiatry, University of Cambridge, Cambridge, United Kingdom, (2)Department of Psychiatry, Brain Mapping Unit, University of Cambridge, Cambridge, United Kingdom, (3)Centre for Integrative Neuroscience and Neurodynamics, University of Reading, Reading, United Kingdom, (4)University of Oxford, University of Cambridge, Institute of Psychiatry, London, United Kingdom

11:30 152.006 The Intrinsic Geometry of the Cerebral Cortex In Autism – the Relationship Between Cortical Folding and White Matter Wiring. C. Ecker[*1], E. Daly[2], C. M. Murphy[3], S. C. Williams[4], M. MRC AIMS Consortium[5] and D. G. Murphy[6], (1)Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, London, United Kingdom, (2)Forensic and Neurodevelopmental Sciences, King's College London, Institute of Psychiatry, London, United Kingdom, (3)Department of Forensic and Neurodevelopmental Sciences, King's College London, Institute of Psychiatry, London, United Kingdom, (4)Institute of Psychiatry, London, United Kingdom, (5)Institute of Psychiatry, London; University of Oxford; University of Cambridge, United Kingdom, London, United Kingdom, (6)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College, London, United Kingdom

11:45 152.007 Longitudinal Cortical Development During Adolescence and Young Adulthood in Autism Spectrum Disorders: Increased Cortical Thinning but Comparable Surface Area. G. L. Wallace[*1], B. L. Robustelli[1], N. A. Dankner[1], L. Kenworthy[2], J. Giedd[3] and A. Martin[1], (1)Laboratory of Brain & Cognition, National Institute of Mental Health, Bethesda, MD, (2)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (3)Child Psychiatry Lab, National Institute of Mental Health, Bethesda, MD

12:00 152.008 The Presence of Specific Maternal IgG Antibodies Is Associated with Abnormal Brain Enlargement in ASD and in Nonhuman Primate Model of ASD. C. W. Nordahl[*1], M. Bauman[1], D. Braunschweig[1], A. M. Iosif[2], P. Ashwood[1], J. Van de Water[1] and D. G. Amaral[1], (1)UC Davis M.I.N.D. Institute, Sacramento, CA, (2)Public Health Sciences, University of California, Davis, CA

12:00 153.008 Functional Neuroanatomical Changes Induced by Mu-Based Neurofeedback Training in Children on the Autism Spectrum. M. C. Datko[*1], J. A. Pineda[2] and R. A. Müller[3], (1)Cognitive Science, University of California San Diego, La Jolla, CA, (2)University of California, San Diego, CA, (3)Psychology, Brain Development Imaging Laboratory, San Diego State University, San Diego, CA

Oral Sessions
153 - Electrophysiological Correlates of Autism Spectrum Disorder
10:15 AM - 12:15 PM - Grand Ballroom West

10:15 153.001 Physiological and Behavioral Characterization of Sensory Dysfunction in Autism. T. W. Benevides[1] and R. Schaaf[*2], (1)Thomas Jefferson University, Philadelphia, PA, (2)Thomas Jefferson University, Philadelphia, PA

10:30 153.002 Sensory Assessments Reveal Phenotypic Heterogeneity in Autism. E. Francisco, J. Holden, O. Favorov and M. Tommerdahl[*], University of North Carolina, Chapel Hill, NC

10:45 153.003 Gamma-Band Activity and Coherence in Response to Familiar and Unfamiliar Faces in Infants At Risk for Autism Spectrum Disorder. B. Keehn[*1], R. Luyster[1], V. Vogel-Farley[1], H. Tager-Flusberg[2] and C. A. Nelson[1], (1)Laboratories of Cognitive Neuroscience, Children's Hospital Boston/Harvard Medical School, Boston, MA, (2)Department of Psychology, Boston University, Boston, MA

11:00 153.004 Auditory Evoked Potentials: Candidate Endophenotypic Indices of ASD Susceptibility. O. V. Sysoeva[*], A. Z. Snyder, J. N. Constantino and A. P. Anokhin, Washington University School of Medicine, Saint Louis, MO

11:15 153.005 Intact Interhemispheric Transmission in Children and Adolescents Diagnosed with An ASD. M. South[*1,2], M. J. Larson[1,2], P. E. Clayson[3] and S. E. White[4], (1)Neuroscience, Brigham Young University, Provo, UT, (2)Psychology, Brigham Young University, Provo, UT, (3)Psychology, UCLA, Los Angeles, CA, (4)Neuroscience, Brigham Young University, Provo, UT

11:30 153.006 Level of Autistic Traits Modulates Activity in Face and Action Perception Systems. J. McPartland[*1], M. Coffman[1], S. Faja[2], A. Kresse[3], C. E. Mukerji[1], A. Naples[1] and R. Bernier[3], (1)Yale Child Study Center, New Haven, CT, (2)University of Washington, Seattle, WA, (3)University of Washington, Seattle, WA

11:45 153.007 Sex Differences in Social Information Processing in ASD. M. Coffman[*], A. Naples, D. Perszyk, C. E. Mukerji and J. McPartland, Yale Child Study Center, New Haven, CT

Oral Sessions
154 - Medical, Psychiatric and Behavioral Comorbidities in ASD
10:15 AM - 12:15 PM - Osgoode Ballroom East

10:15 154.001 The Effect of Autism on Bone Metabolism in Peripubertal Boys. A. M. Neumeyer[*1], A. Gates[2], C. Ferrone[2] and M. Misra[3], (1)Lurie Center for Autism, Massachusetts General Hospital/ Harvard Medical School, Lexington, MA, (2)Lurie Center for Autism, Massachusetts General Hospital, Lexington, MA, (3)Pediatric Endocrine Unit, Massachusetts General Hospital/ Harvard Medical School, Boston, MA

10:30 154.002 Head Growth in Autism: A Population-based Cohort Study. P. Suren[*1], M. Hornig[2], M. Bresnahan[2], D. Hirtz[3], K. Kveim Lie[1], W. I. Lipkin[2], P. Magnus[1], T. Reichborn-Kjennerud[1], S. Schjolberg[1], E. Susser[2], A. S. Oyen[1], L. Li[4] and C. Stoltenberg[1], (1)The Norwegian Institute of Public Health, Oslo, Norway, (2)The Mailman School of Public Health, Columbia University, New York, NY, (3)National Institute of Neurological Disorders and Stroke, Bethesda, MD, (4)Centre for Paediatric Epidemiology and Biostatistics, UCL Institute of Child Health, London, United Kingdom

10:45 154.003 Age of Diagnosis of Autism Spectrum Disorders in Children with Hearing Loss. J. Meinzen-Derr[*], S. Wiley, S. L. Bishop, P. Manning and D. Murray, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

11:00 154.004 Food Preferences in Autism Spectrum Disorders and Their Relationship to Sensory and Behavioral Symptoms. L. Bennetto[*1], C. J. Zampella[1], E. S. Kuschner[2], R. G. Bender[1] and S. L. Hyman[3], (1)Clinical & Social Sciences in Psychology, University of Rochester, Rochester, NY, (2)Center for Autism Spectrum Disorders, Division of Neuropsycholology, Children's National Medical Center, Rockville, MD, (3)Department of Neurodevelopmental and Behavioral Pediatrics, University of Rochester School of Medicine, Rochester, NY

11:15 154.005 Shared and Distinct Presentations of ADHD and ASD: An Examination of the Autism Spectrum Continuum. R. L. Grzadzinski[*1], R. Lange[2], J. Rodman[1], E. V. Roberts[3], M. O'Neale[4], E. Petkova[5,6], C. E. Lord[7], F. X. Castellanos[1,5] and A. Di Martino[1], (1)NYU Child Study Center at the NYU Langone Medical Center, Phyllis Green and Randolph Cowen Institute for Pediatric Neuroscience, New York, NY, (2)NYU Child Study Center at the NYU Langone Medical Center, Phyllis Green and Randolph Cōwen Institute for Pediatric Neuroscience, New York, NY, (3)NYU Child Study Center, New York, NY, (4)NYU Child Study Center at the NYU Langone Medical Center, Phyllis Green and Randolph Cōwen Institute for Pediatric Neuroscience, NY, NY, (5)Nathan Kline Institute for Psychiatric Research, Orangeburg, NY, (6)Division of Biostatistics, NYU Child Study Center, New York, NY, (7)Institute for Brain Development, Weill Cornell Medical College, White Plains, NY

11:30 154.006 The Stability and Specificity of Psychopathology in Autism Spectrum Disorders. E. Simonoff[*1], A. Pickles[2], G. Baird[3], C. Jones[4] and T. Charman[5], (1)London, United Kingdom, (2)Institute of Psychiatry, King's College London, London, United Kingdom, (3)Guy's Hospital, London, United Kingdom, (4)Department of Psychology, University of Essex, Colchester, United Kingdom, (5)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom

11:45 154.007 Dimensions of Oppositionality in Autism Spectrum Disorder. L. Roughan[*1], D. H. Skuse[2] and W. P. Mandy[3], (1)Social Communication Disorders Clinic, DCAMH, Great Ormond Street Hospital, London, United Kingdom, (2)Institute of Child Health, London, United Kingdom, (3)University College London, London, United Kingdom

12:00 154.008 Prevalence of Co-Morbid Psychiatric Conditions In An Adult Population Assessed for Autism Spectrum Disorder. E. Wilson[*1], D. M. Robertson[2], N. Gillan[3], G. Roberts[4], S. Coghlan[5], M. A. Mendez[3], D. Spain[6], C. Ohlsen[7], N. Hammond[7], D. G. Murphy[6] and C. M. Murphy[8], (1)Institute of Psychiatry, King's College London, London, United Kingdom, (2)Behavioural and Developmental Clinical Academic Group, South London and Maudsley NHS Trust, London, United Kingdom, (3)Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom, (4)Behavioural Genetics Clinic, South London and Maudsley NHS Foundation Trust, London, United Kingdom, (5)King's College, London, London, United Kingdom, (6)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom, (7)South London and Maudsley NHS Foundation Trust, London, United Kingdom, (8)Forensic and Neurodevelopmental Sciences, King's College London, Institute of Psychiatry, London, United Kingdom

Poster Sessions
155 - Clinical Phenotype: Measurement
8:00 AM - 12:30 PM - Sheraton Hall

9:00 1 155.001 DISCO: A Decade of Epidemiological Research. C. Gillberg[*1] and T. Brugha[2], (1)The Gillberg Neuropsychiatry Centre, Sahlgrenska Academy, Gothenburg University, London, Sweden, (2)Department of Health Sciences, University of Leicester, Leicester, United Kingdom

10:00 2 155.002 Autism Mental Status Examination: A Preliminary Report of An Italian Version. R. Canitano[1], V. Scandurra[2], R. Storino[3] and M. R. Scordo[*2], (1)Child Neuropsychiatry, University Hospital of Siena, Siena, Italy, (2)Child Neuropsychiatry, University of Florence, Florence, Italy, (3)University of Florence, Florence, Italy

11:00 ▸ 3 155.003 Challenges in Diagnosis of Autism Spectrum Disorder in Vietnam. H. S. Vu[*1,2], A. Whittaker[2], S. Rodger[3] and M. Whittaker[2], (1)Center for Creative Initiatives in Health and Population, Hanoi, Vietnam, (2)The School of Population Health, University of Queensland, Brisbane, Australia, (3)University of Queensland, Brisbane, Australia

9:00 4 155.004 Diagnostic Stability of Autism Spectrum Disorders and Predictors of Crossover in Toddlers Prospectively Identified in a Community-based Setting. J. Barbaro[*] and C. Dissanayake, Olga Tennison Autism Research Centre, La Trobe University, Melboune, Australia

10:00 5 155.005 Identifying Autism Spectrum Disorders (ASD) in a Mixed Population of Adults with ASD or ADHD Worth the AQ and the Temperament and Character Inventory Personality Questionnaire. B. B. Sizoo[*1], R. J. van der Gaag[2] and W. van den Brink[3], (1)Dimence, Deventer, Netherlands, (2)Reinier Postlaan 12, Karakter Child & Adolescent Psychiatry, Nijmegen, Netherlands, (3)Academic Psychiatric Centre AMC-UvA, Amsterdam Institute for Addiction Research (AIAR), Amsterdam, Netherlands

11:00 ▸ 6 155.006 Development of Thai Version of Autism Spectrum Screening Questionnaire (Thai-ASSQ). W. Kittitharaphan[*], A.Muang, Samutprakarn, Thailand

9:00 7 155.007 Shortening the Behavioral Diagnosis of Autism Through Artificial Intelligence and Mobile Health Technologies. D. P. Wall[*], Pathology/Center for Biomedical Informatics, Harvard Medical School, Boston, MA

10:00 8 155.008 Simons Simplex Collection: A Model of Quality Assessment in Multi-Site Phenotyping Research. E. Brooks[1,2], J. E. Olson[*2,3], L. Green-Synder[2,3], S. Risi[2], J. Tjernagel[1,2], L. C. White[1,2], R. K. Rumsey[4], A. Gallego[1] and M. Greenup[1], (1)Simons Foundation, New York, NY, (2)University of Michigan Autism & Communication Disorders Center, Ann Arbor, MI, (3)Children's Hospital Boston/Harvard Medical Center, Boston, MA, (4)University of Minnesota, Minneapolis, MN

11:00 9 155.009 The Implications of DSM V: Changes in Diagnostic Outcomes in An Adult Clinical Sample Re-Diagnosed According to the Proposed DSM V. G. Roberts[*1], N. Gillan[2], K. Johnston[3], S. Maltezos[4], C. M. Murphy[5], D. G. Murphy[2], D. M. Robertson[6], D. Spain[2], E. Wilson[7] and F. Happe[8], (1)Behavioural Genetics Clinic, South London and Maudsley NHS Foundation Trust, London, United Kingdom, (2)Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, King's College London, London, United Kingdom, (3)Department of Forensic and Neurodevelopmental Sciences, Kings College London, Institute of Psychiatry, London, United Kingdom, (4)The Maudsley Hospital, London, United Kingdom, (5)Department of Forensic and Neurodevelopmental Sciences, King's College London, Institute of Psychiatry, London, United Kingdom, (6)South London and Maudsley NHS Trust, London, United Kingdom, (7)Institute of Psychiatry, King's College, London, United Kingdom, (8)Social, Genetic and Developmental Psychiatry (SGDP) Centre, Institute of Psychiatry, London, United Kingdom

9:00 10 155.010 The Role of Comprehensive Evaluation in the Differential Diagnosis of Autism in a Clinic Setting. C. M. Hall[*1] and J. Hamel[2], (1)Pediatric Neurodevelopmental Clinic, The Marcus Autism Center, Atlanta, GA, (2)Pediatric Neurodevelopmental Clinic, Marcus Autism Center, Atlanta, GA

10:00 11 155.011 Sensitivity of Current and Proposed Diagnostic Criteria: Are We on the Path to Exclusion?. K. S. D'Eramo[*1], T. M. Newman[1], A. Naples[2], C. M. Cotter[1], J. W. Loomis[1], M. J. Palmieri[1] and M. D. Powers[1], (1)Center for Children with Special Needs, Glastonbury, CT, (2)Yale Child Study Center, New Haven, CT

11:00 12 155.012 Using the DISCO with Adults. E. Billstedt[*1] and L. M. Ghali[2], (1)Gillberg Neuropsychiatry Centre, Gothenburg, Sweden, (2)Department of Pediatrics, University of Calgary, Calgary, AB, Canada

9:00 13 155.013 Estimating Cognitive Functioning in ASD: A Longitudinal Study From Developmental Profile to IQ Level. L. Reale[*1], V. Mannino[2], M. Guarnera[1] and L. Mazzone[3], (1)Division of Child and Adolescents NeuroPsychiatry, Department of Pediatrics, University of Catania, Catania, Italy, Catania, Italy, (2)UONPIA - IRCCS Foundation Ca' Granda, Ospedale Maggiore Policlinico, Milan, Italy, Catania, Italy, (3)Child Neuropsychiatry Unit, Department of Neuroscience, Bambino Gesù Children's Hospital, Rome, Italy

Poster Sessions
156 - Clinical Phenotype: Medical & Biological Profiles
8:00 AM - 12:30 PM - Sheraton Hall

9:00 14 156.014 Body Size and Neurological Abnormalities in Jamaican Children with Autism. R. Melbourne-Chambers[*1], J. Tapper[2], M. H. Rahbar[3] and M. Samms-Vaughan[1], (1)Department of Child Health, The University of the West Indies, Kingston 7, Jamaica, (2)Bustamante Hospital for Children, Kingston, Jamaica, (3)Biostatistics, Epidemiology, Research Design (BERD) Core, Center for Clinical and Translational Sciences (CCTS), The University of Texas Health Science Center at Houston, Houston, TX

Poster Sessions
157 - Comorbid Medical Conditions
8:00 AM - 12:30 PM - Sheraton Hall

9:00 15 157.015 Feeding Difficulties Among Children with Autiusm Spectrum Disorders of Preschool Age: A Controlled Study. A. Kotsopoulos[*1], A. Troupou[2], M. Gyftogianni[3], A. Gasteratos[4] and A. Gyftogianni[5], (1)Speech Therapy, Technological Institute of Patras, Patras, Greece, (2)Day Centre for Children with Developmental Disorders, Messolonghi, Greece, (3)Day Centre for Children with Developmental Disorders, Messolonghi, Greece, (4)Day Centre for Children with Develomental Disorders, Messolonghi, Greece, (5)Day Centre for Children with Developmental Disorders, Messolonghi, Greece

10:00 16 157.016 Feeding Problems and Nutrient Intake in Children with Autism Spectrum Disorders: A Meta-Analysis and Comprehensive Review of the Literature. W. G. Sharp[*1,2], D. L. Jaquess[2,3], R. Berry[4], W. Jones[5], C. McCracken[6], C. A. Saulnier[7] and A. Klin[5], (1)Pediatric Feeding Disorders Program, Marcus Autism Center, Atlanta, GA, (2)Pediatrics, Emory University School of Medicine, Atlanta, GA, (3)Marcus Autism Center, Atlanta, GA, (4)Pediatric Feeding Dsiorders Program, Marcus Autism Center, Atlanta, GA, (5)Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA, (6)Biostatistics, Emory University School of Medicine, Atlanta, GA, (7)Marcus Autism Center, Children's Healthcare of Atlanta & Emory University School of Medicine, Atlanta, GA

11:00 17 157.017 Feeding Issues in Children with Autism and Abnormal Sensory Modulation. D. U. Menon[1], R. V. Whitney[2] and J. Smith[*3], (1)Kennedy Krieger Institute - Center for Autism & Related Disorders., Baltimore, MD, (2)Center for Autism & Related Disorders, Kennedy Krieger Institute, Baltimore, MD, (3)Occupational Therapy, San Jose State University, San Jose, CA

9:00 18 157.018 Food Selectivity and Autism: A Retrospective Chart Review Regarding the Anthropometric Status, Nutritional Intake and Dietary Variety Among Children with and without ASD. R. Berry[*1], W. G. Sharp[2,3], D. L. Jaquess[3,4] and S. Hartwig[2], (1)Pediatric Feeding Dsiorders Program, Marcus Autism Center, Atlanta, GA, (2)Pediatric Feeding Disorders Program, Marcus Autism Center, Atlanta, GA, (3)Pediatrics, Emory University School of Medicine, Atlanta, GA, (4)Marcus Autism Center, Atlanta, GA

10:00 19 157.019 Assessment of Feeding Difficulties Among Children with Autism Spectrum Disorders. D. L. Jaquess[*1,2], W. G. Sharp[1,3] and C. T. Lukens[4], (1)Pediatrics, Emory University School of Medicine, Atlanta, GA, (2)Marcus Autism Center, Atlanta, GA, (3)Pediatric Feeding Disorders Program, Marcus Autism Center, Atlanta, GA, (4)Children's Hospital of Philadelphia, Philadelphia, PA

11:00 ▸ 20 157.020 Assessment of Omega-3 Fatty Acids Status in Omani Autistic Children. M. I. Waly[*1], Y. M. Al-Farsi[1], M. Al-Sharbati[1], M. M. Al-Khaduri[1], A. Ali[1], M. M. Essa[1], A. Ouhtit[1], O. A. Al-Farsi[1], M. Al-Shafaee[1] and R. Deth[2], (1)Sultan Qaboos University, Muscat, Oman, (2)Northeastern University, Boston, MA

9:00 21 157.021 Serum Levels of Anterior Pituitary Hormones in Children with Autism. K. Iwata[*1], H. Matsuzaki[1] and N. Mori[2], (1)Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (2)Psychiatry and Neurology, Hamamatsu University School of Medicine, Hamamatsu, Japan

10:00 ▸ 22 157.022 Altered Antioxidant Enzymes in the Plasma of Autistic Omani Children. M. M. Essa[1,2], G. J. Guillemin[*3], F. L. Hakkim[4], M. I. Waly[5], M. Al-Sharbati[5], Y. M. Al-Farsi[5] and A. Ali[5], (1)Sultan Qaboos University, Muscat, Oman, (2)Neuropharmacology Group, Dept of Pharmacology, University of New South Wales, Sydney, NSW, Australia, (3)Pharmacology, UNSW, Sydney, Australia, (4)Nutrition, Sultan Qaboos University, Muscat, Oman, (5)Sultan Qaboos University, Muscat, Oman

11:00 23 157.023 VLDL-Specific Hypolipidemia Pattern in Human Subjects with Autism and Autistic Rodent Models. H. Matsuzaki[*1], K. Iwata[1] and N. Mori[2], (1)Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (2)Psychiatry and Neurology, Hamamatsu University School of Medicine, Hamamatsu, Japan

9:00 24 157.024 A Comparison Study of Inorganic and Organic Compounds in Children with Autism and Controls. S. Faber[*1], G. M. Zinn[2], T. Fahrenholz[2], A. Boggess[2], J. C. Kern[3] and H. M. S. Kingston[2], (1)Department of Medicine, The Children's Institute, Pittsburgh, PA, (2)Department of Chemistry and Biochemistry, Duquesne University, Pittsburgh, PA, (3)Department of Mathematics and Computer Science, Duquesne University, Pittsburgh, PA

10:00 25 157.025 Atypical Pupillary Light Reflex and Heart Rate Variability in Children with Autism. C. L. Daluwatte[*1,2], J. H. Miles[3], S. E. Christ[4], D. Q. Beversdorf[5], T. N. Takahashi[6] and G. Yao[2], (1)University of Missouri, Columbia, Columbia, MO, (2)Department of Biological Engineering, University of Missouri, Columbia, MO, (3)Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO, (4)Psychological Sciences, University of Missouri, Columbia, MO, (5)Radiology, Neurology, Psychology, and Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO, (6)University of Missouri – Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO

11:00 26 157.026 Incidence of Gastrointestinal Distress and Effects of Diet in 1- to 6-Month-Old Infants at High Risk for Autism Spectrum Disorders. K. R. Dobkins[*1], A. Penn[1], S. Taylor[2], L. J. Carver[3], C. Herbert[1] and G. W. Schmid-Schonbein[1], (1)University of California, San Diego, La Jolla, CA, (2)Rady Children's Hospital San Diego, San Diego, CA, (3)University of California, San Diego, La Jolla, CA

9:00 27 157.027 Gene Expression Profiles of Inflamed Bowel Biopsy Tissue in ASD Children Are Consistent with Inflammatory Bowel Disease. S. J. Walker[*1], J. Fortunato[2] and A. Krigsman[3], (1)Wake Forest Institute for Regenerative Medicine, Winston-Salem, NC, (2)Wake Forest University Health Sciences, Winston Salem, NC, (3)Pediatric Gastroenterology Resources of New York, Far Rockaway, NY

10:00 28 157.028 Increased Sympathetic Nervous System Tone in Autism Spectrum Disorders with Comorbid Gastrointestinal Symptomatology. B. J. Ferguson[*1], J. R. Day[1], B. R. Wexler[1], R. E. Lavoy[1], R. M. Zamzow[1], P. S. Foster[2] and D. Q. Beversdorf[3], (1)University of Missouri, Columbia, MO, (2)Middle Tennessee State University, Murfreesboro, TN, (3)Radiology, Neurology, Psychology, and Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO

11:00 29 157.029 Molecular Characterization of Gastrointestinal Microbiota in Children with Autism (both with and without gastrointestinal dysfunction) and Their Neurotypical Siblings. S. V. Gondalia[*], D. W. Austin and E. A. Palombo, Faculty of Life and Social Sciences, Swinburne University of Technology, Hawthorn, Australia

9:00 30 157.030 Gastrointestinal Problems, and Abdominal Pain in Particular, Are Associated with Affective Problems but Not Externalizing Behaviors in Children with High-Functioning Autism. D. R. Schreiber[*1], C. A. Mazefsky[2] and N. J. Minshew[3], (1)Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA, (2)3811 O'Hara, University of Pittsburgh, Pittsburgh, PA, (3)Psychiatry & Neurology, University of Pittsburgh, Pittsburgh, PA

10:00 31 157.031 Sleep Issues In ASD: Behavioral Implications for Adolescents. D. M. Antovich[1], J. Munson[2], T. St. John[3], S. R. Dager[4] and A. M. Estes[*5], (1)Speech and Hearing Sciences, Autism Center, University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA, (3)Speech and Hearing Sciences, University of Washington Autism Center, Seattle, WA, (4)University of Washington, Seattle, WA, (5)Speech and Hearing Sciences, University of Washington, Seattle, WA

11:00 32 157.032 The Validity of Actigraphy As a Diagnostic Tool for Sleep Disturbances in Children with Autism Spectrum Disorders. H. Holbrook[*1], K. Maski[1], E. Hanson[1,2], D. S. Manoach[2,3] and R. Stickgold[2,4], (1)Children's Hospital Boston, Boston, MA, (2)Harvard Medical School, Boston, MA, (3)Massachusetts General Hospital, Charlestown, MA, (4)Beth Israel Deaconess Medical Center, Boston, MA

9:00 33 157.033 Sleep Behaviors in Infants At High and Low Risk for Developing Autism Spectrum Disorders. S. Kauper[*1], M. C. Souders[2], S. Paterson[3] and I. Network[4], (1)Children's Hospital of Philadelphia, Philadelphia, PA, (2)University of Pennsylvania/The Children's Hospital of Philadelphia, Swarthmore, PA, (3)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (4)UW, UNC, WASTL, CHOP, Seattle, WA

10:00 34 157.034 Sleep Quality in Children and Adolescents with Autism Spectrum Disorder with and without Anxiety Compared to Typically Developing Children. M. C. Souders[*1], L. Berry[2], I. Giserman[2], C. M. Puleo[2], W. Eriksen[3], A. Bennett[2] and J. D. Herrington[2], (1)University of Pennsylvania/The Children's Hospital of Philadelphia, Swarthmore, PA, (2)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (3)Nursing, University of Pennsylvania, Philadelphia, PA

11:00 35 157.035 The Relation Between Poor Sleep and Executive Functioning in Children with Autism Spectrum Disorders. O. Hsin[*], M. C. Souders, R. T. Schultz and S. F. Epstein, Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA

9:00 36 157.036 Correlations Between Sensory Processing Symptoms and Sleep Disturbances Among Children with Autism Spectrum Disorders. M. Mosner[*1], L. E. Bradstreet[2], L. Guy[1], R. Schaaf[3], R. T. Schultz[4] and M. C. Souders[5], (1)Children's Hospital of Philadelphia, Center for Autism Research, Philadelphia, PA, (2)Children's Hospital of Philadelphia, Philadelphia, PA, (3)Thomas Jefferson University, Philadelphia, PA, (4)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia,, PA, (5)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA

10:00 37 157.037 Distinct Facial Phenotypes in Children with Autism Spectrum Disorders and Their Unaffected Siblings. J. R. Austin[*1,2], I. D. George[1,2], K. K. Cole[2], T. N. Takahashi[1], Y. Duan[1,3], J. H. Miles[1] and K. Aldridge[1,2], (1)University of Missouri – Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO, (2)Pathology & Anatomical Sciences, University of Missouri School of Medicine, Columbia, MO, (3)Computer Science Department, University of Missouri, Columbia, MO

11:00 38 157.038 2D Facial Pattern Analysis for Autism. T. Obafemi-Ajayi[1], B. Morago[1], J. Wilson[1], T. N. Takahashi[2], K. Aldridge[2,3], J. H. Miles[4] and Y. Duan[*1,2], (1)Computer Science Department, University of Missouri, Columbia, MO, (2)Thompson Center for Autism and Neurodevelopmental Disorders, Columbia, MO, (3)Pathology & Anatomical Sciences, University of Missouri, Columbia, MO, (4)Thompson Center for Autism and Neurodevelopmental Disorders, University of Missouri, Columbia, MO

9:00 39 157.039 A Prospective Case Series of Premature Infants Who Developed Autism Spectrum Disorder. C. Roncadin[*1], F. Nawaz[2], J. Brian[3], S. E. Bryson[4], A. Niccols[5], W. Roberts[3], I. M. Smith[4], P. Szatmari[6] and L. Zwaigenbaum[7], (1)Peel Children's Centre, Mississauga, ON, Canada, (2)University of Toronto Mississauga, Mississauga, ON, Canada, (3)Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada, (4)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (5)Infant-Parent Program, Hamilton Health Sciences Centre, Hamilton, ON, Canada, (6)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (7)University of Alberta, Edmonton, AB, Canada

10:00 40 157.040 Refined Subtyping of Autistic Patients Based on Pathogenetic Components. R. Sacco[*1,2], S. Rossi[1], B. Manzi[1], P. Curatolo[3], C. Bravaccio[4], C. Lenti[5] and A. M. Persico[1,2], (1)Child Neuropsychiatry Unit, Univ. Campus Bio-Medico, Rome, Italy, (2)IRCCS "Fondazione S. Lucia", Rome, Italy, (3)Child Neuropsychiatry, Univ. of Rome 'Tor Vergata', Rome, Italy, (4)Dept. of Pediatrics, Univ. 'Federico II', Naples, Italy, (5)Child Neuropsychiatry, Univ. of Milan, Milan, Italy

11:00 41 157.041 Reported Epilepsy and Abnormal EEG Activity in Individuals with ASD with and without Regression: A Meta-Analysis. J. Campbell, B. Barger[*], J. Donald and A. Dubin, University of Georgia, Athens, GA

9:00 ▸ 42 157.042 Epilepsy In Autism: Long Term Follow Up. N. Granana[*1], A. Suburo[2] and N. Fejerman[3], (1)Pediatrics, Hospital C Durand, Buenos Aires, Argentina, (2)Hospital Universitario Austral, Buenos Aires, Argentina, (3)Pediatric Neurology, Hospital J Garrahan, Buenos Aires, Argentina

10:00 43 157.043 Depakote Treatment for Concurrent Autism and Abnormal EEG. M. Chez[*1], C. Lepage[2] and R. Low[3], (1)Sutter Neuroscience Institute, Sacramento; UC Davis Medical Center, Sacramento, CA, (2)Sutter Neuroscience Medical Group, Sacramento, CA, (3)Sutter Neuroscience Medical Group, Sacramento, CA

11:00 44 157.044 Left Handed Phenotype in Autism. C. Lepage[*], Sutter Neuroscience Medical Group, Sacramento, CA

9:00 45 157.045 Asthma and Allergies in Children with Autism Spectrum Disorders. K. Lyall[*1], J. Van de Water[2,3], P. Ashwood[3,4] and I. Hertz-Picciotto[2,3], (1)Harvard School of Public Health, Berkeley, CA, (2)University of California, Davis, CA, (3)University of California, Davis, MIND Institute, Sacramento, CA, (4)Department of Medical Microbiology and Immunology Univ. California, Davis, CA

10:00 46 157.046 Phenotypic Similarity Between XYY Syndrome and Autism Spectrum Disorder. B. M. Winder[*1], L. Rescorla[1] and J. Ross[2], (1)Department of Psychology, Bryn Mawr College, Bryn Mawr, PA, (2)Department of Pediatrics, Thomas Jefferson University, Philadelphia, PA

11:00 47 157.047 Autistic Symptomatology in Prader-Willi Syndrome. A. Dimitropoulos[*1] and C. Klaiman[2], (1)Case Western Reserve University, Cleveland, OH, (2)Marcus Autism Center, Atlanta, GA

9:00 48 157.048 Autistic Traits in Women with Polycystic Ovary Syndrome. S. Herguner[*1], H. Harmancı[1], A. Herguner[1] and H. Toy[2], (1)Department of Child and Adolescent Psychiatry, Meram Faculty of Medicine, Konya, Turkey, (2)Department of Obstetrics and Gynecology, Meram Faculty of Medicine, Konya, Turkey

10:00 49 157.049 Parent-Reported Autism Spectrum Symptomatology in Children with Williams Syndrome. F. van der Fluit[*1], B. P. Klein-Tasman[2] and E. C. Bennaton[2], (1)PO Box 413, University of Wisconsin, Milwaukee, Milwaukee, WI, (2)Psychology, University of Wisconsin, Milwaukee, Milwaukee, WI

11:00 50 157.050 Simons Variation in Individuals Project: Characterizing the Phenotype of 16p11.2 Duplication Syndrome. L. Green Snyder[1], S. M. Kanne[2], R. Bernier[3], J. A. Burko[1], B. M. Cerban[1], W. Chung[4], R. P. Goin-Kochel[2], A. Laakman[2], A. Lian Cavanagh[*1], R. McNally Keehn[1,5], F. K. Miller[6], J. E. Olson[1], A. V. Snow[1,5], J. E. Spiro[7], A. D. Stevens[3], J. Tjernagel[7], N. Visyak[1], J. R. Wenegrat[3] and E. Hanson[1,5], (1)Children's Hospital Boston, Boston, MA, (2)Baylor College of Medicine, Houston, TX, (3)University of Washington, Seattle, WA, (4)Columbia University, New York, NY, (5)Harvard Medical School, Boston, MA, (6)University of Michigan, Ann Arbor, MI, (7)Simons Foundation, New York, NY

9:00 51 157.051 Osteoporosis and Ambulation in Girls with Rett Syndrome. K. Smith[*1], L. Yin[1], A. Pitts[2] and L. H. Wills[2], (1)Pediatrics, University of Southern California, Keck School of Medicine, Los Angeles, CA, (2)University Center for Excellence in Developmental Disabilities, Children's Hospital, Los Angeles, CA

10:00 52 157.052 Audiometric Profiles of Children with Autism Spectrum Disorders. C. Demopoulos[*1,2], C. Keller[1], G. Schroeder[3], K. DePlonty[1], B. E. Kopald[1], K. Cooper[1], N. Bangera[1] and J. D. Lewine[1], (1)M.I.N.D. Research Network, Albuquerque, NM, (2)Department of Psychology, Illinois Institute of Technology, Chicago, IL, (3)Lutheran General Hospital, Park Ridge, IL

11:00 53 157.053 Aetiologies and Outcomes in Children with Comorbid Autism Spectrum Disorder and Severe-Profound Hearing Impairment. M. Charlton[*], Royal Children's Hospital and Taralye Oral Language Centre for Deaf Children, Melbourne, Victoria, Australia

9:00 54 157.054 Clinical Phenotyping in Postmortem Brain Tissue Research- Progress and Challenges. C. K. Hare[*1] and J. Pickett[2], (1)Autism Speaks, Pittsburgh, PA, (2)Autism Tissue Program, Autism Speaks, San Diego, CA

10:00 55 157.055 Talk to the Hand: Finger and Hand Palm Prints in Adolescents with ASD As Compared to the General Population. E. I. de Bruin[*1], A. Louwerse[2] and A. C. Huizink[3], (1)Dept of Child Development and Education, University of Amsterdam, Amsterdam, Netherlands, (2)Department of Child & Adolescent Psychiatry and Psychology, Erasmus MC – Sophia's Children's Hospital, Rotterdam, Netherlands, (3)Department of Developmental Psychology, VU University Amsterdam, Amsterdam, Netherlands

11:00 56 157.056 Growth Characteristics of Jamaican Children with Autism. R. Melbourne-Chambers[*1], J. Tapper[2], M. H. Rahbar[3] and M. Samms-Vaughan[1], (1)Department of Child Health, The University of the West Indies, Kingston 7, Jamaica, (2)Bustamante Hospital for Children, Kingston, Jamaica, (3)Biostatistics, Epidemiology, Research Design (BERD) Core, Center for Clinical and Translational Sciences (CCTS), The University of Texas Health Science Center at Houston, Houston, TX

9:00 57 157.057 Poor Movement Skill in the Broader Autism Phenotype: Identification and Stability Over Time. H. C. Leonard[*] and E. L. Hill, Psychology, Goldsmiths, University of London, London, United Kingdom

10:00 ▸ 58 157.058 Pilot Study for Subgroup Classification for Autism Spectrum Disorder Based on Dysmorphology and Physical Measurements in Chinese Children. P. T. Y. Wong and V. C. N. Wong[*], Department of Paediatrics and Adolescent Medicine, The University of Hong Kong, China

Poster Sessions
158 - Comorbid Psychiatric and Behavioral Conditions
8:00 AM - 12:30 PM - Sheraton Hall

9:00 59 158.059 Multimodal Anxiety and Social Skills Intervention for Adolescents with Autism Spectrum Disorders (ASD): Feasibility and Preliminary Efficacy. S. W. White[*1], T. Ollendick[2] and L. Scahill[3], (1)Psychology, Virginia Polytechnic Institute and State University, Blacksburg, VA, (2)Virginia Polytechnic Institute and State University, Blacksburg, VA, (3)School of Medicine, Yale University, New Haven, CT

10:00 60 158.060 The Importance of the Reporter: Parents' State and Trait Anxiety. C. M. Conner[*], B. B. Maddox and S. W. White, Virginia Polytechnic Institute and State University, Blacksburg, VA

11:00 61 158.061 The Relationship Between Restricted Interests and Anxiety Disorder Symptoms in Children with Autism Spectrum Disorders (ASD). C. E. Lin[*1] and J. J. Wood[2], (1)Education and Psychiatry, UC Santa Barbara, Los Angeles, CA, (2)University of California, Los Angeles, CA

9:00 62 158.062 Intolerance of Uncertainty and Anxiety in Adolescents with Autism Spectrum Disorder. J. H. Filliter[*], K. M. Rancourt, M. E. Kerr and S. A. Johnson, Department of Psychology, Dalhousie University, Halifax, NS, Canada

10:00 63 158.063 Exploring the Relationship Between Anxiety and Insistence on Sameness in Autism Spectrum Disorders. K. Gotham[*1], V. Hus[2], S. L. Bishop[3], M. Huerta[4], A. Buja[5] and C. E. Lord[4], (1)Psychology, University of Michigan, Ann Arbor, MI, (2)University of Michigan, Ann Arbor, MI, (3)Cincinnati Children's Hospital Medical Center, Cincinnati, OH, (4)Weill Cornell Medical College, White Plains, NY, (5)Statistics, The Wharton School University of Pennsylvania, Philadelphia, PA

11:00 64 158.064 Predicting Social Outcomes for Children and Adolescents with Autism Spectrum Disorder: Is Anxiety Helpful?. K. H. Johnston[*] and G. Iarocci, Psychology, Simon Fraser University, Burnaby, BC, Canada

9:00 65 158.065 Investigating the Autonomic Nervous System Response to Anxiety in Children with Autism Spectrum Disorders. A. Kushki[*], M. Pla Mobarak, E. Drumm, N. Tanel, T. Chau and E. Anagnostou, Bloorview Research Institute, Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada

10:00 66 158.066 The Relationship Between Heart Rate and Anxiety in Autism Spectrum Disorders. M. J. Hollocks[*], L. Grayson, P. Howlin and E. Simonoff, Institute of Psychiatry, King's College London, London, United Kingdom

11:00 67 158.067 Evaluating a Parent-Rated Measure of Anxiety Symptoms in Children with Autism Spectrum Disorders. V. Hallett[*1] and L. Scahill[2], (1)Child Study Center, Yale University, New Haven, CT, (2)School of Medicine, Yale University, New Haven, CT

9:00 68 158.068 Anxiety in Children with Autism Spectrum Disorders Is Associated with Affective Symptoms in Their Mothers. M. Uljarevic[*1], J. Lidstone[2], S. R. Leekam[1], H. Kanaris[3], A. M. McKigney[4], J. Mullis[5], R. Paradice[6] and M. Nešić[7], (1)School of Psychology, Cardiff University, Cardiff, United Kingdom, (2)Psychology, Cardiff University, Cardiff, Wales, (3)Speech and Language Therapy Dept, St. Cadocs Hospital, Newport, United Kingdom, (4)Child and Adolescent Unit, St Cadoc's Hospital, Newport, United Kingdom, (5)Speech and Language Therapy Department, Cardiff & Vale University Health Board, Cardiff, United Kingdom, (6)St David's Hospital, Cardiff, United Kingdom, (7)Department of Physiology, Faculty of Medicine, University of Niš, Niš, Serbia

10:00 69 158.069 Differential Perceptions of Clinical Anxiety Among Clinicians and Parents in Children with Autism Spectrum Disorder. R. A. Vasa[*1], L. Kalb[2], B. H. Freedman[3], A. Keefer[4], S. M. Kanne[5] and M. O. Mazurek[6], (1)Kennedy Krieger Institute, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD, (3)University of Delaware, Newark, DE, (4)Kennedy Krieger Institute, Baltimore, MD, (5)Department of Pediatrics, Psychology Section, Baylor College of Medicine, Houston, TX, (6)Health Psychology, University of Missouri, Columbia, MO

11:00 70 158.070 Factors Associated with Anxiety In Children with ASD. F. J. van Steensel[*1] and S. M. Bogels[2], (1)Child Development and Education, University of Amsterdam, Amsterdam, Netherlands, (2)Dept. of Child Development and Education, University of Amsterdam, Amsterdam, Netherlands

9:00 71 158.071 Assessment of Anxiety in Children and Adolescents with Autism Spectrum Disorders. S. N. Grondhuis[*1] and M. G. Aman[2], (1)The Nisonger Center UCEDD, The Ohio State University, Columbus, OH, (2)The Nisonger Center UCEDD, The Ohio State University, Columbus, OH

WITHDRAWN

10:00 72 158.072 Factors Implicated in the Prevalence, Phenomenology and Impact of Anxiety Difficulties in Children with Autism Spectrum Disorders and Their Families. I. Magiati[*1], A. Y. Ong[1], X. Y. Lim[1], F. Patrycia[1], M. Sung[2], D. S. Fung[3] and K. Poon[4], (1)Psychology, National University of Singapore, Singapore, (2)Autism Clinic, Child Guidance Clinic, Institute of Mental Health, Singapore, (3)Child Guidance Clinic, Institute of Mental Health, Singapore, (4)Early Childhood and Special Needs Education, National Institute of Education, Singapore

11:00 73 158.073 Mother's Perceptions of Anxiety in Autism Spectrum Disorders. J. Palilla[*] and M. South, Brigham Young University, Provo, UT

9:00 74 158.074 Formal Thought Disorder in Children with ASD: Prevalence, Relations with Communication Impairment and Prediction of (pre)Psychotic Symptoms During Adolescence. M. L. Eussen[*1,2], E. I. de Bruin[3], P. de Nijs[2], F. Verheij[2], F. C. Verhulst[2] and K. Greaves-Lord[2,4], (1)Yulius, Dordrecht, Netherlands, (2)Department of Child & Adolescent Psychiatry and Psychology, Erasmus MC – Sophia's Children's Hospital, Rotterdam, Netherlands, (3)Dept of Child Development and Education, University of Amsterdam, Amsterdam, Netherlands, (4)Academie, Yulius, Rotterdam, Netherlands

10:00 75 158.075 Schizophrenia Spectrum Traits and Mental Health in Children with ASD. K. D. Gadow[*], State University of New York, Stony Brook, NY

11:00 76 158.076 Suicidality and Self-Injury in High-Functioning Adolescents with Autism Spectrum Disorder. B. B. Maddox[*] and S. W. White, Virginia Polytechnic Institute and State University, Blacksburg, VA

9:00 77 158.077 A Review of Cases Presenting with Symptoms of Autism Spectrum Disorder At An Outpatient Mental Health Program. J. Shuster[*1,2] and J. A. Eichstedt[3], (1)York University, Toronto, ON, Canada, (2)Child and Adolescent Mental Health Care Program, London Health Sciences Centre, London, ON, Canada, (3)Child & Adolescent Mental Health Care Program, London Health Sciences Centre, London, ON, Canada

10:00 78 158.078 Drug Refractory Irritability in Persons with Autism Spectrum Disorders. B. Adler[*], L. Wink, R. Shaffer, N. Minshawi and C. Erickson, Indiana University School of Medicine, Indianapolis, IN

11:00 79 158.079 Response Time Intra-Subject Variability: Commonalities Between Children with Autism Spectrum Disorder and Children with Children with ADHD. N. Adamo[*1], S. B. Lebovitz[1], S. Adelsberg[1], E. Petkova[2,3], F. X. Castellanos[1,3] and A. Di Martino[1], (1)NYU Child Study Center at the NYU Langone Medical Center, Phyllis Green and Randolph Cōwen Institute for Pediatric Neuroscience, New York, NY, (2)Division of Biostatistics, NYU Child Study Center, New York, NY, (3)Nathan Kline Institute for Psychiatric Research, Orangeburg, NY

9:00 80 158.080 Prevalence and Risk Factors for Attention-Deficit/Hyperactivity Disorder Among Children with Autism Spectrum Disorders. A. Keefer[*1], L. Kalb[1] and R. A. Vasa[2,3], (1)Kennedy Krieger Institute, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD, (3)Johns Hopkins School of Medicine, Baltimore

10:00 81 158.081 Neural Correlates of Face and Eye Gaze Processing Differentiate Children with Autism Spectrum Disorder (ASD) and/or Attention Deficit Hyperactivity Disorder (ADHD). C. Tye[*1], E. Mercure[2], K. L. Ashwood[3], B. Azadi[3], P. Asherson[1], M. H. Johnson[4], P. F. Bolton[3] and G. McLoughlin[1], (1)MRC Social, Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Kings College London, London, United Kingdom, (2)Institute of Cognitive Neuroscience, University College London, London, United Kingdom, (3)Child and Adolescent Psychiatry, Institute of Psychiatry, Kings College London, London, United Kingdom, (4)Centre for Brain and Cognitive Development, Birkbeck, University of London, London, United Kingdom

11:00 82 158.082 Association of Internalising Traits and Autistic Traits in Adolescence in a Community-Based Twin Sample. A. D. Scherff[*1], T. Charman[2] and A. Ronald[3], (1)Genes Environment Lifespan (GEL) laboratory, Centre for Brain and Cognitive Development, Department of Psychological Sciences, Birkbeck College, London, United Kingdom, (2)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (3)Birkbeck College, London, United Kingdom

9:00 83 158.083 Internalizing and Externalizing Behaviors in Children with ASD. C. Manangan[1], H. N. Liming[*1], H. Dauterman[1], B. J. Wilson[1] and K. Reynolds[2], (1)Clinical Psychology, Seattle Pacific University, Seattle, WA, (2)Seattle Pacific University, Seattle, WA

10:00 84 158.084 The Repetitive Behavior Spectrum: From Autism to Obsessive Compulsive Disorder. R. H. Rice[*], Pittsford, NY

11:00 85 158.085 Reactive/Proactive Aggression, Emotion Regulation, and Empathy in Children with ASD. L. Stockmann[1], L. B. Pouw[*2] and C. Rieffe[2], (1)Center for Autism, Leiden, Netherlands, (2)Developmental Psycholology, Leiden University, Leiden, Netherlands

9:00 86 158.086 Use of On-Body Sensing and Computational Analysis to Automatically Detect Problem Behaviors. A. Rozga[*1], N. Y. Hammerla[2], A. R. Reavis[3], N. A. Call[4] and T. Plötz[5], (1)Georgia Institute of Technology, Atlanta, GA, (2)School of Computing Science, Newcastle University, Newcastle upon Tyne, United Kingdom, (3)Marcus Autism Center & Children's Healthcare of Atlanta, Atlanta, GA, (4)Marcus Autism Center, Children's Healthcare of Atlanta, & Emory University School of Medicine, Atlanta, GA, (5)School of Interactive Computing, Georgia Institute of Technology, Atlanta, GA

10:00 87 158.087 Examining the Relation Between Sensory Sensitivity and Obsessive-Compulsive Behaviors in Autism Spectrum Disorders As Moderated by Early Language Acquisition. T. W. Soto[*1], L. Wainwright[2], A. S. Carter[2], I. Noens[3,4], D. L. Pauls[5] and K. D. Tsatsanis[6], (1)University of Massachusetts, Boston, MA, (2)University of Massachusetts, Boston, MA, (3)Psychiatric and Neurodevelopmental Genetics Unit, Massachusetts General Hospital, Boston, MA, (4)Parenting and Special Education Research Unit, Katholieke Universiteit Leuven, Leuven, Belgium, (5)Massachusetts General Hospital, Boston, MA, (6)Yale Child Study Center, New Haven, CT

11:00 88 158.088 Gender Differences in Obsessive and Compulsive Symptomatology Among Children with ASD. V. Livermore-Hardy[*1], D. H. Skuse[2] and W. P. Mandy[3], (1)Social Communication Disorders Clinic, Great Ormond Street for Children Hospital NHS Trust, London, United Kingdom, (2)Institute of Child Health, London, United Kingdom, (3)University College London, London, United Kingdom

9:00 89 158.089 Psychopathology and Impairment in Children with ASD. A. J. Kaat[*1], K. D. Gadow[2] and L. Lecavalier[3], (1)Nisonger Center, Columbus, OH, (2)State University of New York, Stony Brook, NY, (3)Ohio State University, Columbus, OH

10:00 90 158.090 Behavioral Intervention to Reduce Arousal Improves Compliance and Information Retrieval in Children with ASD. P. R. Zelazo[*1,2], C. Reid[1], E. Neumark[1,3], M. Vedenina[1,4] and J. A. Correa[5], (1)Montreal Autism Centre, Montreal, QC, Canada, (2)Psychology, McGill University, Montreal, QC, Canada, (3)Psychology, Concordia University, Montreal, QC, Canada, (4)Concordia University, Centre for Research in Human Development, Montreal, QC, Canada, (5)Mathematics and Statistics, McGill University, Montreal, QC, Canada

11:00 91 158.091 Stability and Predictors of the Developmental Course From Childhood Into Adolescence of Co-Occurring Psychiatric Disorders in Individuals with ASD. C. Verheij[1], S. C. Louwerse[1], J. Van der Ende[1], F. Verheij[1], F. C. Verhulst[1] and K. Greaves-Lord[*1,2], (1)Department of Child & Adolescent Psychiatry and Psychology, Erasmus MC – Sophia's Children's Hospital, Rotterdam, Netherlands, (2)Academie, Yulius, Rotterdam, Netherlands

9:00 92 158.092 Co-Occurring Symptoms in a Mixed Clinical Sample of Children with Autism Spectrum Disorders. N. Bilenberg[*], Child and Adolescent Psychiatry, University of Southern Denmark, Odense C, Denmark

WITHDRAWN

10:00 93 158.093 Internalizing Problems and Emotion Dysregulation In Children with ASD. L. B. Pouw[*1], C. Rieffe[1] and L. Stockmann[2], (1)Developmental Psychololgy, Leiden University, Leiden, Netherlands, (2)Center for Autism, Leiden, Netherlands

11:00 94 158.094 The Impact of the Marital Relationship, Family Environment, and Child Behavior on Maternal Depression. A. S. Weitlauf[*1], A. C. Vehorn[1], S. P. White[1], J. L. Taylor[2] and Z. Warren[1], (1)Vanderbilt University, Nashville, TN, (2)Vanderbilt Kennedy Center, Nashville, TN

9:00 95 158.095 Early Temperament As a Predictor of Psychopathology in Younger Siblings of Children with Autism. P. A. Rao[*1,2], R. A. Vasa[2,3] and R. J. Landa[4,5], (1)Kennedy Krieger Institute, Baltimore, MD, (2)Center for Autism & Related Disorders, Baltimore, MD, (3)Kennedy Krieger Institute, Baltimore, MD, (4)Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD, (5)Johns Hopkins School of Medicine, Baltimore, MD

10:00 96 158.096 Disassociation of Maternal Stress in Autism, Fragile X, and Fragile X with Autism. L. M. McCary[*1], A. Robinson[1], J. Kellett[2] and J. E. Roberts[3], (1)Psychology, University of South Carolina, Columbia, SC, (2)University of South Carolina, Columbia, SC, (3)Department of Psychology, University of South Carolina, Columbia, SC

11:00 97 158.097 Stress in Parents of Preschoolers Diagnosed with Autism Spectrum Disorder. M. N. Simard[*1], E. Gisel[2], E. Fombonne[3,4] and M. Couture[5], (1)CHUQ Research Center, Montreal, QC, Canada, (2)McGill University, Montreal, QC, Canada, (3)Montreal Children's Hospital, Montreal, QC, Canada, (4)Psychiatry, McGill University, Montreal, QC, Canada, (5)Sherbrooke University, Sherbrooke, QC, Canada

9:00 98 158.098 Parental Distress in Pursuit of ASD Diagnostic Consultation. S. P. White[*], J. A. Davidson, A. G. Nicholson, A. Vehorn, H. Noble, A. S. Weitlauf and Z. Warren, TRIAD, Vanderbilt Kennedy Center, Nashville, TN

10:00 99 158.099 Parental Stress in Families of Children with Autism and Other Developmental Disabilities: Associations with Ethnic Groups and Child-Comorbid Symptoms. M. D. Valicenti-McDermott[*1], K. Hottinger[1], K. Lawson[1], R. M. Seijo[1], M. Schechtman[1], L. H. Shulman[1] and S. Shinnar[2], (1)CERC, Albert Einstein College of Medicine, Bronx, NY, (2)Neurology, Albert Einstein College of Medicine, Bronx, NY

11:00 100 158.100 Vicarious Futurity, Hope, and Well-Being in Parents of Children with Autism. D. J. Faso[*1], A. R. Neal[2] and C. L. Carlson[3], (1)University of Texas at Dallas, Dallas, TX, (2)University of Texas, Austin, TX, (3)The University of Texas, Austin, TX

9:00 101 158.101 Family Functioning and Maternal Depression: A Latent Growth Curve Analysis. A. Zaidman-Zait[*1], P. Mirenda[1], 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], S. Georgiades[2], E. Duku[2], A. Thompson[2] and T. Pathways in ASD Study Team[9], (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)Psychiatry, McGill University, 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, Vancouver, BC, Canada, (9)McMaster University, Hamilton, ON, Canada

10:00 102 158.102 A Family Affair: Linking the Role of Parental Confidence, Siblings, and Emotion Regulation in Children with Autism Spectrum Disorders. N. M. Reyes[*1] and A. Scarpa[2], (1)Psychology, Virginia Tech, Blacksburg, VA, (2)Department of Psychology, Virginia Tech, Blacksburg, VA

11:00 103 158.103 The Nature of Savant Skills in Children with Autism Spectrum Disorders. R. Furlano[*1] and E. A. Kelley[2], (1)Psychology, Queen's University, Kingston, ON, Canada, (2)Department of Psychology, Queen's University, Kingston, ON, Canada

9:00 104 158.104 Differential Consequences of Bullying on Internalizing Symptoms in Adolescents with High-Functioning Autism. B. C. Gamber[*1], A. R. Neal-Beevers[1], L. Sperle[2] and A. K. Stefanatos[1], (1)University of Texas, Austin, TX, (2)University of Pittsburgh, Pittsburgh, PA

10:00 105 158.105 Resilience to Bullying Victimization Among Youth with Autism Spectrum Disorders. J. A. Weiss[*1], M. C. Cappadocia[2] and D. Pepler[2], (1)Department of Psychology, York University, Toronto, ON, Canada, (2)York University, Toronto, ON, Canada

11:00 106 158.106 The Relationship Between Social Skill Deficits and Comorbidity Among Adolescents with Autism Spectrum Disorder. A. Pulido M.A.[*1,2], C. White[3], R. Hodges[4] and A. J. Lincoln[5], (1)Alliant International University, San Diego, CA, (2)Center for Autism Research and Evaluation, San Diego, CA, (3)Center for Autism Research Evaluation and Service, San Diego, CA, (4)CARES, San Diego, CA, (5)Alliant International University;Center for Autism Research, Evaluation and Service, San Diego, CA

9:00 107 158.107 Psychosexual Problems in Individuals with ASD: Prevalence, Predictors and Developmental Course. L. P. Dekker[*1,2], E. van der Vegt[3], S. C. Louwerse[1], N. Tick[2], F. C. Verhulst[1], A. Maras[2] and K. Greaves-Lord[1,2], (1)Department of Child & Adolescent Psychiatry and Psychology, Erasmus MC - Sophia's Children's Hospital, Rotterdam, Netherlands, (2)Academie, Yulius, Rotterdam, Netherlands, (3)Yulius, Barendrecht, Netherlands

10:00 108 158.108 Increased Rates of Gender Identity Issues Among Children and Adolescents with Autism Spectrum Disorders. J. Strang[*1], L. Kenworthy[1], A. Dominska[1], J. L. Sokoloff[1], K. Walsh[2], M. Berl[3], E. Menvielle[4] and G. L. Wallace[5], (1)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (2)Hematology/Oncology, Children's National Medical Center, Washington, DC, (3)Division of Neuropsychology, Children's National Medical Center, Rockville, MD, (4)Gender and Sexuality Development Program, Children's National Medical Center, Washington, DC, (5)NIMH, Bethesda, MD

11:00 109 158.109 Sexuality in a Community Based Sample of Adults with Autism Spectrum Disorder. L. L. Gilmour[*1], M. P. Schalomon[2] and V. Smith[1], (1)Educational Psychology, University of Alberta, Edmonton, AB, Canada, (2)Psychology, Grant MacEwan University, Edmonton, AB, Canada

Poster Sessions
159 - Core Deficits and Symptoms
8:00 AM - 12:30 PM - Sheraton Hall

9:00 110 159.110 Impairments in Real World Executive Function Increase From Childhood to Adolescence in Autism Spectrum Disorders. M. A. Rosenthal[*1], G. L. Wallace[2], R. Lawson[3], M. C. Wills[1], E. Dixon[4], B. Yerys[1], A. Martin[2] and L. Kenworthy[1], (1)Center for Autism Spectrum Disorders, Children's National Medical Center, Rockville, MD, (2)NIMH, Bethesda, MD, (3)Loyola University, Baltimore, MD, (4)Lab of Brain and Cognition, NIMH, Bethesda, MD

10:00 ▸ 111 159.111 Factors Related to the Development of Bilingual Vocabularies in Young Children with Autism Spectrum Disorders. C. Hambly[*1], C. Roux[2], M. J. Cecyre[3], J. Noseworthy[3] and E. Fombonne[3,4], (1)Psychiatry/Autism Spectrum Disorders Research, Montreal Children's Hospital, Montreal, QC, Canada, (2)University of Quebec in Montreal, Montreal, QC, Canada, (3)Montreal Children's Hospital, Montreal, QC, Canada, (4)Psychiatry, McGill University, Montreal, QC, Canada

11:00 112 159.112 Associations of IQ and Autistic Symptomology with Functioning in Young Adults with ASD: Self- and Parent Report. S. K. Kapp[*1], A. Gantman[2] and E. Laugeson[3], (1)Psychological Studies in Education, University of California, Los Angeles, CA, (2)UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA, (3)UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA

9:00 ▸ 113 159.113 Community Service Providers' Views and Experiences Regarding Bilingualism and Autism. K. Hudry[*] and L. Pamment, Olga Tennison Autism Research Centre, Bundoora, Australia

10:00 114 159.114 Stability and Validity of a New Vocal Complexity Measure. P. J. Yoder[*1], D. K. Oller[2], J. A. Richards[3], S. Gray[4] and J. Gilkerson[3], (1)Special Education, Vanderbilt University, Nashville, TN, (2)University of Memphis, Memphis, TN, (3)Research, LENA Foundation, Boulder, CO, (4)Self-Employed, Boulder, CO

11:00 115 159.115 Reduced Preference for Social Rewards in Toddlers with Autism: Relations with Symptoms and Treatment Response. K. Sullivan[*1], J. Munson[2] and G. Dawson[3], (1)University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA, (3)University of North Carolina, Autism Speaks, Chapel Hill, NC

9:00 116 159.116 Social Functioning in Individuals with a History of Autism Spectrum Disorders Who Have Achieved Optimal Outcomes. A. Orinstein[*1], E. Troyb[1], K. E. Tyson[1], M. Helt[1], M. A. Rosenthal[2], J. Suh[1], L. O'Connell[3], M. Barton[1], I. M. Eigsti[4], E. A. Kelley[3], L. Naigles[1], M. C. Stevens[5], R. T. Schultz[6] and D. A. Fein[1], (1)University of Connecticut, Storrs, CT, (2)Children's National Medical Center, Center for Autism Spectrum Disorders, Bethesda, MD, (3)Department of Psychology, Queen's University, Kingston, ON, Canada, (4)University of Connecticut, Storrs, CT, (5)The Institute of Living, Hartford Hospital/Yale University, Hartford, CT, (6)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA

10:00 117 159.117 Language Profiles of Boys with Idiopathic Autism or Fragile X Syndrome: A Cross-Disorder Comparison. A. McDuffie[*1], S. T. Kover[2], R. J. Hagerman[3] and L. Abbeduto[4], (1)Psychiatry, MIND Institute University of California Davis, Sacramento, CA, (2)University of Wisconsin, Madison Waisman Center, Madison, WI, (3)Pediatrics, U.C. Davis MIND Institute, Sacramento, CA, (4)Psychiatry, M.I.N.D. Institute University of California Davis, Sacramento, CA

11:00 118 159.118 Directed Vocalizations and Smiles Can Differ As Early As At 6 Month of Age. P. A. Filipek[*1], K. M. Johns[2], M. M. Abdullah[3], K. L. Pham[4], P. L. Horner[5] and J. T. Phan[4], (1)Children's Learning Institute and Division of Child & Adolescent Neurology, UT Health Sciences Center at Houston, Houston, TX, (2)School of Medicine, UT Health Sciences Center at Houston, Houston, TX, (3)Psychology and Social Behavior, University of California, Irvine, CA, (4)For OC Kids Neurodevelopmental Center, Orange, CA, (5)Department of Communication Disorders, California State University, Los Angeles, CA

9:00 119 159.119 Delayed Reversal Learning in Autism. T. Newton[*1], W. Ernst[1], P. D. Chamberlain[1] and M. South[1,2], (1)Neuroscience, Brigham Young University, Provo, UT, (2)Psychology, Brigham Young University, Provo, UT

10:00 120 159.120 ADOS Severity Scores Predict Performance on a Classic Measure of Intentional Understanding in Preschoolers on the Spectrum. J. Pandey[1], J. Parish-Morris[*2], K. Hirsh-Pasek[3], R. M. Golinkoff[4], R. Pulverman[5], R. T. Schultz[6] and S. Paterson[7], (1)Children's Hospital of Philadelphia, Philadelphia, PA, (2)University of Pennsylvania, Philadelphia, PA, (3)Temple University, Ambler, PA, (4)University of Delaware, Newark, DE, (5)Delaware State University, Dover, DE, (6)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (7)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA

11:00 121 159.121 Identifying Pragmatic Language Skills Difficulties in School-Aged Boys with Autism Spectrum Disorder (ASD). C. Koning[*1] and J. Volden[2], (1)Glenrose Rehabilitation Hospital, Edmonton, AB, Canada, (2)University of Alberta, Edmonton, AB, Canada

9:00 122 159.122 Social Orienting in Children with ASD. D. Kamara[*1], E. J. H. Jones[1], C. Rubery[1], S. Corrigan[1], J. N. Greenson[2], K. Toth[1,2], S. J. Webb[1,2] and G. Dawson[3], (1)Seattle Children's Research Institute, Seattle, WA, (2)University of Washington, Seattle, WA, (3)University of North Carolina, Autism Speaks, Chapel Hill, NC

10:00 123 159.123 Vocabulary Composition in Toddlers with ASD: The Longitudinal Development of a Productive Verb Lexicon. C. Gilman[1], J. Parish-Morris[*2], D. A. Fein[3] and L. Naigles[3], (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)University of Pennsylvania, Philadelphia, PA, (3)University of Connecticut, Storrs, CT

11:00 124 159.124 Neglecting the Eyes and It's Cascade Effect On Joint Attention Abilities In Children with ASDs. R. Fadda[*1], S. Congiu[2], F. Musante[2], G. S. Doneddu[2] and A. Salvago[2], (1)Department of Psychology, University of Cagliari, Cagliari, Italy, (2)Center for Pervasive Developmental Disorders, AOB, Cagliari, Italy

9:00 125 159.125 Exploring Moral Judgment In High Functioning Autism: The Role of Emphaty and Theory of M.I.N.D. G. S. Doneddu[*1], R. Fadda[2], L. Ferretti[1], G. Saba[1], F. Casano[1] and G. Macchiavello[1], (1)Center for Pervasive Developmental Disorders, AOB, Cagliari, Italy, (2)Department of Psychology, University of Cagliari, Cagliari, Italy

10:00 126 159.126 Prelinguistic Predictors of Language in Young Children with Autism Spectrum Disorders. C. C. Wu[*1], C. H. Chiang[2] and Y. M. Hou[3], (1)Department of Psychology, Kaohsiung Medical University, Taiwan, (2)National Chengchi University, Taipei, Taiwan, (3)Department of Psychiatry, Chia-Yi Chritian Hospitial, Chai-Yi, Taiwan

11:00 127 159.127 Differences in Reaching and Object Exploration Skills Between Infants At Risk for Autism and Typically Developing Infants in the First 15 Months of Life. G. Ju[*1], M. Kaur[1], A. C. Harris[1], S. Srinivasan[1] and A. Bhat[2], (1)Kinesiology, University of Connecticut, Storrs, CT, (2)University of Connecticut, Storrs, CT

9:00 128 159.128 Validation of a Japanese Version of the Vineland Adaptive Behavior Scales, Second Edition: Comparison Between ASD, ADHD, and Intellectual Disability. H. Ito[*1], M. Ohnishi[2], S. Ohtake[1], F. Someki[1] and M. Tsujii[3], (1)Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (2)Fukui University, Fukui, Japan, (3)Department of Contemporary Sociology, Chukyo University, Nagoya, Japan

10:00 129 159.129 Spoken Language Abilities in Adults with High-Functioning Autism. S. Kuo[*1], M. L. McEntee[1], L. Bosley[1], E. Lacey[1], M. A. Andrejczuk[1], A. Cooper[1] and B. Gordon[1,2], (1)Cognitive Neurology/Neuropsychology, Department of Neurology, The Johns Hopkins University School of Medicine, Baltimore, MD, (2)Department of Cognitive Science, The Johns Hopkins University, Baltimore, MD

11:00 130 159.130 Motor Functioning and Language Development in Preschool Children with Autism. A. Hellendoorn[*1], P. P. Leseman[1], L. Wijnroks[1], C. Dietz[2], J. K. Buitelaar[3,4] and E. Van Daalen[5], (1)Department of Educational Sciences, Utrecht University, Utrecht, Netherlands, (2)Youth Division, Altrecht Institute for Mental Health Care, Utrecht, Netherlands, (3)Department of Cognitive Neuroscience, Donders Institute for Brain, Cognition and Behavior, Radboud University, Nijmegen, Netherlands, (4)Karakter Child and Adolescent Psychiatry University Centre, Nijmegen, Netherlands, (5)Department of Child - and Adolescent Psychiatry, University Medical Centre Utrecht, Utrecht, Netherlands

9:00 131 159.131 The Regression of Language Skills in Preschool Children with Autism Spectrum Disorder. B. Backes[*], R. B. Zanon, R. G. Endres, M. A. Meimes and C. A. Bosa, Psychology, Federal University of Rio Grande do Sul, Porto Alegre, Brazil

10:00 132 159.132 Speech Delays and Early Social Communication and Symbolic Functioning in Toddlers with and without Autism. S. Shumway[*1], A. Thurm[2], C. Marti[2], L. Joseph[2], L. Rothschild[2], L. B. Swineford[3] and D. Luckenbaugh[4], (1)Communication Sciences and Disorders, University of Utah, Salt Lake City, UT, (2)Pediatrics & Developmental Neuroscience Branch, National Institute of Mental Health, Bethesda, MD, (3)Florida State University Autism Institute, Tallahassee, FL, (4)Experimental Therapeutics and Pathophysiology Branch, National Institute of Mental Health, Bethesda, MD

11:00 133 159.133 Differences in Associative Learning Between Infants At Risk for Autism and Typically Developing Infants within the First 15 Months of Life. A. Kinsella[*1], S. Srinivasan[1], M. Kaur[1] and A. Bhat[2], (1)Kinesiology, University of Connecticut, Storrs, CT, (2)University of Connecticut, Storrs, CT

9:00 134 159.134 Differential Predictors of Social Behavior with Unfamiliar Adults Versus Peers in Higher Functioning Children with Autism. L. Usher[*1] and H. A. Henderson[2], (1)University of Miami, Coral Gables, FL, (2)University of Miami, Coral Gables, FL

10:00 ▸ 135 159.135 A Look At the Input: Relationships Between Parental Speech and Child Vocabulary in Autism and Typical Development. J. Bang[*] and A. Nadig, School of Communication Sciences & Disorders, McGill University, Montreal, QC, Canada

11:00 136 159.136 Comprehension of Head Nodding and Head Shaking Gestures in Early Childhood. M. Fusaro[*1], G. S. Young[2] and S. J. Rogers[2], (1)Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA, (2)Psychiatry and Behavioral Sciences, UC Davis M.I.N.D. Institute, Sacramento, CA

9:00 137 159.137 Early Developmental Patterns of Receptive and Expressive Language in Children with ASD. M. Matthews[*], C. E. Venker, E. Haebig and S. Ellis Weismer, Waisman Center, University of Wisconsin-Madison, Madison, WI

10:00 138 159.138 Gender Trends in the Friend Preference and Social Acceptance of Girls and Boys with Autism. M. Dean[*1] and C. Kasari[2], (1)University of California, Los Angeles, CA, (2)University of California, Los Angeles, CA

11:00 139 159.139 Parent-Child Shared Storybook Reading for Children with Autism Spectrum Disorders: A Comparison with Typical Development and Relationships with Child Language. S. C. Smith[*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

9:00 140 159.140 Early Vocal Development in Infants At Risk of Autism: Prosody and Social Interaction. G. Ramsay[*], K. Muench and A. Klin, Marcus Autism Center, Children's Healthcare of Atlanta & Emory School of Medicine, Atlanta, GA

10:00 141 159.141 Pronoun Comprehension As a Window Into Pragmatic Processing in ASD. R. Nappa[*], N. Hahn and J. Snedeker, Psychology, Harvard University, Cambridge, MA

11:00 142 159.142 Executive Functioning and Responsiveness to Joint Attention in Autism. K. Dela Cruz[1], K. Gillespie-Lynch[*2], N. Le[1], T. Hutman[3] and S. P. Johnson[1], (1)University of California, Los Angeles, CA, (2)Psychology, UCLA, Los Angeles, CA, (3)Psychiatry, UCLA Center for Autism Research and Treatment, Los Angeles, CA

Poster Sessions
160 - Core Deficits and Symptoms II
8:00 AM - 12:30 PM - Sheraton Hall

9:00 143 160.143 Exploring Relationships Between Anxiety Symptoms and Repetitive Behaviors in Children with Autism Spectrum Disorders. I. Giserman[*1], L. Berry[1], C. M. Puleo[1], M. C. Souders[1], A. Bennett[1], J. S. Miller[2] and J. D. Herrington[1], (1)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA, (2)Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA

10:00 144 160.144 Adult-Supported Intention-Reading in Children with High-Functioning Autism Spectrum Disorders. K. J. Greenslade[*] and T. E. Coggins, Department of Speech and Hearing Sciences, University of Washington, Seattle, WA

11:00 145 160.145 The Female Profile of Autism: An Examination of Friendships. A. M. Head[*1], J. A. McGillivray[2], J. A. Manjiviona[3], T. Attwood[4] and M. A. Stokes[2], (1)Psychology, Deakin Univeristy, Burwood, Australia, (2)Psychology, Deakin University, Burwood, Australia, (3)Department of Psychology, The University of Melbourne, Melbourne, Australia, (4)Psychology, Griffith University, Brisbane, Australia

9:00 146 160.146 Clinical Presentation of ASD in Preschool-Aged Girls and Boys: Differences That Could Delay Identification of Girls. L. Huang-Storms[*], Childrens Medical Center Dallas, Dallas, TX

10:00 147 160.147 Characterizing Language Development in Infants At Risk for Language Impairment. K. Downing[*1] and V. Vogel-Farley[2], (1)Department of Psychology, Boston University, Boston, MA, (2)Labs of Cognitive Neuroscience, Children's Hospital Boston, Boston, MA

11:00 148 160.148 Gestures As Facilitators for Word Learning in Children with ASD: The Role of Social Intent and Attentional Cues. K. E. Patrick[*1], F. Hurewitz[2] and A. E. Booth[3], (1)Psychology, Drexel University, Philadelphia, PA, (2)Department of Psychology, Drexel University, Philadelphia, PA, (3)Communication Sciences and Disorders, Northwestern University, Evanston, IL

9:00 149 160.149 Parents of Children with ASD Scaffold Novel Word Learning. A. M. Gonzalez Barrero[*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

10:00 150 160.150 Communication Spontaneity in Infants At High and Low Risk for ASD. S. L. Alvarez[*1], A. M. Estes[2], J. E. Elgin[1], B. LeBlanc[1] and A. D. Rosenberg[1], (1)University of Washington, Seattle, WA, (2)Speech and Hearing Sciences, University of Washington, Seattle, WA

11:00 151 160.151 Initial Psychometric Properties of the Autism Impact Measure (AIM): A New Tool for Treatment Outcome Measurement. S. M. Kanne[*1], M. O. Mazurek[2], D. Sikora[3], B. J. Bellando[4], B. H. Freedman[5], B. L. Handen[6], T. Katz[7], E. Leuthe[8], M. M. Powell[9], J. Vickstrom[10], L. Walters[11] and Z. Warren[12], (1)Pediatrics, Baylor College of Medicine, Missouri City, TX, (2)Health Psychology, University of Missouri, Columbia, MO, (3)Oregon Health & Science University, Portland, OR, (4)University of Arkansas for Medical Sciences, Little Rock, AR, (5)Kennedy Krieger Institute, Baltimore, MD, (6)University of Pittsburgh School of Medicine, Pittsburgh, PA, (7)University of Colorado, Aurora, CO, (8)JFK Partners – University of Colorado Denver, Aurora, CO, (9)Pediatrics, Baylor College of Medicine, Houston, TX, (10)Vanderbilt Kennedy Center, Nashville, TN, (11)Arkansas Children's Hospital Research Institute, Little Rock, AR, (12)Vanderbilt University, Nashville, TN

9:00 152 160.152 Characterizing the Language Phenotype in Adults with ASD and Its Relationship with Daily Living Skills. A. Sterling[*] and M. M. Seltzer, Waisman Center, University of Wisconsin-Madison, Madison, WI

10:00 153 160.153 Correlates of Early Imitation Recognition in Preschoolers with ASD. N. I. Berger[*1] and B. Ingersoll[2], (1)Michigan State University, East Lansing, MI, (2)Psychology, Michigan State University, East Lansing, MI

11:00 154 160.154 The Social Awareness Knowledge (SAKT) Test: An Interactive Test to Detect Autism Spectrum Disorders (ASD) in Toddlers. R. Choueiri[*1], S. Mangan[2], E. Stern[1] and S. Wagner[3], (1)Floating Hospital for Children, Boston, MA, (2)Claremont Graduate University, Claremont, CA, (3)Behavior Development and Educational Services, Lexington, MA

9:00 155 160.155 The Speech-Gesture Link and Trajectory of Language Development Among Young Children At Risk for Autism. K. Sheperd[*1,2] and R. J. Landa[1,2], (1)Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD, (2)Johns Hopkins School of Medicine, Baltimore, MD

10:00 156 160.156 Factors Associated with Empathic Behavior in Children and Adolescents with High-Functioning ASD. A. M. Scheeren[*1], P. C. Mundy[2], H. M. Koot[1], L. Mous[1] and S. Begeer[1], (1)VU University, Amsterdam, Netherlands, (2)M.I.N.D. Institute, UC Davis, Sacramento, CA

11:00 157 160.157 Deconstructing the Play Impairment in Autism: An Analysis of Interdependent Variables. C. E. Harrop[*1], R. Emsley[2], J. Green[1] and P. Consortium[3], (1)Community-based Medicine, University of Manchester, Manchester, United Kingdom, (2)Health Methodology Research Group, University of Manchester, Manchester, United Kingdom, (3)University of Manchester, Manchester, United Kingdom

9:00 158 160.158 Assessing Receptive Vocabulary Knowledge in Individuals with Autism Using Implicit Measures. I. Gangopadhyay[*1], L. Bosley[1], K. Ledoux[1] and B. Gordon[1,2], (1)Cognitive Neurology/Neuropsychology, Department of Neurology, The Johns Hopkins University School of Medicine, Baltimore, MD, (2)Department of Cognitive Science, The Johns Hopkins University, Baltimore, MD

10:00 159 160.159 Beyond Pointing: Gesture Profiles in the First Year Differentiate Infants with ASD, Language Delays, and Typical Development. C. C. Clements[*1], J. Garzarek[2], S. Macari[2], D. Campbell[2] and K. Chawarska[2], (1)Department of Psychiatry, Massachusetts General Hospital, Boston, MA, (2)Child Study Center, Yale University School of Medicine, New Haven, CT

11:00 160 160.160 A Second Look At Imitation: Imitative Errors in Children with Autism Spectrum Disorders. M. Sevlever[*1], J. M. Gillis[1], R. E. Mattson[1] and R. G. Romanczyk[2], (1)Auburn University, Auburn, AL, (2)Institute for Child Development, State University of NY at Binghamton, Binghamton, NY

9:00 161 160.161 Nonverbal Referential Communication and Language in Infants At High Risk for ASD. C. J. Grantz[*1], L. V. Ibanez[2], D. N. Gangi[3], W. L. Stone[4], Z. Warren[5] and D. S. Messinger[6], (1)University of Miami, Coral Gables, FL, (2)CHDD, University of Washington Autism Center, Seattle, WA, (3)Department of Psychology, University of Miami, Coral Gables, FL, (4)University of Washington, Seattle, WA, (5)TRIAD, Vanderbilt Kennedy Center, Nashville, TN, (6)Psychology, University of Miami, Coral Gables, FL

10:00 162 160.162 Identifying Features of ASD Language Impairment in Narrative Retellings. E. T. Prud'hommeaux[*], B. Roark, L. M. Black and J. van Santen, Center for Spoken Language Understanding, Oregon Health & Science University, Beaverton, OR

11:00 163 160.163 Responsive Parental Behaviour Predicts Joint Engagement in Toddlers with Autism Spectrum Disorder (ASD). S. Y. Patterson[*1], L. Elder[2], A. Gulsrud[3] and C. Kasari[4], (1)Graduate School of Education and Information Studies, University of California, Los Angeles, CA, (2)University of Washington, Seattle, WA, (3)UCLA, Los Angeles, CA, (4)University of California, Los Angeles, CA

9:00 164 160.164 Structural Equation Modeling to Measure Well-Being and Its Association with Autism Symptoms. B. Harrison[*1] and T. Smith[2], (1)University of Rochester, Rochester, NY, (2)Neurodevelopmental and Behavioral Pediatrics, University of Rochester Medical Center, Rochester, NY

10:00 165 160.165 Screening Children with Autism Spectrum Disorders (ASD) Using the Japanese Version of the Strengths and Difficulties Questionnaire (J-SDQ). S. Ohtake[*1], F. Someki[1], H. Ito[1], M. Ohnishi[2] and M. Tsujii[3], (1)Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, (2)Fukui University, Fukui, Japan, (3)Department of Contemporary Sociology, Chukyo University, Nagoya, Japan

11:00 166 160.166 Evaluation of Classroom Performance in Students with Autism Spectrum Disorder. N. Sparapani[*1], L. Morgan[2] and A. M. Wetherby[1], (1)Florida State University Autism Institute, Tallahassee, FL, (2)Autism Institute, Florida State University, Tallahassee, FL

9:00 167 160.167 Exploring the Impact of Vygotsky in Pre-School Autism. C. E. Harrop[*1], J. Green[1] and P. Consortium[2], (1)Community Based Medicine, University of Manchester, Manchester, United Kingdom, (2)University of Manchester, Manchester, United Kingdom

10:00 168 160.168 Age of First Words Predicts Cognitive Ability and Adaptive Skills in Children with ASD. J. Mayo[*1], C. Chlebowski[2], D. A. Fein[3] and I. M. Eigsti[4], (1)University of Connecticut, Storrs, CT, (2)University of Connecticut, Storrs, CT, (3)Department of Psychology, University of Connecticut, Storrs, CT, (4)University of Connecticut, Storrs, CT

11:00 169 160.169 Characteristics of Toddlers Screening False Positive on the Modified Checklist for Autism in Toddlers (M-CHAT). S. D. Tomchek[*1], L. L. Sears[1] and C. G. Sears[2], (1)Pediatrics, University of Louisville, Louisville, KY, (2)Biology, Goshen College, Goshen, IN

9:00 170 160.170 The Relationship of Motor Skills & Social Skills in Young Children with Autism. M. I. MacDonald[*], 202 Women's Building, Corvallis, OR

10:00 171 160.171 Asperger Syndrome in Adults: Evidence for the Validity of Contemporary Screens. B. M. Stoesz[*1], J. Montgomery[2], L. Hellsten[3], K. Stoddart[4], L. J. Burke[5] and M. A. Stokes[6], (1)Psychology, University of Manitoba, Altona, MB, Canada, (2)Psychology, University of Manitoba, Winnipeg, MB, Canada, (3)Department of Educational Psychology & Special Education, University of Saskatchewan, Saskatoon, SK, Canada, (4)Redpath Centre, Toronto, ON, Canada, (5)The Redpath Centre, Toronto, ON, Canada, (6)School of Psychology, Deakin University, Burwood, Australia

11:00 172 160.172 Divergence of Object Play Trajectories Between High-Risk Infant Siblings and Low-Risk Controls Occurs Between 15 and 18 Months of Age. T. P. Nguyen[*1], L. V. Ibanez[2], M. Fong[3], D. S. Messinger[4], C. J. Grantz[5], Z. Warren[6] and W. L. Stone[7], (1)Special Education, San Francisco State University, San Francisco, CA, (2)CHDD, University of Washington Autism Center, Seattle, WA, (3)University of Washington Autism Center CHDD, Seattle, WA, (4)Psychology, University of Miami, Coral Gables, FL, (5)University of Miami, Coral Gables, FL, (6)Vanderbilt University, Nashville, TN, (7)University of Washington, Seattle, WA

9:00 173 160.173 Memantine Treatment for Behavioral Improvement in Autism. R. Low[*1] and C. Lepage[2], (1)Sutter Neuroscience Medical Group, Sacramento, CA, (2)Sutter Neuroscience Medical Group, Sacramento, CA

10:00 174 160.174 Potential Gender Differences in Older Children and Adolescents with Autism Spectrum Disorder. A. M. Schmidt[*], M. A. Winter-Messiers and T. Oswald, University of Oregon, Eugene, OR

11:00 175 160.175 Theory of Mind and IQ in High Ability Youth with An ASD. A. Berns[*1] and S. Assouline[2], (1)The University of Iowa, North Liberty, IA, (2)The University of Iowa, Iowa City, IA

9:00 176 160.176 The Psychometric Evaluation of the Theory of Mind Inventory. T. L. Hutchins[*], University of Vermont, Burlington, VT

Poster Sessions
161 - Core Deficits and Symptoms III
8:00 AM - 12:30 PM - Sheraton Hall

9:00 ▸ 177 161.177 Comparing Early Language Development in Monolingual- and Bilingual-Exposed Children with Autism Spectrum Disorders. P. Mirenda[*1], K. Ohashi[2], J. Petersen[3], S. Marinova-Todd[1], C. Hambly[4], E. Fombonne[4], P. Szatmari[5], S. E. Bryson[6], W. Roberts[7], I. M. Smith[6], T. Vaillancourt[8], J. Volden[9], L. Zwaigenbaum[9], S. Georgiades[5] and A. Thompson[5], (1)University of British Columbia, Vancouver, BC, Canada, (2)ABA Learning Centre, Richmond, BC, Canada, (3)Down Syndrome Research Foundation, Burnaby, BC, Canada, (4)McGill University, Montreal, QC, Canada, (5)Offord Centre for Child Studies, McMaster University, Hamilton, ON, Canada, (6)Dalhousie University/IWK Health Centre, Halifax, NS, Canada, (7)Autism Research Unit, The Hospital for Sick Children, Toronto, ON, Canada, (8)University of Ottawa, Ottawa, ON, Canada, (9)University of Alberta, Edmonton, AB, Canada

10:00 178 161.178 The Autism Quotient Has Concurrent Validity with the Social Responsiveness Scale. K. Armstrong[*] and G. Iarocci, Psychology, Simon Fraser University, Burnaby, BC, Canada

11:00 179 161.179 Responding to Joint Attention Requests From Virtual and Non-Virtual Social Partners. B. Lambert[*1], A. Gutierrez[1], W. Mattson[1], J. Artigas[1], O. Martinez[2], M. Kimijima[1], J. Cassell[3], J. Cohn[4] and D. S. Messinger[1], (1)Psychology, University of Miami, Coral Gables, FL, (2)University of Miami, Coral Gables, FL, (3)Northwestern University, Evanston, IL, (4)Psychology, University of Pittsburgh, Pittsburgh, PA

9:00 180 161.180 The Influence of Social-Communicative Skills on the General Development of Toddlers with Autism Spectrum Disorder (ASD). L. Verhaeghe[*], M. Dereu, P. Warreyn and H. Roeyers, Department of Experimental Clinical and Health Psychology, Ghent University, Ghent, Belgium

10:00 181 161.181 Critical Evaluation of Commonly Used Assessments of Theory of Mind Abilities. K. V. O'Connor[*1], J. P. Stichter[2] and M. Herzog[3], (1)Special Education, University of Missouri, Columbia, MO, (2)University of Missouri, Columbia, MO, (3)University of Missouri, Columbia, MO

11:00 182 161.182 Predictive Utility of CBCL Subscale Scores on Autism Diagnoses in Preschool-Aged Children. S. E. Hoffenberg[1] and S. E. Crossett[*2], (1)Pediatric Neurodevelopmental Center, Marcus Autism Center: Children's Healthcare of Atlanta, Atlanta, GA, (2)Pediatric Neurodevelopment Center, Marcus Autism Center: Children's Healthcare of Atlanta, Atlanta, GA

9:00 183 161.183 Psychotropic Medication Use in Children Before Autism Spectrum Diagnosis Is Made. I. Bukelis[*1], A. N. Harris[2], S. E. O'Kelley[3], K. Guest[4], M. W. Gower[5] and F. J. Biasini[4], (1)Psychiatry Residency Program, University of Alabama, Birmingham, AL, (2)Developmental Psychology, The University of Alabama, Birmingham, AL, (3)UAB Civitan-Sparks Clinics, Birmingham, AL, (4)Psychology, University of Alabama, Birmingham, AL, (5)University of Alabama, Birmingham, AL

10:00 184 161.184 Pronounced Lateral Glances in Children with ASDs and Parents Perception of Social Abilities in Daily Life. M. Foscoliano[*1], R. Fadda[2], G. S. Doneddu[1], P. M. Peruzzi[1], F. Casano[1] and G. Frigo[1], (1)Center for Pervasive Developmental Disorders, AOB, Cagliari, Italy, (2)Department of Psychology, University of Cagliari, Cagliari, Italy

11:00 185 161.185 Coding Joint Engagement Live in School-based Research: Reliability and Psychometric Considerations. J. R. Dykstra[*1], B. Boyd[2], L. R. Watson[1], C. McCarty[2], G. T. Baranek[2] and E. Crais[1], (1)Speech and Hearing Sciences, University of North Carolina, Chapel Hill, NC, (2)Occupational Science, University of North Carolina, Chapel Hill, NC

9:00 186 161.186 Motor Behaviors and Associations with Later Consonant Inventory in Nonverbal Children with ASD. E. Patten[*1], L. R. Watson[2] and P. J. Yoder[3], (1)Communication Sciences and Disorders, UNC Greensboro, Greensboro, NC, (2)Speech and Hearing Sciences, University of North Carolina, Chapel Hill, NC, (3)Vanderbilt University, Nashville, TN

10:00 187 161.187 Empathic Behavior in Children and Adolescents with High-Functioning ASD. A. M. Scheeren[*1], P. C. Mundy[2], H. M. Koot[1], L. Mous[1] and S. Begeer[1], (1)VU University, Amsterdam, Netherlands, (2)MIND Institute, UC Davis, Sacramento, CA

11:00 188 161.188 Sibling Relationships and Social Skills in Adolescents With and Without ASD. B. Caplan[*1], C. Neece[2] and B. Baker[1], (1)Department of Psychology, University of California, Los Angeles, CA, (2)Department of Psychology, Loma Linda University, Loma Linda, CA

9:00 189 161.189 Does Social Shyness Predict Autism in High Risk Preschoolers with FXS? A Longitudinal Examination of Behavioral and Biomarkers of Autism. M. Mounts[*1], B. Tonnsen[1], K. Rizzo[1], A. Ingram[1], D. Hatton[2] and J. E. Roberts[1], (1)Department of Psychology, University of South Carolina, Columbia, SC, (2)Vanderbilt University, Nashville, TN

10:00 190 161.190 The Influence of Social Communicative Abilities on Language Development in Children At Risk for Autism Spectrum Disorder: A Prospective Longitudinal Study. M. Dereu[*], H. Roeyers, P. Warreyn and R. Raymaekers, Department of Experimental Clinical and Health Psychology, Ghent University, Ghent, Belgium

11:00 191 161.191 Accounting for Social Skills Deficits in Adolescents with ASD, Intellectual Disability, and Typical Development. R. W. Ellingsen[*1], J. Blacher[2] and E. Laugeson[3], (1)Clinical Psychology, University of California, Los Angeles, CA, (2)Graduate School of Education, University of California, Riverside, CA, (3)Psychiatry, UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA

9:00 192 161.192 Parental Concerns: Consistency Across Question Format and Relationship to Child Performance. B. Brooks, K. Casagrande[*] and D. L. Robins, Georgia State University, Atlanta, GA

10:00 193 161.193 Perceptions of Peer Rejection Among Adolescents with ASD: Comparing Adolescent, Parent, and Teacher Reports. A. R. Dillon[*1], S. Bates[2] and E. Laugeson[2], (1)Pacific Graduate School of Psychology, Palo Alto, CA, (2)UCLA Semel Institute for Neuroscience & Human Behavior, Los Angeles, CA

11:00 194 161.194 Syntactic Comprehension in Boys with Autism Spectrum Disorders: Evidence From Specific Constructions. S. T. Kover[*1], E. Haebig[1], A. Oakes[2], A. McDuffie[3], R. J. Hagerman[4] and L. Abbeduto[3], (1)Waisman Center, University of Wisconsin-Madison, Madison, WI, (2)M.I.N.D. Institute, University of California, Davis, Sacramento, CA, (3)Psychiatry, M.I.N.D. Institute University of California Davis, Sacramento, CA, (4)Pediatrics, U.C. Davis M.I.N.D. Institute, Sacramento, CA

9:00 195 161.195 The Relationship Between Motor and Language Abilities in Autism Spectrum Disorders. A. N. Harris[*1], M. K. McCalla[2], S. E. O'Kelley[3] and K. Guest[4], (1)The University of Alabama, Birmingham, AL, (2)University of Alabama, Birmingham, AL, (3)UAB Civitan-Sparks Clinics, Birmingham, AL, (4)Psychology, University of Alabama, Birmingham, AL

10:00 196 161.196 Differences in Object Sharing and Locomotor Skills Between Infants At Risk for Autism and Typically Developing Infants in the First 15 Months of Life. E. Cha[*1], S. Srinivasan[1], M. Kaur[1] and A. Bhat[2], (1)Kinesiology, University of Connecticut, Storrs, CT, (2)University of Connecticut, Storrs, CT

11:00 197 161.197 Usability & Likability of the Virtual Environment for Social Information Processing (VESIP TM) for Children with and without Autism Spectrum Disorders. N. M. Russo-Ponsaran[*1], C. McKown[1], J. Johnson[1], A. Allen[1] and K. Knudsen[2], (1)Behavioral Sciences; Rush NeuroBehavioral Center, Rush University Medical Center, Skokie, IL, (2)Soar Technology, Inc., Ann Arbor, MI

9:00 198 161.198 Autism Symptom Severity As Moderator of IQ and Language Development Among Children with Delayed Phrase Speech and Autism Spectrum Disorder. P. Mathy[*1], E. L. Wodka[2] and L. Kalb[2], (1)Kennedy Kreiger Institute, Baltimore, MD, (2)Kennedy Krieger Institute, Baltimore, MD

10:00 199 161.199 Parentsxperception of the First Symptoms of Autism Spectrum Disorder: A Retrospective Study. R. B. Zanon[*1], B. Backes[2], R. G. Endres[2], R. G. Gowert[2] and C. A. Bosa[2], (1)Federal University of Rio Grande do Sul, Porto Alegre, RS, Brazil, (2)Psychology, Federal University of Rio Grande do Sul, Porto Alegre, Brazil

11:00 200 161.200 Differences in Emotional Self-Regulation within ASD, ADHD and Typically Developing Populations. A. T. Dovi[*], E. Allain, C. M. Brewton and G. T. Schanding, School Psychology, University of Houston, Houston, TX

9:00 201 161.201 Predictors of Initial Language Level and Rates of Language Growth in Young Children with ASD. S. Ellis-Weismer[*1], C. E. Venker[2], H. Sindberg[3] and C. E. Ray-Subramanian[4], (1)University of Wisconsin, Middleton, WI, (2)Waisman Center, University of Wisconsin, Madison, WI, (3)University of Wisconsin, Madison, WI, (4)Waisman Center, University of Wisconsin, Madison, WI

10:00 ▸ 202 161.202 Parental Recognition of Early Signs of ASD in Venezuelan Children. C. Montiel-Nava[*1], M. A. Soto[2], M. Marín[2], Z. Gonzalez[3], J. A. Chacin[4] and J. Pena[5], (1)La Universidad del Zulia, Maracaibo, Venezuela, (2)Universidad Rafael Urdaneta, Maracaibo, Venezuela, (3)Psychology, La Universidad del Zulia, Maracaibo, Venezuela, (4)Genetics, La Universidad del Zulia, Maracaibo, Venezuela, (5)Pediatrics, La Universidad del Zulia, Maracaibo, Venezuela

11:00 203 161.203 How Do the Functions of Restricted and Repetitive Behaviors Vary with Developmental Level in Children with ASD?. J. Lidstone[*1], M. Uljarevic[1], S. R. Leekam[1], H. Kanaris[2], A. M. McKigney[3], J. Mullis[4] and R. Paradice[5], (1)School of Psychology, Cardiff University, Cardiff, United Kingdom, (2)Speech and Language Therapy Dept, St. Cadocs Hospital, Newport, United Kingdom, (3)Child and Adolescent Unit, St Cadoc's Hospital, Newport, United Kingdom, (4)Speech and Language Therapy Department, Cardiff & Vale University Health Board, Cardiff, United Kingdom, (5)St. David's Hospital, Cardiff, United Kingdom

9:00 204 161.204 Superior Auditory Memory in Young Children with ASD? Results From a Non-Word Repetition Task and Relationships with Vocabulary. A. K. Mulligan[*] and A. Nadig, School of Communication Sciences & Disorders, McGill University, Montreal, QC, Canada

10:00 205 161.205 Repetitive Behaviors and Executive Functions in Children with High Functioning Autism Spectrum Disorders. K. Jitlina[*1], A. McCrimmon[1], A. A. Altomare[2] and R. L. Matchullis[1], (1)University of Calgary, Calgary, AB, Canada, (2)School and Applied Child Psychology, University of Calgary, Calgary, AB, Canada

11:00 206 161.206 Mentalizing Knowledge of the Self Versus Others: Distinct Clinical Predictors of Social Maladjustment in Children with Higher Functioning Autism. D. C. Coman[*1], N. K. Coman[1], N. E. Zahka[2], C. Hileman[3] and H. A. Henderson[1], (1)Psychology, University of Miami, Coral Gables, FL, (2)Behavioral Medicine and Clinical Psychology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, (3)M.I.N.D. Institute, UC Davis, Sacramento, CA

9:00 207 161.207 Exploring the Relationship Between Communication Skills and Sleep Problems in Autism Spectrum Disorders. M. K. McCalla[*], A. N. Harris, E. H. Sheridan, K. Guest and S. E. O'Kelley, The University of Alabama at Birmingham, Birmingham, AL

10:00 208 161.208 Constructs of Social Communication in ASD Measures, Categorized by the Who's International Classification of Functioning, Disability and Health (ICF). M. J. Cooley Hidecker[*1], B. M. Di Rezze[2], B. Ross[3], H. Hawthorn[1], N. Galla[1] and T. Allen[1], (1)University of Central Arkansas, Conway, AR, (2)McMaster University, Hamilton, ON, Canada, (3)Communication Sciences and Disorders, University of Houston, Houston, TX

Future IMFAR Annual Meeting Dates

2013
San Sebastian, Spain
May 2-4, 2013

2014
Atlanta, Georgia, USA
May 15-17, 2014

2015
Salt Lake City, Utah, USA
May 14-16, 2015

1:30-3:30P	**IES** – Grand Ballroom Centre Rethinking Interventions and Implementation Strategies for Under-Resourced Areas		
1:30-3:30P	**IES** – Dominion Ballroom Methodologic Challenges in Risk Factor Epidemiology: Advancing the State of Research		
1:30-3:30P	**Oral Session** – Grand Ballroom East Brain Imaging: fMRI Social Cognition and Emotion Perception	**Oral Session** – Grand Ballroom West Services	**Oral Session** – Osgoode Ballroom East Genetics II
3:30-4:30P	**Session**: Data Management for Autism Research – Grand Ballroom West		

Invited Educational Symposium
162 - Rethinking Interventions and Implementation Strategies for Under-Resourced Areas
1:30 PM - 3:30 PM - Grand Ballroom Centre

Session Chairs: C. Kasari[1], D. S. Mandell[2]; *(1)UCLA, (2)University of Pennsylvania School of Medicine*

A growing body of research provides exciting evidence for the efficacy of both targeted and comprehensive interventions for children with autism. Relatively few of these interventions have made their way into community practice, however, and when they do, outcomes rarely approximate what is observed in university-based research settings. This implementation challenge is exacerbated among many underserved communities, for whom "research" is a loaded term. Translation of research findings into community settings is particularly difficult in school settings, in which educators and administrators may doubt the applicability of research practices to the unique aspects of settings or system resources. To overcome such barriers, having a dialogue with schools, parents, and community members around best practices is essential for the next phase of "translation" of research on behavioral treatments for individuals with ASD. This dialogue is especially important for communities that are most likely to struggle to provide access to services, with lesser capacity to implement evidence based practice, especially involving individuals under-represented in most extant ASD intervention studies. This symposium will address these issues and present a series of innovative studies with the overarching goal of enriching intervention research with concepts and strategies from implementation science.

1:30 162.001 Parent Mediated Interventions: What Works, What Doesn't?. C. E. Lord*, Institute for Brain Development, Weill Cornell Medical College, White Plains, NY

2:00 162.002 Interventions for Social Impairment at School: Rethinking Implementation. J. J. Locke*, Center for Mental Health Policy and Services Research, University of Pennsylvania, Philadelphia, PA

2:30 162.003 Implementation Strategies In Schools: What We Have Learned From Teachers. A. C. Stahmer*[1,2], J. Suhrheinrich[1,2], S. R. Reed[1,2] and L. Schreibman[2], (1)Rady Children's Hospital, San Diego, CA, (2)University of California, San Diego, La Jolla, CA

3:00 162.004 Lessons From the Field: How Challenges From Effectiveness and Implementation Trials Can Inform Intervention and Study Design. D. S. Mandell*, Psychiatry, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA; Children's Hospital of Philadelphia, Center for Autism Research, Philadelphia, PA

Invited Educational Symposium
163 - Methodologic Challenges in Risk Factor Epidemiology: Advancing the State of Research
1:30 PM - 3:30 PM - Dominion Ballroom

Session Chair: B. K. Lee; *Drexel University School of Public Health*

In recent years, epidemiologic studies have implicated a number of potential prenatal and perinatal risk factors in the etiology of autism. Unfortunately, challenges inherent in observational risk factor study designs, such as confounding, measurement error, and selection bias, can limit causal inference from epidemiologic studies of autism etiology. In this educational symposium, speakers will review the state of epidemiology research regarding four different prenatal risk factor domains noting the major methodological challenges specific to each domain and highlighting at least one specific technique that can be used to overcome these challenges.

1:30 163.001 Parental Age. C. J. Newschaffer*, Drexel University School of Public Health, Philadelphia, PA

2:00 163.002 Perinatal and Neonatal Risk Factors for Autism: Lessons and Challenges of Meta-Analysis. S. L. Buka*, Department of Epidemiology, Brown University, Providence, RI

2:30 163.003 Environmental Pollutants. I. Burstyn*, Drexel University School of Public Health, Philadelphia, PA

3:00 163.004 Maternal Prescription Drug Use. L. A. Croen*, Kaiser Permanente Division of Research, Oakland, CA

Oral Sessions
164 - Brain Imaging: fMRI Social Cognition and Emotion Perception
1:30 PM - 3:30 PM - Grand Ballroom East

1:30 164.001 Brain Responses to Anthropomorphism and Perception of Actions in Autism. C. Doss*, L. Libero, D. Bala, M. Bellare and R. K. Kana, University of Alabama at Birmingham, Birmingham, AL

1:45 164.002 Diminished Superior Temporal Sulcus Response to Communicative Intent in Children with ASD. A. Martin*[1], A. C. Voos[2], A. Vouloumanos[3], K. A. Pelphrey[2] and M. D. Kaiser[2], (1)Psychology, Yale University, New Haven, CT, (2)Child Study Center, Yale University, New Haven, CT, (3)New York University, New York, NY

2:00 164.003 Lack of Neural Specialization for Speech in Children with Autism Spectrum Disorder. R. H. Bennett[*1], S. Shultz[2] and K. A. Pelphrey[3], (1)Yale University, New Haven, CT, (2)Child Study Center, Yale University, New Haven, CT, (3)Yale Child Study Center, Yale University School of Medicine, New Haven, CT

2:15 164.004 Disrupted Neural Response to Affective Touch in ASD. M. D. Kaiser[*1], A. C. Voos[1], R. H. Bennett[1], I. Gordon[1], F. McGlone[2] and K. A. Pelphrey[1], (1)Child Study Center, Yale University, New Haven, CT, (2)Liverpool John Moores University, Liverpool, United Kingdom

2:30 164.005 Lack of Embodiment of Action Words in the Autistic Brain. R. L. Moseley[*1], B. Mohr[1,2,3], A. K. Ludlow[2], M. V. Lombardo[4], S. Baron-Cohen[4] and F. Pulvermüller[1,3], (1)MRC Cognition and Brain Sciences Unit, Cambridge, United Kingdom, (2)Anglia Ruskin University, Cambridge, United Kingdom, (3)Free University of Berlin, Berlin, Germany, (4)Autism Research Centre, University of Cambridge, Cambridge, United Kingdom

2:45 164.006 fMRI of Emotion Regulation in Autism. G. S. Dichter[*1], J. A. Richey[2], C. Damiano[1], M. Smoski[3], N. J. Sasson[4], E. Hanna[5], A. Sabatino[6] and J. W. Bodfish[1], (1)University of North Carolina, Chapel Hill, NC, (2)Psychology, Virginia Tech, Blacksburg, VA, (3)Psychiatry, Duke University Medical Center, Durham, NC, (4)University of Texas at Dallas, Richardson, TX, (5)UNC, Chapel Hill, NC, (6)University of North Carolina, Chapel Hill, NC

3:00 164.007 Oxytocin Receptor Gene (OXTR) Impacts Salience Network Connectivity in Children With and Without ASD. L. Hernandez[*1,2], J. D. Rudie[1,3], D. Beck-Pancer[1,2], E. M. Kilroy[1], D. H. Geschwind[3,4], S. Y. Bookheimer[2,3] and M. Dapretto[1,2,3], (1)Brain Mapping Center, University of California, Los Angeles, CA, (2)Department of Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, CA, (3)Interdepartmental Neuroscience Program, University of California, Los Angeles, CA, (4)Department of Neurology, University of California, Los Angeles, CA

3:15 164.008 Oxytocin's Impact on Social Cognitive Brain Function in Youth with ASD. I. Gordon[*1], R. H. Bennett[2], B. C. Vander Wyk[3], J. F. Leckman[2], R. Feldman[4] and K. A. Pelphrey[2], (1)Yale University, New Haven, CT, (2)Child Study Center, Yale University, New Haven, CT, (3)Yale Child Study Center, New Haven, CT, (4)The Gonda Brain Center, Bar-Ilan University, Ramat Gan, Israel

Oral Sessions
165 - Services
1:30 PM - 3:30 PM - Grand Ballroom West

1:30 165.001 Diagnostic and Health Care Experiences of Children with Autism Spectrum Disorder, Intellectual Disability, or Developmental Delay: An Introduction to New Nationally Representative Survey Data. R. M. Avila[*1], S. J. Blumberg[1], L. J. Colpe[2] and B. Pringle[2], (1)Division of Health Interview Statistics, The CDC's National Center for Health Statistics, Hyattsville, MD, (2)Division of Services and Intervention Research, National Institute of Mental Health, Bethesda, MD

1:45 165.002 A Survey of the Use of Health Services by Children with Autism Spectrum Disorders in Israel. R. Raz[*1], L. Lerner-Geva[1,2], O. Leon[3], G. Chodick[1,4] and L. Gabis[3,5], (1)School of Public Health, Tel Aviv University, Tel Aviv, Israel, (2)The Women and Children Health Research Unit, The Gertner Institute, Tel-Hashomer, Israel, (3)Weinberg Child Development Center, Sheba Medical Center, Tel-Hashomer, Israel, (4)Maccabi Healthcare Services, Tel Aviv, Israel, (5)Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

2:00 165.003 Transition to Secondary Education: Impact on Children with An Autism Spectrum Disorder. C. Willis[*1], O. Baykaner[2], S. Staunton[3], D. H. Skuse[4] and W. P. Mandy[5], (1)Great Ormond Street Hospital, London, United Kingdom, (2)Behavioral & Brain Sciences Unit, Institute of Child Health, London, United Kingdom, (3)Social Communication Disorders Clinic, Great Ormond Street Hospital, London, United Kingdom, (4)Institute of Child Health, London, United Kingdom, (5)University College, London, United Kingdom

2:15 165.004 Risk and Protective Factors for Bullying and Victimisation Among Students with Autism Spectrum Disorders. N. Humphrey[*] and J. S. Hebron, Educational Support and Inclusion, University of Manchester, Manchester, United Kingdom

2:30 165.005 A Randomized Controlled Study of Face to Face and Web-based COMPASS Consultation. L. A. Ruble[*1], J. H. McGrew[2] and M. D. Toland[1], (1)University of Kentucky, Lexington, KY, (2)Indiana University - Purdue University, Indianapolis, IN

2:45 165.006 Predictors of Outcomes of Preschool Aged Children Enrolled in An Early Intervention Trial. K. Williams[*1], M. Carter[2], T. Clark[3], D. Evans[4], T. Parmenter[4], N. Silove[5] and J. Roberts[6], (1)University of Melbourne and Royal Children's Hospital, Melbourne, Australia, (2)Macquarie University, Sydney, Australia, (3)Autism Spectrum Australia, Sydney, Australia, (4)University of Sydney, Sydney, Australia, (5)Children's Hospital at Westmead, Sydney, Australia, (6)Griffith University, Brisbane, Australia

3:00 ▸ 165.007 Empowering Latino Families of Children with ASD: A Psycho-Educational Intervention. S. Magana[*1], R. Paradiso de Sayu[1] and W. Machalicek[2], (1)Waisman Center, University of Wisconsin-Madison, Madison, WI, (2)Special Education, University of Oregon, Eugene, OR

3:15 ▸ 165.008 An Online Survey of Early Signs, Diagnosis and Intervention for Children with Autism in China. X. Qian[*], University of Minnesota, Minneapolis, MN

Oral Sessions
166 - Genetics II
1:30 PM - 3:30 PM - Osgoode Ballroom East

1:30 166.001 Genome-Wide SNP and Environment Interaction Study in Autism. C. Ladd-Acosta[*1], B. K. Lee[2], J. Bonner[3], B. Sheppard[1], N. B. Gidaya[2], A. M. Reynolds[4], L. A. Croen[5], D. E. Schendel[6], C. J. Newschaffer[2] and M. D. Fallin[1], (1)Johns Hopkins School of Public Health, Baltimore, MD, (2)Drexel University School of Public Health, Philadelphia, PA, (3)Michigan State University, E. Lansing, MI, (4)University of Colorado Denver, Aurora, CO, (5)Kaiser Permanente Division of Research, Oakland, CA, (6)National Center on Birth Defects and Developmental Disabilities, Centers for Disease Control and Prevention, Atlanta, GA

1:45 166.002 Clinical Application of 2.7M SNP Array for CNV Detection in Subjects with Idiopathic Autism and/or Intellectual Disability. Y. Qiao[*1,2], C. Tyson[3], M. A. Hrynchak[3], E. Lopez-Rangel[1], J. Hildebrand[1], S. Martell[2], C. Fawcett[3], L. Kasmara[1], K. Calli[2,4], X. Liu[5], J. J. A. Holden[6], E. Rajcan-Separovic[2] and S. M. E. Lewis[1], (1)Medical Genetics, University of British Columbia, Vancouver, BC, Canada, (2)Pathology, University of British Columbia, Vancouver, BC, Canada, (3)Royal Columbian Hospital, New Westminster, BC, Canada, (4)Medical Genetics, University of Bristish Columbia, Vancouver, BC, Canada, (5)Psychiatry, Queen's University, Kingston, ON, Canada, (6)Psychiatry & Physiology, Queen's University, Kingston, ON, Canada

2:00 166.003 Genomic Landscape of Autism Spectrum Disorders. S. R. Wadhawan[*1], X. Ji[1], K. J. Won[1], C. F. Lin[2], L. S. Wang[2] and M. Bucan[1,2], (1)Genetics, University of Pennsylvania, Philadelphia, PA, (2)Penn Center for Bioinformatics, University of Pennsylvania, Philadelphia, PA

2:15 166.004 First Genome Wide Association Study (GWAS) for Maternally Acting Gene Alleles Identifies New Candidate Genes in Autism. W. G. Johnson[*1], E. S. Stenroos[1] and S. Buyske[2], (1)Neurology, UMDNJ-RWJMS, Piscataway, NJ, (2)Department of Statistics, Rutgers University, Piscataway, NJ

2:30 166.005 Follow-up Linkage and Association Analyses of a Nonverbal Motor Speech Phenotype Identified in the AGRE Data Set. A. Hare[*1], M. Azaro[1], R. Zimmerman[1], J. Flax[1], J. Burian[2], V. Vieland[2] and L. Brzustowicz[1], (1)Department of Genetics, Rutgers University, Piscataway, NJ, (2)Battelle Center for Mathematical Medicine, The Research Institute at Nationwide Children's Hospital & The Ohio State University, Columbus, OH

2:45 166.006 A Longitudinal Twin Study of the Causal Relationship Between Autistic Traits and Traits Characteristic of ADHD From Middle Childhood to Early Adolescence. M. J. Taylor[*1], T. Charman[2] and A. Ronald[3], (1)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (2)Centre for Research in Autism and Education, Institute of Education, London, United Kingdom, (3)Birkbeck College, London, United Kingdom

3:00 166.007 Heritability of Proposed DSM-5 Autism Symptom Domains in a Large, Clinically-Ascertained Sample. T. W. Frazier[*1], L. Thompson[2], P. A. Law[3], E. A. Youngstrom[4] and N. Morris[5], (1)Cleveland Clinic, Cleveland, OH, (2)Psychology, Case Western Reserve University, Cleveland, OH, (3)Medical Informatics, Kennedy Krieger Institute, Baltimore, MD, (4)Psychology, University of North Carolina, Chapel Hill, NC, (5)Case Western Reserve University, Cleveland, OH

3:15 166.008 Characterization of the Function and Regulation of the Autism Susceptibility Candidate 2 (AUTS2) Gene. N. Oksenberg[*1], N. Ahituv[1] and L. A. Weiss[2], (1)Bioengineering and Therapeutic Sciences, UCSF, San Francisco, CA, (2)UCSF Department of Psychiatry, Institute for Human Genetics, San Francisco, CA

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

B

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

D

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

E

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

H

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

L

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

M

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

O

ABSTRACT AUTHOR INDEX

P

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

Q

R

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

S

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

T

ABSTRACT AUTHOR INDEX

Author Name	Email Address	Abstract
Talley, M. Kennedy Krieger Institute	talleymi@kennedykrieger.org	140.115, 142.205
Tam, S. Dana-Farber Cancer Institute, Harvard Medical School	laocoon@gmail.com	109.166, 126.006
Tamanaha, A. C.	anacarina.otor@unifesp.epm.br	138.003
Tan, M. University of Alberta	maria.tan@ualberta.ca	133.177
Tancredi, D. J. UC Davis School of Medicine and Center for Healthcare Policy and Research	djtancredi@ucdavis.edu	118.081
Tanel, N. Holland Bloorview Kids Rehabilitation Hospital	ntanel@hollandbloorview.ca	158.065
Tang, C. University of Hong Kong	cmgfung@hku.hk	107.093
Tang, K. University of Notre Dame	ktang@nd.edu	133.210
Tang, M. Tsan Yuk Hospital	tanghym@ha.org.hk	109.144
Tapper, J. Bustamante Hospital for Children	judymtapper@yahoo.com	156.014, 157.056
Tartarisco, G. Institute of Clinical Physiology, National Council of Research	gennaro.tartarisco@ifc.cnr.it	129.004
Tassone, F. University of California Davis School of Medicine, University of California, Davis, MIND Institute	ftassone@ucdavis.edu	108.126
Tavassoli, T. Autism Research Centre, University of Cambridge	tt303@cam.ac.uk	109.147
Taylor, A. R. University of Western Ontario	rtaylo46@uwo.ca	105.020, 105.024, 105.025
Taylor, C. Vanderbilt University	courtney.taylor@vanderbilt.edu	131.062
Taylor, H. University of Texas - Heath	Heather.Taylor@uth.tmc.edu	133.187
Taylor, J. L. Vanderbilt Kennedy Center	julie.l.taylor@vanderbilt.edu	123.199, 140.082, 158.094
Taylor, J. M. Dartmouth College	taylorjm@email.chop.edu	106.027
Taylor, K. Cambridge University Hospitals NHS Foundation Trust	kevin.taylor@addenbrookes.nhs.uk	108.117
Taylor, L. University of Western Australia, Telethon Institute for Child Health Research	lauren.taylor@uwa.edu.au	142.186
Taylor, M. J. Hospital for Sick Children	margot.taylor@sickkids.ca	106.046, 107.074, 107.076, 107.091, 107.092, 107.100, 111.191
Taylor, M. Institute of Education	M.Taylor@ioe.ac.uk	166.006
Taylor, M. Penn State University - Harrisburg	mat5386@psu.edu	145.001, 145.002
Taylor, S. Rady Children's Hospital San Diego	stgutbuster@gmail.com	157.026
Tek, S. Kennedy Krieger Institute for Autism and Related Disorders	tek@kennedykrieger.org	119.095, 139.062, 141.153
Temple, B. University of Manitoba	bev_temple@umanitoba.ca	120.131
Tetenbaum, S. ASPIRE Center for Learning and Development	spulver@gmail.com	133.171
Teufel, K. Goethe University	karoline.teufel@kgu.de	117.048
the Autism Genome Project Consortium, The Centre for Applied Genomics, The Hospital for Sick Children	agp@gmail.com	143.001
The BASIS Team, &. British Autism Study of Infant Siblings	basis@bbk.ac.uk	117.016
The BASIS Team, Birkbeck College University of London	basis@bbk.ac.uk	139.052
Thomas, B. Northwestern University	bthoma01@saintmarys.edu	133.209, 138.002
Thomas, C. NIMH, National Institutes of Health	cibu.thomas@nih.gov	127.004
Thomas, E. Rutgers University- Douglass Developmental Disabilities Center	edt0626@hotmail.com	133.201
Thomas, K. University of North Carolina	kathleen_thomas@unc.edu	121.150
Thomas, K. University of Cape Town	Kevin.Thomas@uct.ac.za	132.113
Thomas, R. H. University of Western Ontario	rthoma2@uwo.ca	105.020, 105.021, 105.022, 105.024
Thomeer, M. L. Institute for Autism Research, Canisius College	thomeerm@canisius.edu	131.063
Thommen, E. University of Applied Sciences Western Switzerland	evelyne.thommen@eesp.ch	131.048, 132.105
Thompson, A. Offord Centre for Child Studies, McMaster University	athomps@mcmaster.ca	103.007, 122.180, 135.006, 136.001, 158.101, 161.177
Thompson, L. Case Western Reserve University	Lee.Thompson@case.edu	166.007
Thompson, M. Autism Ontario	marilyn@autismontario.com	123.212
Thompson, M. Boston University	mrt@bu.edu	117.030
Thompson, O. University of Washington	owenathompson@gmail.com	109.138
Thompson, P. Michigan State University	patrick.thompson@hc.msu.edu	103.001, 121.149
Thompson, P. M. University of California, Los Angeles	Paul.Thompson@loni.ucla.edu	107.082, 146.004
Thompson, W. University of California, San Diego	wes.stat@gmail.com	152.002
Thomson, L. Cambridge University Hospitals NHS Foundation Trust	lynn.thomson@addenbrookes.nhs.uk	108.117
Thomson, M. Autism Teaching Institute	mary@autismteachinginstitute.org.au	131.061
Thorpe, E. Children's Hospital Boston	Erin.Thorpe@childrens.harvard.edu	117.037
Thurm, A. National Institutes of Health	athurm@mail.nih.gov	107.088, 107.096, 112.212, 117.011, 159.132
Thys, M. Ghent University	Martine@autismevlaanderen.be	122.173
Tian, Y. UC Davis, MIND Institute	tianyf18@gmail.com	109.153
Tian, Y. University of California, Los Angeles	ytianidyll@ucla.edu	109.150
Tichenoff, L. J. University of Western	lticheno@uwo.ca	105.020, 105.021, 105.025
Tick, N. Yulius	n.tick@yulius.nl	131.054, 158.107
Tilley, M. Central Methodist University	mtilley@centralmethodist.edu	118.088, 118.087
Timler, G. Miami University	timlergr@muohio.edu	133.206
Tint, A. York University	amitint@yorku.ca	119.100
Tirrell, C. Prometheus Research, LLC	charles@prometheusresearch.com	129.001, 129.003
Tirrell, J. Child Study Center, Yale University	jonathan.tirrell@yale.edu	106.051

ABSTRACT AUTHOR INDEX

U

ABSTRACT AUTHOR INDEX

W

ABSTRACT AUTHOR INDEX

ABSTRACT AUTHOR INDEX

IMFAR Annual Meeting – International Meeting for Autism Research

The year 2012 marks the 11th 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 2012 Annual Meeting are available on the INSAR website. An archive of past meeting abstracts is also available online.

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 17 .....8:00 a.m. – 5:00 p.m.
Friday, May 18 .....8:00 a.m. – 5:00 p.m.
Saturday, May 19.....8:00 a.m. – 1:00 p.m.

Wireless Internet

Wireless internet is available for all meeting rooms from Wednesday, May 16 – Saturday, May 19. Please follow instructions below to access.

Tip: If your browser's home page is set to your company's intranet site (i.e., http://intranet.mycompany.com), click the "Stop" button and go to a normal website such as www.sheraton.com to be signed on. You will be able to access your intranet site once you have successfully connected.

- Connect to the SSID : SHERATON_MEETINGS
- Start your internet browser before using any other internet applications such as email, chat, or VPN software. You will be automatically redirected to the Sheraton Centre's portal site.
- Click the "Connect Now" link to go to the sign on page and enter the following username and password information:
- Username: IMF11
- Password: lovomy

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 Sheraton Centre Toronto in the Wentworth Room. Press Room hours are:

Wednesday, May 16.....Noon – 5:00 p.m.
Thursday, May 17 .....8:00 a.m. – 5:00 p.m.
Friday, May 18 .....8:00 a.m. – 5:00 p.m.
Saturday, May 19 .....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

Sheraton Centre Toronto
123 Queen Street West
Toronto, Ontario CANADA M5H 2M9
Phone: 416.361.1000
Fax: 416.947.4854

Early Departure Policy: Guest who check out of the hotel prior to their scheduled departure date will be charged a $50 Early Departure Fee.

Business Center
There is a Business Center within the Sheraton Centre Toronto and it is located on the Main Lobby Level of the hotel. It is open from 8:00 a.m. – 6:00 p.m., Monday – Friday.

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 Sheraton Centre Hotel is a 100% smoke-free facility.

Information for International Travelers
Consulates and Embassies: All international embassies from other countries to Canada are located in Ottawa Canada. There are a number of international embassy branch offices, called consulates, located in Toronto including the United State Consulate. If you country does not have a consulate in Toronto, call directory information for Ottawa (613.555.1212) for the number of your national embassy. The phone number for the U.S. Consulate in Toronto is 416.595.1700.

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 Sheraton Centre Toronto. 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 Sheraton Centre Hotel security team is on-site 24 hours/day. Security can be reached by dialing "0" from any guest or house phone, or by contacting 4500 - Executive Meeting Specialist

The security team is certified in First-Aid, CPR, and AED Defibrillator. We have defibrillators on the premises. In case of a fire alarm, announcements will be made over the public address system. Please listen carefully to these announcements.

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!

www.autism-insar.org

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 Educational Symposia proposals for IMFAR
- Free audio and/or video 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

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
374 Congress Street
Boston, MA 02210
Email: americas@aldebaran-robotics.com
www.aldebaran-robotics.com

Aldebaran Robotics was founded in 2005 in Paris to develop and market humanoid home robot companions. NAO robot has become internationally recognized robotics platform used in education and research. More than 480 prestigious universities, labs and high schools worldwide are working daily with NAO. Aldebaran Robotics is conducting research in areas such as autistic child therapy, human-robot interaction and personal robotics.

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.

Autism Science Foundation
Jonathan Carter
Operations Manager
419 Lafayette Street
New York, NY 10003
Phone: (646) 723-3978
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: dmarnane@autismspeaks.org
www.autismspeaks.org

Autism Speaks, (www.autismspeaks.org), founded in 2005 by Suzanne and Bob Wright, is the world's leading autism science and advocacy organization, dedicated to funding research into the causes, prevention and treatments, and a cure for autism; increasing awareness of autism spectrum disorders; and advocating for the needs of individuals with autism and their families.

BioHug Technologies
Andrew Schiffmiller, CEO
P.O. Box 25321
Haifa 31250, Israel
Phone: 972-54-628-1827
Email: andrews@biohug.com
http://biohug.com

The ***BioHug Vest***™ is an innovative stress relief device. It applies deep, hug-like, pressure for effective, portable, and non-restraining calming. Deep pressure is often craved by people with such conditions as autism, Attention Deficit Hyperactivity Disorder and anxiety. The ***BioHug Vest***™ offers significant benefits over existing deep pressure devices.

Electrical Geodesics, Inc.
Diana Aguilar
1600 Millrace Dr, Suite 307
Eugene, OR 97403
Phone: (541) 687-7962
Email: daguilar@egi.com
www.egi.com

Electrical Geodesics Inc. manufactures EEG systems that minimize the discomfort and stress associated with EEG sessions. Visit our booth to appreciate how well 'the Net' performs versus cap- and glue-based systems. You'll understand why our systems are the first choice for ASD and child development researchers worldwide.

Forest Research Institute, Inc.
Maria Marquez
Global Recruitment Manager
Harborside Financial Center, Plaza 5
Jersey City, NJ 07311
Phone: (201) 427-8430
Email: maria.marquez@frx.com
www.FRX.com

Forest Laboratories' (NYSE: FRX) longstanding global partnerships and track record developing and marketing pharmaceutical products in the United States have yielded its well-established central nervous system and cardiovascular franchises and innovations in anti-infective and respiratory medicine. The Company's pipeline, the most robust in its history, includes product candidates in all stages of development across a wide range of therapeutic areas. The Company is headquartered in New York, NY.

ilumivu
Kat@ilumivu.com
1-800-848-7147
www.ilumivu.com

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

LENA Pro Systems
5525 Central Avenue
Suite 100
Boulder, CO 80301-2820
www.lenafoundation.org

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

Lineagen, Inc.
423 Wakara Way
Suite 200
Salt Lake City, UT 84108
Phone: (801) 931-6200
Fax: (801) 931-6201
(888) 888-6736 (OPEN)
www.lineagen.com

Lineagen's mission is to accelerate and enhance the diagnostic evaluation of ASD. FirstStepDx provides physicians with a fully integrated genetic testing, counseling, reporting, and developmental screening service to aid in the diagnostic evaluation of children with ASD.

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

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

National Database for Autism Research
Dan Hall
6701 Democracy Blvd, Suite 300
Bethesda, MD 20817
Phone: (301) 467-0823
Email: ndarhelp@mail.nih.gov
www.NDAR.NIH.gov

The National Database for Autism Research (NDAR) is a research data repository promoting scientific data sharing and collaboration. Established by the NIH, NDAR's goal is to help accelerate scientific discovery through data sharing, harmonization, and reporting of results. Today, data from over 25,000 research subjects are freely available to qualified investigators.

National Institutes of Health
6001 Executive Blvd, Room 8184, MSC 9663
Phone: (866) 615-6464
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.

NeuroDevNet
Bethany Becker
Communications Manager
950 West 28th Avenue
Vancouver, BC
V5Z 4H4
Canada
Phone: (604) 875-2424 x 5591
Email: bbecker@neurodevnet.ca
www.neurodevnet.ca

NeuroDevNet is a Canadian Network of Centres of Excellence dedicated to helping children with neurodevelopmental disorders. We focus on Autism Spectrum Disorder, Fetal Alcohol Spectrum Disorder, and Cerebral Palsy, with the aim of accelerating understanding of children's brain disorders and transferring this knowledge to health care professionals, policy makers, and communities of interest.

NICHD Brain and Tissue Bank for Developmental Disorders
Dr. Ron Zielke
655 W Baltimore St 13-013 BRB
Baltimore, MD 21201
Phone: (410) 706-6911
Email: btbumab@umaryland.edu
www.Btbank.org

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

Noldus Information Technology
Paige Roderick
1503 Edwards Ferry Rd. Ste 201
Leesburg, VA 20176
Phone: (800) 355-9541
Email: info@noldus.com
www.noldus.com

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

Office of Autism Research Coordination
Office of Autism Research Coordination
National Institute of Mental Health
National Institutes of Health
6001 Executive Boulevard, NSC 8185a
Rockville, MD 20852
laccpublicinquiries@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.

Oxford University Press
198 Madison Avenue
New York, NY 20016
Phone: (800) 451-7556
Email Address: custserv.us@oup.com
www.oup.com/us

Visit the Oxford booth for Autism Spectrum Disorders edited by David Amaral, Daniel Geschwind and Geraldine Dawson and for special offers on our latest books including Mary Coleman and Christopher Gillberg's *The Autisms,* James K. Luiselli's *Teaching and Behavior Support for Children and Adults with Autism Spectrum Disorder,* Martin J. Lubetsky, Benjamin L. Handen, and John J. McGonigle's *Autism Spectrum Disorder,* and many others.

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

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

Sigma Advanced Genetic Engineering (SAGE) Labs
Kevin Gamber
3050 Spruce Street
St. Louis, MO 63103
Phone: (314) 301-2093
Email: kevin.gamber@sial.com
www.sageresearchmodels.com

SAGE Labs (Sigma Advanced Genetic Engineering) is your source for unique knockout rat models for neuroscience research. Stop by our booth for the latest information on our new and upcoming lines for the study of the autism spectrum disorders, including knockouts of Fmr1, Nlgn3, Nrxn1, mGluR5, PTEN, MeCP2, and Cav1.2.

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

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

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

SMI is a world leader in dedicated computer vision applications, developing and marketing eye and gaze tracking systems and OEM solutions for a wide range of applications such as psychology, neurology, market and consumer research, usability, ergonomics and HCI.

Visit our booth to try the eye tracking solutions yourself or find more information at www.smivision.com.

Western Psychological Services
625 Alaska Avenue
Torrance, CA 90503-5124
Phone: (424) 201-8800 ext. 8864;
(800) 648-8857
Fax: (424) 201-6950
Email: jdono@wpspublish.com
www.wpspublish.com
www.CreativeTherapyStore.com

Whether you're looking for a brief screener or a comprehensive assessment, WPS has the tests you need to accurately identify, diagnose, and treat autism spectrum disorders. Pre-order the new ADOS-2 — arriving summer 2012. Receive 10% off and free shipping on the ADOS-2 and all WPS and Creative Therapy Store products.

Wiley-Blackwell
Colette Bean
111 River Street
Hoboken, NJ 07030
Phone (201) 748-8893
Email: cbean@wiley.com
www.Wiley.com

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

Autism Research

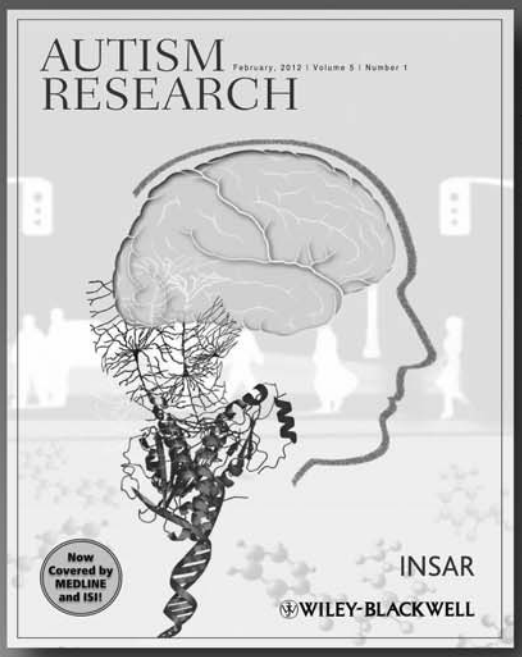
A journal with a developmental approach to the biology and psychology of autism.

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**



Indexed by MEDLINE, PsychINFO and ISI

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 miss our upcoming Special Issue on

Global Perspectives on Autism

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

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**

INSAR 2012 Sponsors

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

Platinum Sponsor Level

AUTISM SPEAKS™
It's time to listen.
www.AutismSpeaks.org

SFARI SIMONS FOUNDATION AUTISM RESEARCH INITIATIVE

Gold Sponsor Level

AUTISM SCIENCE FOUNDATION

AUTISM RESEARCH INSTITUTE
Autism is Treatable

Silver Sponsor Level

Hilibrand Foundation
Nancy Lurie Marks Family Foundation

Bronze Sponsor Level

Canadian Institutes of Health Research (CIHR)
IntegraGen, Inc.
NeuroDevNet
Pfizer Inc.
Prometheus Research
Sinneave Family Foundation

SAVE THE DATE!

2013 IMFAR Annual Meeting

May 2-4

Kursaal Centre

San Sebastian, Spain

Note: Abstract submission will be much earlier for this meeting. Watch our website for details.

www.autism-insar.org

International Society for Autism Research