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IMFAR 2017

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AT IMFAR 2017

Please use this brochure as a roadmap to explore the posters, oral presentations, special interest groups and other events that feature Autism Speaks investigators, fellows and research partners at this year’s IMFAR. The abstracts represent a diverse portfolio of collaborative programs. We hope you’ll visit, engage and celebrate this ground-breaking work.
WEDNESDAY, MAY 10, 2017
8:00 AM - 5:00 PM
IMFAR Pre-Conference: Measuring Meaningful Outcomes from School-Age to Adulthood

Keynote Speaker: Laura Klinger
Adult Quality of Life: Employment, Independent Living, and Community Integration

THURSDAY, MAY 11, 2017
9:00 AM – 10:00 AM
Keynote Address: Pat Levitt
Biological Origins of Autism Heterogeneity

12:00 PM - 1:40 PM
POSTER SESSIONS

Genetics
Exploring Heterogeneity in the ASD Blood Transcriptome: Machine-Learning Classification Accuracy Is Improved by Modeling Subgroups. Daniel Tylee

Interventions - Non-pharmacologic - Preschool
Teacher Perceptions and the Implementation of Jasper for Students with ASD, Jonathan Panganiban, Connie Kasari
Using Engaging Social Interactions within a Pivotal Response Treatment Framework to Improve Adaptive Communication Skills and Autism Symptom Severity in Toddlers with ASD: Evidence from a Randomized Controlled Trial, Robert Koegel
Social Responsiveness Gains and Predictors of Outcome Associated with Social Pivotal Response Treatment for Toddlers with ASD: Results of an Ongoing RCT, Robert Koegel

Real-World Conversational Turn-Taking: An Exploratory Study of Preschoolers with ASD, Teachers, and Peers, David Mandell
Impact of Challenging Behavior, Inhibition, and Emotion Regulation Skills on Developmental Outcomes in Preschoolers with Autism, David Mandell

Preschool Early Intervention Outcomes in Different Community Based Settings, David Mandell
Child and Parental Factors Associated with Preschool Placement in an Urban Early Intervention Setting, David Mandell

Neural Predictors and Neural Pathway of Response to Pivotal Response Treatment in Young Children with Autism, Daniel Yang

Interventions with Young Children and Parents
Randomised Trial of a Prodromal Intervention for Infants at High Risk for Autism: Longitudinal Outcomes to Age Three Years, Jonathan Green

1:45 PM - 3:30 PM
ORAL SESSIONS

3B: Important Factors in Early Interventions: Predictors, Sustainability and Follow up
Sustaining Quality Implementation of Targeted Social Communication Interventions in Authentic Community Settings: Paraprofessional Implemented Jasper with Toddlers, Stephanie Shire, Connie Kasari

4A: Prevalence, Trajectories and Treatment of Medical and Psychiatric Comorbidity
Medical Conditions in the First Years of Life Associated with Future Diagnosis of ASD in Children, Lisa Croen

5:30 PM - 7:00 PM
POSTER SESSIONS

Adult Outcome:
Participation in Recreational Activities Buffers the Impact of Perceived Stress on Quality of Life in Adults with Autism Spectrum Disorder. Lauren Bishop-Fitzpatrick, Marsha Mailick

Examining Environmental Predictors of Social Participation and Service Use for Adults with ASD Using Geographic Information Systems (GIS), Dara Chan, Laura Klinger

Examining Daily Living Skills in Adults with Autism Spectrum Disorder, Nancy Bagatell, Laura Klinger

Executive Function and Its Relation to Outcomes in Middle Adulthood, Katerina Dudley, Laura Klinger

Convergence of Self-Report and Informant Measures of Executive Functions for Adults with ASD, Rachel Sandercock, Laura Klinger

Medical and Psychiatric Comorbidity:
Characteristics of Children with ASD who Improve with Fever: Insights from the Simons Simplex Collection, Rebecca Grzadzinski

Predicting Parent-Reported Sleep Problems Using Longitudinal Data and Machine Learning Methods in the Autism Speaks-Autism Treatment Network Registry, Amy Shui*
Associations Between Dietary Composition and Gastrointestinal Symptoms in Autism Spectrum Disorder, Bradley Ferguson*

Implementing Reliable Screening of Co-Occurring Medical Conditions in Children with Autism Spectrum Disorders across the Autism Treatment Network, Donna Murray, Kristin Sohl, Patricia Manning-Courtney and Daniel Coury*

Adaptive Behavioral Dysfunction Is Associated with Increased Risk for ASD Symptoms in Toddlers with Tuberous Sclerosis Complex, Donna Murray

Service Delivery/Systems of Care

Mixed Method Feedback on the Integration of Parent Engagement Strategies into an Evidence-based Parent Coaching Intervention for Young Children at Risk for ASD, Rachel Haine Schlagel, Aubyn Stahmer

Associations Between Family Navigation As a Care Coordination Strategy and the Receipt of Intervention Services for Families of Children with ASD within the Autism Speaks Autism Treatment Network, Morgan Crossman*

Multimodal Study Using Geospatial Mapping and Survey Analysis to Determine Disparities in Access to Care for Children with ASD, Catherine Shoff*

FRIDAY, MAY 12, 2017
9:00 AM - 10:00 AM

Keynote Address: Connie Kasari
Engaging Autism: Interventions for Improving Social Communication Outcomes

10:30 AM - 12:30 PM

Panel Sessions

Variability at the Minimally Verbal End of the Spectrum: Evidence from Biology and Behavior
ERP Evidence of Semantic Processing in Children with ASD, Charlotte DiStefano

Diagnostic, Behavioral & Intellectual Assessment

Broader Autism Phenotype in the Mother Is Associated with Discordance in the Social Communication Questionnaire Compared to Best Clinician Estimate, Eric Rubenstein

Broader Autism Phenotype in Parents of Children with ASD: A Systematic Review of Studies Reporting the Association Between Parent and Child Phenotype, Eric Rubenstein

Executive Function in Preschoolers with ASD: Evaluation of a Test Battery with Minimal Verbal Demands, David Mandell

The Prevalence of Autism Spectrum Disorder in School Aged Children: Population Based Screening and Direct Assessment, Laura Carpenter

Cluster Analysis of Daily Living Skills in School-Aged Children with ASD, Amie Duncan*

Role of the AOSI in Predicting Autism Spectrum Disorder in Tuberous Sclerosis Complex, Donna Murray

The Minimal Clinically Important Difference (MCID) on the Vineland-II: Analysis of Data from 3,400 Individuals with ASD, Angie Fedele

Examining Agreement in Parent and Teacher Report on Social Skills, Internalizing Behaviors and Externalizing Behaviors in School-Aged Children at-Risk for Autism Spectrum Disorder, Laura Carpenter

Epidemiology

The ATN Longitudinal Study: Changes in Behavior, Sleep and Quality of Life over Time, Daniel Coury*

The Prevalence of Autism Spectrum Disorder in School Aged Children: Population Based Screening and Direct Assessment, Laura Carpenter

ATN Longitudinal Study: 3-Year Follow-up of 575 Youth with ASD, Donna Murray*

Family Issues and Stakeholder Experiences I

Partnering to Adapt Evidence-Based Intervention for Delivery with Ethnic Minority Families, Sarah Rieth, Aubyn Stahmer

A Community-Partnered Intervention in South Los Angeles for Young Children At-Risk for ASD, Amanda Gulsrud, Connie Kasari

*This Network activity was supported by Autism Speaks and cooperative agreement UA3 MC11054 through the U.S. Department of Health and Human Services, Health Resources and Services Administration, Maternal and Child Health Research Program to the Massachusetts General Hospital. This work was conducted through the Autism Speaks Autism Treatment Network.
3:30 PM - 5:00 PM

**PANEL SESSIONS**

*Developing Clinically Practicable Biomarkers for Autism Spectrum Disorder*

Wearable Sensor-Based Physiological and Physical Activity Biomarkers for Use in Laboratory and Naturalistic Environments to Assess Arousal and Repetitive Motor Movements in Individuals with Autism Spectrum Disorder, Matthew Goodwin

5:00 PM - 6:30 PM

**POSTER SESSIONS**

*Sensory, Motor and Repetitive Behaviors and Interests*

Unusual Auditory Filtering Behaviors in Minimally Verbal ASD: A Mechanism for Regulating Auditory Input? Sophie Schwartz, Helen Tager-Flusberg

Nonsocial Attentional Bias in Adolescents with ASD Is Not Influenced By the Inversion Effect, Kathryn Unruh

Restricted Repetitive Behaviors and Interests and the Female Autism Phenotype: An Autism Speaks Autism Treatment Network (AS-ATN) Study, John Knutsen*

*Social Cognition and Social Behavior II*

Exploring Self-Conscious Emotion Processing in Adolescents with High Functioning Autism, Kathryn Jankowski

*SATURDAY, MAY 13, 2017*

8:45 AM

**SPONSOR UPDATE, Tom Frazier, Chief Science Officer, Autism Speaks**

10:30 AM - 12:00 PM

**PANEL SESSIONS**

*The Continuum of ASD Across the Lifespan: Stability and Change in Symptoms, Cognitive Skills and Adaptive Functioning Based on Four Independent Cohorts*


Developmental Trajectories from Mid-childhood to Early Adulthood in a Population Sample, Tony Charman, Emily Simonoff

12:00 PM - 1:40 PM

**POSTER SESSIONS**

*Early Development (< 48 months)*

Re-Examining Measures of Risk in the Study of Autism Spectrum Disorder in Infancy,* Rebecca Burger-Caplan

*International and Cross-Cultural Perspectives*

Caregivers Needs of Persons with Autism Spectrum Disorders in Latin America: Results from Chile, Alexia Rattazzi

*Interventions - Non-pharmacologic - School-Age, Adolescent, Adult*

Teaching Adults with Autism Spectrum Disorder Responses to Non-Verbal Pragmatic Behavior, Robert Koegel

The Use of Recommended Practices for Children with ASD in Urban Preschools, David Mandell

1:15 PM - 3:00 PM

**ORAL SESSIONS**

15A: Mental and Physical Health in Adulthood

Health Outcomes of Adults with ASD, Walker McKinney, Laura Klinger

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About Autism Speaks

Autism Speaks is dedicated to promoting solutions, across the spectrum and throughout the life span, for the needs of individuals with autism and their families. We do this through advocacy and support; increasing understanding and acceptance of autism spectrum disorder; and advancing research into causes and better interventions for autism spectrum disorder and related conditions.

To learn more about Autism Speaks, please visit AutismSpeaks.org.
These projects, presentations and events are examples of the breadth of research collaborations, initiatives and studies that Autism Speaks supports and may not reflect direct funding. It is not a comprehensive or exhaustive list of Autism Speaks funded research. We apologize if a project was inadvertently missed.