49th Annual
Gatlinburg Conference
On Research and Theory in Intellectual and Developmental Disabilities

March 9-11, 2016
Catamaran Resort Hotel and Spa
San Diego, California

Prenatal Development and Risk for Developmental Disabilities
We extend our gratitude to the following sponsors for their financial contributions and generous support of the 2016 Gatlinburg Conference:

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Waisman Center, University of Wisconsin-Madison

CONFERENCE SUPPORT

This conference is supported by grant number R13HD084155 from the Eunice Kennedy Shriver National Institute of Child Health and Human Development and the National Institute of Neurological Disorders and Stroke
# 49th Annual Gatlinburg Conference

The Gatlinburg Conference continues its tradition as one of the premier conferences in the United States for behavioral scientists conducting research in intellectual and related developmental disabilities.

## Executive Committee

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<td>Frank Floyd, Ph.D.</td>
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<td>Sandra M. Magaña, Ph.D.</td>
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<td>Don Bailey, Ph.D.</td>
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<td>Vittorio Gallo, Ph.D.</td>
<td>Children's National Health System</td>
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<td>Marsha R. Mailick, Ph.D.</td>
<td>University of Wisconsin-Madison</td>
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<td>Richard Serna, Ph.D.</td>
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<td>Brian Boyd, Ph.D.</td>
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<td>Susan L. Hepburn, Ph.D.</td>
<td>University of Colorado at Denver</td>
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<td>Wayne Silverman, Ph.D.</td>
<td>Kennedy Krieger Institute and Johns Hopkins University School of Medicine</td>
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<td>Shafali S. Jeste, M.D.</td>
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<td>Frank J. Symons, Ph.D.</td>
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## Theme Committee

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## Conference Management

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<tr>
<td>Rebecca L. Shilts, Conference Manager</td>
<td>University of California Davis, MIND Institute</td>
</tr>
<tr>
<td>Cell: 916-753-8659 • Work: 916-703-0263</td>
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<tr>
<td>Brenda L. Shelton, Conference Co-Manager</td>
<td>University of California Davis, MIND Institute</td>
</tr>
<tr>
<td>Cell: 916-296-4346 • Work: 916-703-0343</td>
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Visit our website to view symposium and poster abstracts in their entirety at: mindinstitute/gatlinburg/program-schedule.html
Invited Speakers

Irva Hertz-Picciotto, Ph.D., M.P.H.
University of California, Davis

“Prenatal Susceptibility to Environmental Insults: ASD, ID, and Behavior Problems”
Wednesday, March 9th • 8:15–9:30 a.m. • Aviary Ballroom

Exposures during prenatal life to both mercury and PCBs made headlines in the 1970s for their ability to induce long-lived cognitive and behavioral deficits. Those disastrous effects at high-level exposures or poisonings set the stage for identifying subtler perturbations in nervous system functioning at lower concentrations. In the last twenty years, evidence has been emerging on an array of chemicals in household products – pesticides, plasticizers, anti-microbials, flame retardants and more – that may be altering brain function, leading to cognitive and social deficits and/or behavioral deviations. What are these chemicals? Weren’t they tested before being allowed on the market? What does the scientific evidence suggest with regard to risks they might pose for brain development? How are we, and especially pregnant women and children, being exposed? Are some subgroups at higher or lower risk, due to genetics or other factors, than others for environmentally-influenced effects on neurodevelopment? What do parents, clinicians and educators need to know?

Irene Zohn, Ph.D.
George Washington University, Children’s National Medical Center

“Prevention of Neural Tube Defects by Periconceptional Supplementation – Beyond Folic Acid”
Wednesday, March 9th • 4:45–6:00 p.m. • Aviary Ballroom

Neural tube defects and other structural birth defects are caused by complex interactions of environmental factors with genetic predisposition. Many but not all of these birth defects are prevented by periconception folic acid supplementation. Thus additional strategies are needed. This presentation will review findings and present new data on the contribution of other micronutrient deficiencies to neural tube defects including iron and Vitamin A. Furthermore, models will be presented illustrating how deficiency of these micronutrients might interact with genetic factors to cause structural birth defects.
Invited Speakers

Christopher Coe, Ph.D.
*University of Wisconsin-Madison*

“Prenatal Origins of Resilience and Vulnerability”
Thursday, March 10th • 8:00–9:15 a.m. • Aviary Ballroom

We have come to appreciate that fetal sensitivity and responsiveness to maternal wellbeing, and even to aspects of the external environment, are essential for normal development. Both the maturing brain and immune system can already be viewed as learning systems. However, one consequence of this reactivity and malleability is that adversity and challenges can derail the developmental trajectory toward health and resilience. This presentation will review findings on the effects of maternal infection, stress and poor nutrition, as well as more recent concerns about the impact of excessive gestational weight gain. Although the placenta has an important buffering role, it is also the conduit of information about the mother and external conditions, portending of the postnatal world to come.

John Colombo, Ph.D.
*University of Kansas, Life Span Institute*

“Early Nutritional Interventions and Biobehavioral Outcomes in Development”
Friday, March 11th • 11:30–12:45 p.m. • Aviary Ballroom

Interventions for producing meaningful improvements in developmental outcomes are in somewhat short supply. For the last 20 years, our research team has been involved in long-term clinical trials to determine the efficacy of prenatal and postnatal nutritional manipulations on pregnancy outcomes and neurodevelopment in infancy and early childhood. I’ll present the results of several trials showing the longitudinal effects of such manipulations, most of which involve long-chain polyunsaturated fatty acids, especially omega-3 fatty acids. These findings will also illuminate a number of additional issues (e.g., choosing developmental outcomes for in longitudinal designs, the complexity of gene-intervention interactions, and the pitfalls of setting policy based on meta-analyses).
WEDNESDAY

MARCH 9, 2016

7:30 a.m. – Check-in/Registration
Aviary Foyer

8:00–8:15 a.m.
OPENING REMARKS
Aviary Ballroom
Leonard Abbeduto, Ph.D., Conference Chair
University of California Davis, MIND Institute

8:15–9:30 a.m.
PLENARY SESSION 1
Aviary Ballroom
Prenatal Susceptibility to Environmental Insults: ASD, ID, and Behavior Problems
Irva Hertz-Picciotto, Ph.D., M.P.H.
University of California, Davis

9:30–10:00 a.m. — BREAK

10:00–11:30 a.m.
SYMPOSIUM 1
Toucan Room
Experiences, Health Outcomes, and Health Care Utilization of Children of Mothers with Intellectual and Developmental Disabilities
Chair: Monika Mitra
Brandeis University
Population-Based Study of Hospital Utilization and Costs of Infants of Women with Intellectual and Developmental Disabilities
Monika Mitra, Susan Parish, Jianying Zhang, Karen Clements
Medical Conditions among Massachusetts Infants Born to Women with Intellectual and Developmental Disabilities
Karen Clements, Monika Mitra, Jianying Zhang, Susan Parish
Fetal Outcomes among U.S. Women with Intellectual and Developmental Disabilities
Susan Parish, Monika Mitra, Ilhom Akobirshoev, Leah Igdalsky
How Children of Parents with Disabilities Fare in the Child Welfare System
Elizabeth Lightfoot, Sharyn DeZelar

10:00–11:30 a.m.
SYMPOSIUM 2
Macaw Room
The Delivery of Evidence-Based Social Skills for Youth and Young Adults with Autism Spectrum Disorders: Theory, Research and Practice
Chair: Elizabeth Laugeson
University of California, Los Angeles
Discussant: Jan Blacher
University of California, Riverside
Selecting Informants to Assess Social Functioning and Treatment Outcome for Adolescents with Social Challenges
Elina Veytsman, Crystal Ferrendelli, Shannon Bates, Elizabeth Laugeson
Examining Delivery Models for Evidence-Based Social Skills Intervention for Adolescents with Autism
Courtney Bolton, Elizabeth Laugeson
Investigating the Relation between Friendship Quality and Social Engagement Following a School-Based Social Skills Intervention
James Yang, Lara Tucci, Yasamine Bolourian, Elizabeth Laugeson
Examining PEERS for Young Adults: Improvements in Social Motivation and Relations to Neural Activity
Bridget Dolan, Alexander Barrington, Dylan Snyder, Alana McVey, Amy Van Hecke

10:00–11:30 a.m.
SYMPOSIUM 3
Cockatoo Room
Health Behaviors and Outcomes in females with an FMR1 Mutation
Chair: Anne Wheeler
RTI International
University of North Carolina at Chapel Hill
Co-Chair: Melissa Raspa
RTI International
Decision-Making and Health Behaviors in Girls and Women with Fragile X Syndrome
Kylee Miller, Anne Wheeler, Melissa Raspa
Prenatal, Birth, and Postnatal Experiences of Women with an FMR1 Mutation
Anne Wheeler, Melissa Raspa, Amanda Wiley

Reproductive Health Behaviors of Females with Fragile X Syndrome
Melissa Raspa, Anne Wheeler, Amanda Wiley

11:30–1:00 p.m. — LUNCH

1:00–2:30 p.m.

SYMPOSIUM 4
Toucan Room
Transactions During the Prelinguistic Period in Children Diagnosed with, or at High Risk for, Autism Spectrum Disorder
Chair: Tiffany Woynaroski
Vanderbilt University
Discussant: Jana Iverson
University of Pittsburgh

Empirical Support for a Transactional Model of Spoken Language Learning in Preschoolers with Autism Spectrum Disorder
Tiffany Woynaroski, Paul Yoder, Linda Watson

Predictors of Growth in Diversity of Consonants Used in Communication Acts in Initially Nonverbal Children with Autism Spectrum Disorder
Paul Yoder, Linda Watson, Tiffany Woynaroski

Does Child Vocal Contingency Predict Characteristics of Speech in Preschoolers with Autism Spectrum Disorder?
Amy Harbison, Paul Yoder

Mother-Infant Vocal Coordination and Language Development in Infants at Heightened Risk for Autism Spectrum Disorder
Jessie Northrup, Jana Iverson

1:00–2:30 p.m.

SYMPOSIUM 5
Macaw Room
Mild Cognitive Impairment and Dementia in Adults with Down Syndrome: Early Indicators of Clinical Progression
Chair: Sharon J. Krinsky-McHale
New York State Institute for Basic Research in Developmental Disabilities
Discussant: Elisabeth Dykens
Vanderbilt University

Early Indicators of Clinical Progression of Alzheimer’s Disease in Adults with Down Syndrome
Wayne Silverman, Sharon J. Krinsky-McHale, Warren B. Zigman

Gait Changes May Signal Mild Cognitive Impairment and Dementia in Adults with Down Syndrome

Using Informant-Based Measures to Identify Early Indicators of Clinical Progression of Alzheimer’s Disease in Adults with Down Syndrome
Warren B. Zigman, Edmund C. Jenkins, Joseph H. Lee, Nicole Schupf, Sharon J. Krinsky-McHale, Wayne Silverman

Snps in CUGBP2 Influence the Risk of Alzheimer’s Disease in Adults with Down Syndrome
Joseph H. Lee, Rong Cheng, Lam-ha Dang, Sharon J. Krinsky-McHale, Warren B. Zigman, Wayne Silverman, Benjamin Tycko, Lorraine Clark, Nicole Schupf

1:00–2:30 p.m.

SYMPOSIUM 6
Cockatoo Room
Parent Well-Being of Youth with Developmental Disabilities: Implications and Interventions
Chair: Elizabeth Halstead
University of Warwick
Discussant: Richard P. Hastings
University of Warwick

Longitudinal Look at Psychiatric Disorders and Family Impact in Adolescents with ASD: Implications for Intervention
Jan Blacher, Amanda Norona, Bruce L. Baker

Does Resilience Function as a Protective or Compensatory Factor for the Well-Being of Mothers of Children with Developmental Disabilities?
Elizabeth Halstead, Gemma M. Griffith, Richard P. Hastings

Parent Mental Health Following Participation in Cognitive Behavioural Therapy for Children with Autism Spectrum Disorder
Andrea Maughan, Priscilla Burnham Riosa, Carly Albaum, Victoria Ting, Jonathan Weiss

The ETAP Program, Effectiveness of a Therapeutic Education Intervention to Support Parents of Children with Autism: A Pilot Study in a French Context
Cyrielle Derguy, Katia M'bailara
**WEDNESDAY**

**MARCH 9, 2016**

- **2:45–4:15 p.m.**

**SYMPOSIUM 7**
**Toucan Room**
Age Related Psychological Phenotypes in Genetic Disorders  
Chair: Chris Oliver  
University of Birmingham

**Early Predictors of Adult Quality of Life for Individuals with Neurogenetic Syndromes**  
Jess Penhallow, Jo Moss, Henna Ahmed, Chris Oliver

**The Correlates of Self-Injurious Behaviour and Aggression in Lowe Syndrome: A Longitudinal Study**  
Jane Waite, Alicia Kutsch, Lucy Wilde, Kate Eden, Chris Stinton, Jo Moss, Chris Oliver

**The Cognitive Developmental Profile Associated with Fragile X Syndrome: A Longitudinal Investigation of Cognitive Strengths and Weaknesses through Childhood and Adolescence**  
Eve-Marie Quintin, Jo Booi, Scott S. Hall, Jennifer Bruno, Lynsey C. Chromic, Mira M. Raman, Amy A. Lightbody, Arianna Martin, Allan L. Reiss

**The Developmental Trajectory of Early Social Cognition Skills in Children with Fragile X Syndrome**  
Katherine Ellis, Chrisi Stefanidou, Laurie Powis, Ian Apperly, Jo Moss, Chris Oliver

- **2:45–4:15 p.m.**

**SYMPOSIUM 8**
**Macaw Room**
Parenting Children with ID or ASD: Behavioral, Mental Health, and Social Outcomes  
Chair: Bruce L. Baker  
University of California, Riverside  
Discussant: Keith Crnic  
Arizona State University

**Unsupportive Parenting and Parental Mental Health in Children with or without Intellectual Disability: The Effects on Internalizing Behavior Problems**  
Naomi Rodas, Sasha M. Zeedyk, Bruce L. Baker

**The Interactive Effects of Child Emotion Dysregulation and Cognitive Ability on Parent-Child Conflict across Early-To-Middle-Childhood**  
Willa A. Marquis, Amanda N. Norona, Bruce L. Baker

**Maternal Depressive Symptoms among Mothers of Children with or without ID: Investigating Longitudinal Stability and Transition**  
Sasha M. Zeedyk, George A. Marcoulides, Jan Blacher

**Parent Assisted Social Skills Treatment in Early Childhood: The UCLA PEERS® for Preschoolers Program**  
Elizabeth Laugeson, Mi Na Park, Yasamine Bolourian, Jennifer Sanderson

- **2:45–4:15 p.m.**

**SYMPOSIUM 9**
**Cockatoo Room**
Parent-Implemented Spoken Language Intervention for Boys with FXS: A Naturalistic Language Intervention Delivered by Distance Teleconferencing  
Chair: Andrea McDuffie  
University of California Davis, MIND Institute  
Discussant: Nancy Brady  
University of Kansas

**Parent-Implemented Spoken Language Intervention for Boys with FXS: Feasibility of Assessment via Distance Teleconferencing**  
Lauren Bullard, Amanda Kwiatkowski, Melissa Mello, Andrea McDuffie, Leonard Abbeduto

**Parent-Implemented Spoken Language Intervention for Boys with FXS: The Role of Positive Behavior Supports**  
Melissa Mello, Lauren Bullard, Amanda Kwiatkowski, Andrea McDuffie, Leonard Abbeduto

**Parent-Implemented Spoken Language Intervention for Boys with FXS: Effects on Maternal Strategy Use**  
Andrea McDuffie, Lauren Bullard, Amanda Kwiatkowski, Melissa Mello, Leonard Abbeduto

**Parent Implemented Spoken Language Intervention for Boys with FXS: Effects on Child Spoken Language**  
Amanda Kwiatkowski, Lauren Bullard, Melissa Mello, Andrea McDuffie, Leonard Abbeduto

- **4:15–4:45 p.m. — BREAK**
**WEDNESDAY**

**MARCH 9, 2016**

**PLENARY SESSION 2**

**Aviary Ballroom**

Prevention of Neural Tube Defects by Periconceptional Supplementation – Beyond Folic Acid

Irene Zohn, Ph.D.
Children's National Medical Center

**POSTER SESSION RECEPTION 1**

**Kon Tiki Ballroom**

*This is a mandatory session for all travel award recipients.*

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Laurentian University | "One Or Three, Depends On The Patient": Health Care Professionals' Recommendations Regarding Alcohol Consumption during Pregnancy |
| 2        | **Marisa H. Fisher**  
Michigan State University | How do Adults with Williams Syndrome Perceive Their Own Levels of Social Vulnerability? |
| 3        | **Elizabeth Will**  
Colorado State University | The Impact of Challenging Behavior on School Function in Children with Down Syndrome |
| 4        | **Meghan Burke**  
University of Illinois | The Effectiveness of an Advocacy Program for Latino Families of Children with Autism |
| 5        | **Maria Valdovinos**  
| 6        | **B. Allyson Phillips**  
Ouachita Baptist University, University of Alabama | Measuring the Expectations and Fears Parents Have for their Children with Down Syndrome |
| 7        | **Ani Whitmore**  
Center for Disease Control | Examining the Effects of Poverty on the Healthcare Access Diseases, Injury, and Environmental Health (ORISE Fellow) |
| 8        | **Frances A. Conners**  
University of Alabama | Cross-Sectional Trajectories of Language Development in Youth with Down Syndrome |
| 9        | **Robin Shafer**  
Vanderbilt University | Heightened Attention to Non-Social Images is Not Driven by Feature Salience in Children with Autism |
| 10       | **Andrea Maughan**  
| 11       | **Katelyn Canepa**  
| 12       | **Samantha Goldman**  
Vanderbilt University | Sustained Volunteering in Special Education Advocates |
| 13       | **Kelcie D. Willis**  
Texas Christian University | The Relationship between Spirituality and Well-Being in Mothers of Children with ASD: The Mediating Roles of Relationship Satisfaction and Positive Perceptions |
| 14       | **Brianne Gerlach-McDonald**  
Colorado State University | Manual Dexterity and Executive Function in School-aged Children with Down Syndrome |
| 15       | **TAM. McDonald**  
University of Wisconsin-Madison, Waisman Center | Autism Spectrum Identity Scale (ASIS): Relationship to Gender, ASD categories, and Postsecondary Outcomes of Education and Employment |

*This is a mandatory session for all travel award recipients.*
**WEDNESDAY**

**MARCH 9, 2016**

- **6:00–7:30 p.m.**
  - **POSTER SESSION RECEPTION 1**
  - **Kon Tiki Ballroom**
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THURSDAY
MARCH 10, 2016

7:30 a.m. – Check-in/Registration
Aviary Foyer

8:00–9:15 a.m.
PLENARY SESSION 3
Aviary Ballroom
Prenatal Origins of Resilience and Vulnerability
Christopher Coe, Ph.D.
University of Wisconsin-Madison

9:15–9:45 a.m. — BREAK

9:45–11:15 a.m.
SYMPOSIUM 10
Toucan Room
Self-Injurious Behavior, Proto-Injurious Behavior, and Restricted and Repetitive Behavior in IDD and ASD: Contingencies, Precursors, and Developmental Context
Chair: Kristen Medeiros
Central Connecticut State University

"Contagious" Self-Injurious Behavior among Individuals with Intellectual and Developmental Disabilities in Community Settings
Andrea B. Courtemanche, Blair P. Lloyd,
Johanna L. Staubitz, Sherry Crossley

Stereotyped Behaviours as Precursors of Self-Injurious Behaviours: A Longitudinal Study with Infants and Toddlers at Risk for Developmental Delay
Johannes Rojahn, Lucy Barnard-Brak,
Kristen Medeiros, Stephen Schroeder

Developmental Trajectories of SIB and RRB in Children with Autism
Cristan Farmer, Lisa Joseph, Audrey Thurm

9:45–11:15 a.m.
SYMPOSIUM 11
Macaw Room
Life Course Predictors of Social Functioning in Individuals with Autism Spectrum Disorders
Chair: Marsha Mailick
University of Wisconsin-Madison

Validity Tests of the Social Responsiveness Scale (SRS) for Adults with Autism Spectrum Disorders: A Latent Factor Approach
Wai Chan, Leann Smith, Jinkuk Hong, Jan Greenberg,
Marsha Mailick

Language and the Social Responsiveness Scale (SRS) in School-Age Children with High Functioning Autism
Philip Lai, Judy Reilly

Associations between Father and Mother Broader Autism Phenotype, Family Environment, and Adult Child’s Autism Symptoms
Daniel Laxman, Leann Smith, Jan Greenberg,
Marsha Mailick

Correlates of Social Functioning in Adults with Autism Spectrum Disorder: The Role of Biological Stress Response and Perceived Stress
Lauren Bishop-Fitzpatrick, Carla Mazefsky,
Nancy Minshew, Shaun Eack

Neurobiological Predictors of Social Function in Autism Spectrum Disorders
Douglas Dean, Brittany Travers, Brandon Zielinski,
Molly Prigge, Erin Bigler, Nicholas Lange,
Janet Lainhart, Andrew Alexander

9:45–11:15 a.m.
SYMPOSIUM 12
Cockatoo Room
Novel Outcome Measures for Intellectual Disability Clinical Trials
Chair: David Hessl
University of California Davis, MIND Institute
Discussant: Leonard Abbeduto
University of California Davis, MIND Institute

The NIH Toolbox Cognitive Battery for Intellectual Disabilities: Preliminary Feasibility Studies and Future Directions
David Hessl, Stephanie Sansone, Elizabeth Berry-Kravis,
Richard Gershon, Karen Riley, Andrea Schneider,
Crystal Crestodina, Kelly Rhodes, Dena Oaklander

The KiTAP as an Outcome Measure for Executive Function in Clinical Trials for Fragile X Syndrome
Elizabeth Berry-Kravis, David Hessl, Jonathan Rubin,
Yaron Daniely, Crystal Crestodina, Andrew Knox,
Andrea Schneider, Mary Jacina Leigh, Kyoungmi Kim,
Randi Hagerman

Sensitivity of an Eye Tracking Paradigm as an Outcome Measure in a Fragile X Syndrome Targeted Treatment Clinical Trial
Stephanie Sansone, Elizabeth Berry-Kravis,
Crystal Crestodina, Yingratana McLennan,
Randi Hagerman, David Hessl

11:30–1:00 p.m. — LUNCH
THURSDAY
MARCH 10, 2016

1:00–2:30 p.m.
SYMPOSIUM 13
Toucan Room
Parent and Child Outcomes Following Parent-Focused Stress Reduction, Mindfulness-Based, and Gratitude Interventions
Chair: Naomi Ekas
Texas Christian University
Outcomes and Feasibility of a Gratitude Intervention for Mothers of Children with Autism Spectrum Disorder
Naomi Ekas, Lisa Timmons, Megan Pruitt, Cathy Cox
The Impact of Behavior Services and Parent Mindfulness-Based Stress Reduction on Child Behavior Problems: Implications for a Combined Treatment Model
Cameron L. Neece
Mindfulness-Based Intervention for Parents of Adults with Intellectual / Developmental Disabilities: Outcomes from a Randomized Active Treatment Controlled Trial

1:00–2:30 p.m.
SYMPOSIUM 14
Macaw Room
Can Rare Disorders Pave the Way to Targeted Interventions for Autism Spectrum Disorders (ASD) and Intellectual Disability (ID)?
Insights Gained from Fragile X Syndrome, Tuberous Sclerosis Complex, and Dup15q Syndrome
Chair: Shafali S. Jeste
University of California, Los Angeles
Discussant: Julian Martinez
The Comorbidity of Fragile X Syndrome and Autism Spectrum Disorder: Failed and Potential Insights
Leonard Abbeduto, Andrea McDuffie, Angela J. Thurman
Characterizing Early Developmental Trajectories and Social Communication Profiles in Tuberous Sclerosis Complex
Kandice Varcin, Shafali S. Jeste, Amanda Gulsrud, Charles Nelson

Recent Advances in 15q11.2-Q13.1 Duplications (Dup15q Syndrome): Identification of Symptom Profiles within the ID and ASD Spectrum
Shafali S. Jeste, Charlotte DiStefano, Amanda Gulsrud, Larry Reiter, Ronald Thibert, Edwin Cook

1:00–2:30 p.m.
SYMPOSIUM 15
Cockatoo Room
Executive Functions in Autism Spectrum Disorder, Down Syndrome, and Sex Chromosome Anceplody: An Examination of Age Effects and Relations with Comorbid Psychopathology
Chair: Nancy L. Lee
Drexel University
Co-Chair: Gregory L. Wallace
George Washington University
Discussant: Deborah Fidler
Colorado State University
Age and Co-Morbid Psychopathology are Associated with Everyday Executive Functioning among Children and Adolescents with Autism Spectrum Disorder
Emily White, Gregory L. Wallace, Cara Pugliese, Laura Anthony, Alex Martin, Lauren Kenworthy
Real-World Executive Functioning and its Clinical Correlates among Young Adults with Autism and Older Adults with the Broader Autism Phenotype
Gregory L. Wallace, Rebecca Charlton, Haroon Popal, Emily White, Jessica Budgett, Lauren Kenworthy, Alex Martin
An Examination of the Relations Between Everyday Executive Functions, Age, and Psychopathology in Children and Young Adults with Down Syndrome
Mary Godfrey, Moshe Maiman, Payal Anand, Elizabeth Will, Liv S. Clasen, Lisa Daunhauer, Deborah Fidler, Jay Giedd, Jamie Edgin, Nancy R. Lee
Variation in the Severity of Everyday Executive Function Skills in Relation to Age and Symptoms of Psychopathology in Youth with an Extra X Chromosome: A Comparison with Typical Youth and Youth with Down Syndrome
Nancy R. Lee, Elizabeth Will, Elizabeth Adeyemi, Liv S. Clasen, Jonathan Blumenthal, Lisa Daunhauer, Deborah Fidler, Jay Giedd, Jamie Edgin
2:45–4:15 p.m.

**SYMPOSIUM 16**

**Toucan Room**
The Effects of Caregiver-Associated Stress on Health-Related Outcomes and Parent-Directed Interventions
Chair: Stephanie Sansone
University of California Davis, MIND Institute
Chair: Nikko Da Paz
University of California, Merced
Discussant: Marsha Mailick
University of Wisconsin-Madison

Associations of Illness Perceptions and Subjective Stress with Health-Related Quality of Life and Salivary Cortisol Levels in Caregivers of Children with Autism Spectrum Disorder
Nikko Da Paz, Jan Wallander, Jitske Tiemensma

The FMRI Gene and Differential Susceptibility to HPA-Axis & Immune Dysfunction: Examination of a Gene-Environment Interaction with Chronic Stress
Stephanie Sansone, Milo Careaga, Paul Ashwood, David Hessl

The Impact of Parent Stress on Cognitive Training with Individuals with Fragile X Syndrome
Yingratana McLennan, Stephanie Sansone, Cindy Johnston, David Hessl

2:45–4:15 p.m.

**SYMPOSIUM 17**

**Macaw Room**
Prenatal Risk Factors for Autism Spectrum Disorders: Advancing our Understanding through Integrated Epidemiological and Preclinical Studies
Chair: Melissa D. Bauman
University of California, Davis

Epidemiology of Autism Spectrum Disorders: Investigating Perinatal Risk Factors
Lisa Croen

Prenatal Valproic Acid Exposure as a Preclinical Model for the Study of Autism Spectrum Disorders (ASD): Assessing ASD-Like Social and Communicative Behaviors in Rats
Sarah Raza, Bryan Kolb, Sergio M. Pellis, Robbin Gibb

Maternal Anti-Fetal Brain IgG Autoantibodies and Autism Spectrum Disorders: Translational Approaches to Determine Underlying Mechanism
Judy Van de Water

Prenatal Immune Challenges and Altered Neurodevelopment: Novel Findings and Future Directions from Preclinical Models in Rats and Nonhuman Primates
Melissa D. Bauman

2:45–4:15 p.m.

**SYMPOSIUM 18**

**Cockatoo Room**
Diagnosis and Services among Vulnerable Children from Diverse Backgrounds with ASD
Chair: Susan L. Parish
Brandeis University
Presenter: Sandra M. Magaña
University of Illinois at Chicago
Discussant: Leann E. Smith
University of Wisconsin

Prevalence and Correlates of Service Use among Children in Foster Care with Autism Spectrum Disorder
Lucy Bilaver, Judy Havlicek

Severity and Latino Ethnicity in Specialty Services for Children with Autism Spectrum Disorders
Sandra Magaña, Susan Parish, Esther Son

Examining the Validity of the Spanish ADI-R in a U.S.-Based Latino Population
Sandra B. Vanegas, Sandra Magaña, Miguel Morales, Ellyn McNamara

Ethnic Disparities in Health Care Providers’ Response to Parent Concerns
Susan L. Parish, Sandra M. Magaña, Esther Son
4:30–6:00 p.m.

**SYMPOSIUM 19**

**Toucan Room**

Experimental Analysis and Intervention for Severe Behavior Problems of Individuals with Rett Syndrome and ASD via Remote Videoconferencing

Chair: Jennifer McComas  
University of Minnesota

Applications and Extensions of Remote Videoconferencing to Conduct Experimental Analyses and Intervention for Severe Behavior Problems and Limited Communication Repertoires of Individuals with Neurodevelopmental Disorders  
Jennifer McComas

Telehealth as a Mechanism for Coaching Parent-Implemented Communication Intervention for Children with Severe Neurodevelopmental Disabilities  
Brittany Pennington, Jessica Simacek, Jennifer McComas

Using Telehealth to Conduct Functional Analysis and Functional Communication Training for Challenging Behavior  
Stephanie Benson, Kelsey Quest, Adele Dimian, Jennifer McComas

Assessment and Intervention for Challenging Behavior Via Telehealth in a Group-Home Setting  
Adele Dimian, Jessica Simacek, Jennifer McComas

4:30–6:00 p.m.

**SYMPOSIUM 20**

**Macaw Room**

Social Experiences of Adolescents and Adults with an Autism Spectrum Disorder: Implications for Development  
Chair: Julie Lounds Taylor  
Vanderbilt University

Individual Behavioral Characteristics Associated with Negative Peer Experiences in Adolescents with an Autism Spectrum Disorder  
Somer Bishop, Ryan Adams

Testing Associations between Peer Victimization and Academic Problems in Adolescents with an Autism Spectrum Disorder who Spend a Majority of their School Day in a Mainstream Setting  
Ryan Adams, Amie Duncan, Somer Bishop

Changes in Social Activities for Youth with an Autism Spectrum Disorder During the Transition to Adulthood  
Julie Lounds Taylor

Friendships and Social Participation as Markers of Quality of Life of Adolescents and Adults with Autism and Fragile X Syndrome  
Leann E. Smith, Marsha R. Mailick, Jan S. Greenberg

4:30–6:00 p.m.

**SYMPOSIUM 21**

**Cockatoo Room**

Training Usual Care, Community Providers to Deliver Evidence-Based Practices to Children with Autism Spectrum Disorder  
Chair: Amy Drahota  
San Diego State University

Training as Usual for Community Providers Providing Specialized Services to Youth with Autism: A Lot of Methods but Little Consistency  
Amy Drahota, Alexandra Smith, Lauren Brookman-Frazee

Training Multi-Disciplinary Early Intervention Providers in an Evidence-Based Practice for Toddlers At-Risk for ASD  
Srah Rieth, Aubyn C. Stahmer, Lauren Brookman-Frazee

Training Classroom Teachers in an EBP for ASD: Examining Outcomes and Predictors of Skill Mastery  
Jessica Suhrheinrich, Aubyn C. Stahmer, Sarah Reith

Training Mental Health Providers to Deliver an Individualized Mental Health Intervention for Autism Spectrum Disorders (ASD): Impact on Provider Use of Evidence-Based Intervention Strategies  
Colby Chlebowski, Margaret Dyson, Lauren Brookman-Frazee
**THURSDAY**

**MARCH 10, 2016**

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<td><strong>POSTER SESSION RECEPTION 2</strong></td>
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<tr>
<td>7:30–9:00 p.m.</td>
<td><strong>Macaw Room</strong></td>
<td>For Early Career Scientists: NIH- How it Works and How You Can Be Successful</td>
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<td></td>
<td>Presenters: Alice Kau, Ph.D., Tracy King, M.D., M.P.H.</td>
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<td>Sensory Behaviors in Minimally Verbal Children with Autism Spectrum Disorder: When and How Do Caregivers Respond?</td>
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<td>Danielle Henderson</td>
<td>Interaction Style of Mothers of Young Children with Williams Syndrome and Relations with Child Expressive Vocabulary</td>
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**Thursday, March 10, 2016**

*6:00–7:30 p.m.*

**Poster Session Reception 2**  
Kon Tiki Ballroom

*This is a mandatory session for all travel award recipients.*

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<td>A Comparison of the Efficacy of an Explicit Approach for Teaching Grammatical Forms to Children with ASD or Primary Language Impairment</td>
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<td>Baylor College of Medicine</td>
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<td>University of California, Los Angeles</td>
<td>Play Level and Diversity in Toddlers with Autism Spectrum Disorder</td>
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<td>Gael I. Orsmond</td>
<td>Boston University</td>
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**FRIDAY**

**MARCH 11, 2016**

- 8:00 a.m. – Check-in/Registration
  *Aviary Foyer*

- 8:00–9:30 a.m.
  **POSTER BREAKFAST**
  *Kon Tiki Ballroom*

  *This is a mandatory session for all travel award recipients.*

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<td>Comparing Effects of Public Service Announcements on Young Adults’ Perception of the R-Word</td>
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<td>A Rat Model of Maternal Immune Activation</td>
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<td>Predictors of Specific Phobia in Children with Williams Syndrome: Behavioral Regulation and IQ</td>
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<td>Physiological and Neural Mechanisms of Eating Behavior in Autism Spectrum Disorder</td>
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<td>The Effects of Maternal Coping on Academic Involvement in the Early Transition Years for Children with ASD</td>
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<td>Using Brief Intensive Feeding Treatment to Decrease Maladaptive Behavior and Parent Stress</td>
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<td>Bussiwe L. Ncube</td>
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## POSTER BREAKFAST
Kon Tiki Ballroom

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<td>Cognitive Empathy as a Predictor of Social Skills Improvement for Adolescents with ASD Following the UCLA PEERS® Program</td>
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<td><strong>Connie Wong</strong>&lt;br&gt;University of North Carolina at Chapel Hill</td>
<td>Toddlers and Families Together: Promoting Joint Engagement for Young Children with or at Risk for Autism Spectrum Disorder</td>
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<td>Toddlers in Early Intervention: Engagement, Play, Joint Attention, and Language</td>
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<td>Fluoxetine (Prozac®) Effects in a Rhesus Monkey Model of Childhood Therapeutic Exposure</td>
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<td><strong>Nancy Brady</strong>&lt;br&gt;University of Kansas</td>
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<td><strong>Maria Lemler</strong>&lt;br&gt;University of North Carolina at Chapel Hill</td>
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FRIDAY
MARCH 11, 2016

9:30–11:00 a.m.

SYMPOSIUM 22
Toucan Room
Self-Injury in Developmental Disorders: Models and Mechanisms
Chair: Caroline Richards
University of Birmingham
Co-Chair: Frank Symons
University of Minnesota
Discussant: William MacLean
University of Wisconsin-Madison

Astroglial Activation in Macaques Exhibiting Self-Injurious Behavior: Molecular Mechanisms
Olivia M. Purcell, Kim M. Lee, Elizabeth C. Martin, Kevin C. Chiu, Yoojin R. Rhee, Cagla Ayk Espinoza, Kate C. Baker, Kelly Jordan-Sciutto, Andrew G. MacLean

Proopiomelanocortin (POMC) Sequencing and Developmental Delay: Preliminary Evidence for a SNP in the 3’ UTR region of the POMC gene – Possible Relevance for Biological Risk and Self-Injurious Behavior
John A. Damerow, Raymond C. Tervo, Frank J. Symons

Environmental Impoverishment: A Rodent Model of Pathological Behavior in Autism
Darragh P. Devine

Potential Risk Factors for the Development of Self-Injurious Behavior among Infants at Risk for Autism Spectrum Disorder
Adele Dimian, Jason Wolff, Jed Elison, Joseph Piven

A Within Cohort Analysis of Predictors for Self-Injurious Behaviour and Self-Restraint in Autism Spectrum Disorder; Towards a Hypothesis of Impaired Behavioral Control
Caroline Richards, Louise Daniel, Chris Oliver

Self-Injurious Behavior and the Autisms: One Size Does Not Seem to Fit All
Allison Whitten, Mika Garrett, James W. Bodfish

Identifying Environmental Influences on SIB Shown by Boys with Fragile X Syndrome
Scott S. Hall, Rebecca P. Barnett, Kristin M. Hustyi

Delineating Subtype of Self-Injurious Behavior Maintained by Automatic Reinforcement: Treatment Outcome Data
Jennifer Zarcone, Griffin Rooker, Louis Hagopian

9:30–11:00 a.m.

SYMPOSIUM 23
Macaw Room
Attention in Autism and other Neurodevelopmental Disorders from Infancy to Adulthood
Chair: Bridgette Tonnsen
Purdue University
Discussant: Elisabeth Dykens
Vanderbilt University

Cross-Syndrome Attention in Infants at Risk for Autism
Bridgette Tonnsen, John Richards, Jane Roberts

Looking and Language in Autism Spectrum Disorder: A Comprehensive Investigation
Michelle Lee, Nell Heckel, Kritka Nayar, Abigail Hogan-Brown, Peter Gordon, Gary Martin, Molly Losh

Visual Preference for Social Versus Non-Social Stimuli in Children and Adults with Neurodevelopmental Disorders
Hayley Crawford, Joanna Moss, Chris Oliver, Natasha Elliott, Giles Anderson, Joseph McCleery

9:30–11:00 a.m.

SYMPOSIUM 24
Cockatoo Room
Parenting and Longitudinal Development in Children with or without Intellectual Disability
Chair: Jan Blacher
University of California, Riverside
Discussant: Cameron L. Neece
Loma Linda University

Parenting Stress and Child Behavior Problems in Children with or without Intellectual Disability: The Mediating Role of Maternal Expressed Criticism
Barbara Caplan, Willa Marquis, Bruce L. Baker

Characteristics of Parent Language Input: Predicting Child Complex Syntax in Children with and without Developmental Delays
Christine T. Moody, Bruce L. Baker

Growth Curve Models of Child Emotion Dysregulation as Predicted by Cognitive Ability and Serotonin Transporter Genotype-Parenting Interactions
Amanda Norona, Irene Tung, Steve Lee, Jan Blacher, Bruce L. Baker

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Thank you for attending the 49th Annual Gatlinburg Conference.

We hope you enjoy the conference and if you need any assistance, please feel free to contact us.

Rebecca L. Shilts, Conference Manager
Cell: 916-753-8659

Brenda L. Shelton, Conference Co-Manager
Cell: 916-296-4346

We invite you to attend and celebrate the 50th Annual Gatlinburg Conference in San Antonio, Texas, at the Hotel Contessa in 2017. The theme will be, “Outcome Measures, Biomarkers, and Treatment Possibilities for Intellectual and Developmental Disabilities”.

On March 28th, a post-conference survey will be available on our website:
mindinstitute/gatlinburg/index.html

We welcome your feedback!
# Award Recipients

**Congratulations to the 2016 Gatlinburg Conference Travel Award Recipients!**

## American Psychological Association-Division 33 Graduate Student Travel Award

**Elizabeth Will**  
Colorado State University

## David Zeaman Graduate Award

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Katherine J. Bangert</td>
<td>University of Minnesota, Twin Cities</td>
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<tr>
<td>Nonyé Nwosu</td>
<td>Georgia State University</td>
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<tr>
<td>James Yang</td>
<td>University of California, Los Angeles</td>
</tr>
<tr>
<td>Michelle Lee</td>
<td>Northwestern University, Feinberg School of Medicine</td>
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<tr>
<td>Brianna D. Yund</td>
<td>University of Wisconsin-Milwaukee</td>
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</tbody>
</table>

## Dissertation Award

**Elizabeth Halstead**  
University of Warwick

## John G. Borkowski Diversity Travel Award

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Nikko Da Paz</td>
<td>University of California, Merced</td>
</tr>
<tr>
<td>Busisiwe L. Ncube</td>
<td>York University</td>
</tr>
<tr>
<td>Naomi Rodas</td>
<td>University of California, Los Angeles</td>
</tr>
</tbody>
</table>

## Laraine Masters Glidden Undergraduate Award

**Sarah Bowman**  
Vanderbilt University

## National Fragile X Foundation Award

**Sara McGrath Matherly**  
University of South Carolina

## Theodore Tjossem Postdoctoral Award

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Stephanie Sansone</td>
<td>University of California Davis, MIND Institute</td>
</tr>
<tr>
<td>Sandra B. Vanegas</td>
<td>University of Illinois at Chicago</td>
</tr>
</tbody>
</table>

SAVE THE DATE

50TH GATLINBURG CONFERENCE

Theme: “Outcome Measures, Biomarkers, and Treatment Possibilities for Intellectual and Developmental Disabilities”

March 8-10th, 2017
Hotel Contessa
Luxury Hotel on the Riverwalk
306 W Market Street | San Antonio, Texas

For more information contact:

Rebecca L. Shilts, Conference Manager
University of California Davis, MIND Institute
rlishilts@ucdavis.edu • 916-703-0263

Brenda L. Shelton, Conference Co-Manager
University of California Davis, MIND Institute
blshelton@ucdavis.edu • 916-703-0343
Special Acknowledgment

TO OUR EXHIBITORS

Brookes Publishing Co.
Routledge Taylor & Francis Group

Conference Venue Map
### Program at a Glance

#### Wednesday - March 9, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:30 a.m.</td>
<td>Conference Check-in / Registration</td>
<td>Aviary Foyer</td>
</tr>
<tr>
<td>8:00-8:15 a.m.</td>
<td>Opening Remarks – Leonard Abbeduto, Ph.D., Conference Chair</td>
<td>Aviary Ballroom</td>
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</tbody>
</table>
| 8:15-9:30 a.m. | **Plenary Session 1**  
Prenatal Susceptibility to Environmental Insults: ASD, ID, and Behavior Problems  
Presenter: Irva Hertz-Picciotto, Ph.D., M.P.H. | Aviary Ballroom   |
| 9:30-10:00 a.m. | **BREAK**                                                                    | Boardroom (Refreshments) |
| 10:00-11:30 a.m. | **Symposium 1 – Toucan Room**  
Experiences, Health Outcomes, and Health Care Utilization of Children of Mothers with Intellectual and Developmental Disabilities  
Chair: Monika Mitra  
**Symposium 2 – Macaw Room**  
The Delivery of Evidence-Based Social Skills for Youth and Young Adults with Autism Spectrum Disorders: Theory, Research and Practice  
Chair: Elizabeth Laugeson  
**Symposium 3 – Cockatoo Room**  
Health Behaviors and Outcomes in Females with an FMR1 Mutation  
Chair: Anne Wheeler | |
| 11:30-1:00 p.m. | **LUNCH**                                                                             |                   |
| 1:00-2:30 p.m. | **Symposium 4 – Toucan Room**  
Transactions During the Prelinguistic Period in Children Diagnosed with, or at High Risk for, Autism Spectrum Disorder  
Chair: Tiffany Woynaroski  
**Symposium 5 – Macaw Room**  
Mild Cognitive Impairment and Dementia in Adults with Down Syndrome: Early Indicators of Clinical Progression  
Chair: Sharon J. Krinsky-McHale  
**Symposium 6 – Cockatoo Room**  
Parent Well-Being of Youth with Developmental Disabilities: Implications and Interventions  
Chair: Elizabeth Halstead | |
| 2:45-4:15 p.m. | **Symposium 7 – Toucan Room**  
Age Related Psychological Phenotypes in Genetic Disorders  
Chair: Chris Oliver  
**Symposium 8 – Macaw Room**  
Parenting Children with ID or ASD: Behavioral, Mental Health, and Social Outcomes  
Chair: Bruce L. Baker  
**Symposium 9 – Cockatoo Room**  
Parent-Implemented Spoken Language Intervention for Boys with FXS: A Naturalistic Language Intervention Delivered by Distance Teleconferencing  
Chair: Andrea McDuffie | |
| 4:15-4:45 p.m. | **BREAK**                                                                     | Boardroom (Refreshments) |
| 4:45-6:00 p.m. | **Plenary Session 2**  
Prevention of Neural Tube Defects by Periconceptional Supplementation – Beyond Folic Acid  
Presenter: Irene Zohn, Ph.D. | Aviary Ballroom |
| 6:00-7:30 p.m. | **Poster Session – Reception 1**  
("This is a mandatory session for all travel award recipients.) | Kon Tiki Ballroom |
| 7:30-9:00 p.m. | **Timely Topics Presentation and Discussion: Issues and Challenges in the Reproducibility of Research on Intellectual and Developmental Disabilities**  
Presenters: Steve Warren, Ph.D. (Chair), Deborah Fidler, Ph.D., Marsha Mailick, Ph.D., and Paul Yoder, Ph.D.  
("This is a mandatory session for all travel award recipients.) | Aviary Ballroom |

#### Thursday - March 10, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30 a.m.</td>
<td>Conference Check-in / Registration</td>
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</tbody>
</table>
| 8:00-9:15 a.m. | **Plenary Session 3**  
Prenatal Origins of Resilience and Vulnerability  
Presenter: Christopher Coe, Ph.D. | Aviary Ballroom   |
<p>| 9:15-9:45 a.m. | <strong>BREAK</strong>                                                                    | Boardroom (Refreshments) |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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<tbody>
<tr>
<td>9:45–11:15 a.m.</td>
<td><strong>Symposium 10 – Toucan Room</strong> Self-Injurious Behavior, Proto-Injurious Behavior, and Restricted and Repetitive Behavior in IDD and ASD: Contingencies, Precursors, and Developmental Context Chair: Kristen Medeiros</td>
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<td><strong>Symposium 11 – Macaw Room</strong> Life Course Predictors of Social Functioning in Individuals with Autism Spectrum Disorders Chair: Marsha Mailick</td>
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<td><strong>Symposium 12 – Cockatoo Room</strong> Novel Outcome Measures for Intellectual Disability Clinical Trials Chair: David Hessl</td>
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<tr>
<td>11:30–1:00 p.m.</td>
<td>LUNCH</td>
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<tr>
<td>1:00–2:30 p.m.</td>
<td><strong>Symposium 13 – Toucan Room</strong> Parent and Child Outcomes Following Parent-Focused Stress Reduction, Mindfulness-Based, and Gratitude Interventions Chair: Naomi Ekas</td>
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<td></td>
<td><strong>Symposium 14 – Macaw Room</strong> Can Rare Disorders Pave the Way to Targeted Interventions for Autism Spectrum Disorders (ASD) and Intellectual Disability (ID)? Insights Gained from Fragile X Syndrome, Tuberous Sclerosis Complex, and Dup15q Syndrome Chair: Shafali S. Jeste</td>
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<td><strong>Symposium 15 – Cockatoo Room</strong> Executive Functions in Autism Spectrum Disorder, Down Syndrome, and Sex Chromosome Aneuploidy: An Examination of Age Effects and Relations with Comorbid Psychopathology Chair: Nancy R. Lee</td>
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<tr>
<td>2:45–4:15 p.m.</td>
<td><strong>Symposium 16 – Toucan Room</strong> The Effects of Caregiver-associated Stress on Health-Related Outcomes and Parent-Directed Interventions Chair: Stephanie Sansone</td>
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<td><strong>Symposium 17 – Macaw Room</strong> Prenatal Risk Factors for Autism Spectrum Disorders: Advancing our Understanding Through Integrated Epidemiological and Preclinical Studies Chair: Melissa D. Bauman</td>
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<td><strong>Symposium 18 – Cockatoo Room</strong> Diagnosis and Services Among Vulnerable Children from Diverse Backgrounds with ASD Chair: Susan L. Parish Presenter: Sandra M. Magaña</td>
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<tr>
<td>4:30–6:00 p.m.</td>
<td><strong>Symposium 19 – Toucan Room</strong> Experimental Analysis and Intervention for Severe Behavior Problems of Individuals with Rett Syndrome and ASD via Remote Videoconferencing Chair: Jennifer McComas</td>
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<td><strong>Symposium 20 – Macaw Room</strong> Social Experiences of Adolescents and Adults with an Autism Spectrum Disorder: Implications for Development Chair: Julie Lounds Taylor</td>
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<td><strong>Symposium 21 – Cockatoo Room</strong> Training Usual Care, Community Providers to Deliver Evidence-Based Practices to Children with Autism Spectrum Disorder Chair: Amy Drahota</td>
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<tr>
<td>6:00–7:30 p.m.</td>
<td><strong>Poster Session – Reception 2</strong> (<em>This is a mandatory session for all travel award recipients.</em>)</td>
<td>Kon Tiki Ballroom</td>
</tr>
<tr>
<td>7:30–9:00 p.m.</td>
<td><strong>For Early Career Scientists: NIH – How it Works and How You Can Be Successful</strong> Presenters: Alice Kau, Ph.D., Tracy King, M.D., M.P.H. (<em>This is a mandatory session for all travel award recipients.</em>)</td>
<td>Macaw Room</td>
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<td><strong>Friday – March 11, 2016</strong></td>
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<tr>
<td>9:30–11:00 a.m.</td>
<td><strong>Symposium 22 – Toucan Room</strong> Self-Injury in Developmental Disorders: Models and Mechanisms Chair: Caroline Richards</td>
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<td><strong>Symposium 23 – Macaw Room</strong> Attention in Autism and other Neurodevelopmental Disorders from Infancy to Adulthood Chair: Bridgette Tonnens</td>
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<td><strong>Symposium 24 – Cockatoo Room</strong> Parenting and Longitudinal Development in Children with or without Intellectual Disability Chair: Jan Blacher</td>
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<tr>
<td>11:00–11:30 a.m.</td>
<td>BREAK</td>
<td>Boardroom (Refreshments)</td>
</tr>
<tr>
<td>11:30–12:45 p.m.</td>
<td><strong>Plenary Session 4</strong> Early Nutritional Interventions and Biobehavioral Outcomes in Developmental Pediatrics Chair: John Colombo, Ph.D.</td>
<td>Aviary Ballroom</td>
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<tr>
<td>12:45–1:00 p.m.</td>
<td><strong>Closing Remarks</strong> – Leonard Abbeduto, Ph.D., Conference Chair</td>
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