



**FETAL ALCOHOL SPECTRUM DISORDERS STUDY GROUP**

June 24, 2017

Hyatt Regency, Denver, CO

(Room: Centennial D)

***Prenatal alcohol exposure in the context of multiple factors  
affecting brain development***

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Jeff Wozniak, Ph.D., *President*; Anna Klintsova, Ph.D., *Vice-President*;  
Derek Hamilton, Ph.D., *Treasurer*; Sandra Mooney, Ph.D., *Secretary*

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- 7:15-8:00 Registration and Continental Breakfast
- 8:00-8:05 Welcome, **Jeff Wozniak, Ph.D.**, President of the FASDSG
- 8:05-9:00 **Keynote Presentation 1:** *Using Systems Biology for Linking Genes and Environment for Alcohol Research*, **Elaine Faustman, Ph.D.**, Professor of Environmental and Occupational Health Sciences, University of Washington
- 9:00-9:25 **FASt Data Presentation Session I** (a series of 5-minute, two-slide presentations on late-breaking results in the field)
- The Impact of Prenatal Alcohol Exposure on Cortical Function Assessed with Functional Near Infrared Spectroscopy*, **Catherine Barrett, Ph.D.**, Emory University (**Travel Awardee**)
- Third Trimester-Equivalent Alcohol Exposure in Rat Produces Hippocampo-Thalamic-Prefrontal Circuit-Specific Damage and Behavioral Impairment in Adulthood*, **Zachary Gursky, B.S.**, Univ. of Delaware (**Travel Awardee**)
- Early Alcohol Exposure Disrupts the Functional Connectivity of the Ferret Rostral Posterior Parietal Cortex*, **Shiyu Tang, B.S.**, Univ. of Maryland School of Medicine (**Travel Awardee**)
- 9:25-9:40 **Announcements, Introduction of New Officer Nominees, and Voting for New Officer**
- 9:40-10:00 **Coffee Break**
- 10:00-10:25 **FASt Data Presentation Session II**
- Primary Cilia Defects as a Novel Mechanism of Prenatal Ethanol-Induced Craniofacial and CNS Abnormalities*, **Karen Boschen, Ph.D.**, Univ. of North Carolina (**Travel Awardee**)
- Prenatal Alcohol Exposure-Induced Deficits in Spatial Memory are Ameliorated by the Histamine H3 Receptor Inverse Agonist SAR152954*, **Jennifer Wagner, Ph.D.**, Univ. of New Mexico
- Ethanol Metabolites of Infants Exposed to Postnatal Ethanol-Containing Medication in the Neonatal Intensive Care Unit*, **Cynthia Bearer, Ph.D.**, Univ. of Maryland School of Medicine
- 10:25-10:40 **Timothy A. Cudd Award: Alexandre Lussier, B.S.**, Univ. of British Columbia, *Epigenetic Signatures of Prenatal Alcohol Exposure*

10:40-11:15 **Federal Agency Updates**

- **William Dunty, Ph.D.**, National Institute on Alcohol Abuse & Alcoholism
- **Sally Anderson, Ph.D.**, Interagency Coordinating Committee on FASD
- **Clark Denny, Ph.D.**, Centers for Disease Control and Prevention

11:15-11:50 **FASt Data Presentations Session III**

*Cognitive Markers Identified in Early Infancy Predict Risk of Impaired Cognitive Development*, **Nadine Lindinger, Ph.D.**, Univ. of Cape Town (**Travel Awardee**)

*Characterizing Immune Cell Phenotype and Function in Middle-Aged Male Prenatal Alcohol-Exposed Rats*, **Shahani Noor, Ph.D.**, Univ. of New Mexico

*Poor Maternal Caloric Intake and Weight Gain During Pregnancy Exacerbate Fetal Alcohol Growth Restriction in Humans*, **Colin Carter, M.D., MMSc**, Columbia Univ Medical Center

*Dose-Dependent Effects of Chronic Ethanol Exposure and Withdrawal on Intracellular Calcium Dynamics in Neural Stem Cells*, **Amanda Mahnke, Ph.D.**, Texas A&M Univ Health Science Center (**Travel Awardee**)

11:50-11:55 **Business Meeting**

12:00-1:30 **Lunch (pre-purchased ticket required): Maggiano's Little Italy.**

1:35-2:30 **Keynote Presentation 2: Population Neuroscience of the Infant Brain**, **Rebecca Knickmeyer, Ph.D.**, Associate Professor of Psychiatry, Univ. of North Carolina – Chapel Hill

2:30-2:50 **Kenneth Warren Merit Award: Elissa Wong, M.S.**, Univ. of Rochester Medical Center, *Live Imaging of Microglia, Dendritic Spines, and their Interactions in Adolescent Mouse Cortex After Brain Growth Spurt Alcohol Exposure*

2:50-3:05 **Coffee Break**

3:05-3:30 **FASt Data Presentations IV–**

*Regional Differences and Correlates of Prevalence of Prenatal Alcohol Exposure in Texas Assessed by PEth in Newborn Dry Blood Spots*, **Shikhar Shrestha, Ph.D.**, Univ. of New Mexico (**Travel Awardee**)

*Infants Exposed to Prenatal Alcohol Exposure and Co-Occurring Maternal Depression: White Matter Microstructural Effects in the Neonatal Brain*, **Kirsty Donald, Ph.D.**, Univ. of Cape Town

*Gestational Day 12 Moderate Prenatal Alcohol Exposure: Increased Expression of Generalized Anxiety and Impact on Amygdala GABAA  $\alpha 1$  in Adolescent Male*, **Siara Rouzer, B.S.**, SUNY-Binghamton

3:30-3:40 **Rosett Award Winner Introduction**

3:40-4:30 **Rosett Award Winner Talk**

4:30 **Adjournment**

Afterward: **Photo Session for Travel, Warren, Cudd, and Rosett awardees**