



## FETAL ALCOHOL SPECTRUM DISORDERS STUDY GROUP

June 24, 2023

Bellevue, WA

### *Sleep: Its Importance in CNS Development and Behavioral Phenotypes*

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Kristin Hamre, Ph.D., *President*; Jonathan Brigman, Ph.D., *Vice-President*;  
Scott Parnell, Ph.D., *Treasurer*; R. Colin Carter, M.D., *Secretary*

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- 7:15-8:00 **Registration and Coffee**
- 8:00-8:10 Welcome, **Kristin Hamre, Ph.D.**, President of FASDSG
- 8:10-9:10 **Keynote Presentation 1: *Sleep and Sleep-related Behavior as early predictors of Typical and Atypical Brain Development.***  
**Greta Sokoloff, Ph.D.**, Research Scientist. Psychological and Brain Sciences. University of Iowa, Iowa City, IA.
- 9:10-9:50 **FASt Data Presentation Session I** (a series of 5-minute, two-slide presentations on late-breaking results in the field)
- Prenatal alcohol exposure alters placental expression of iron metabolism, inflammation, and hypoxia-related genes in a prospective South African birth cohort.* **Jacqueline Mashei-Lano, M.S.** Columbia University. (Travel Awardee)
- Brain MRI in the diagnosis of FASD: Leveraging big data to improve diagnostic sensitivity.* **Blake Gimbel, Ph.D.**, University of Minnesota. (Travel Awardee)
- My Health Coach: Stakeholder perspectives on a mobile health tool for adults with FASD.* **Emily Speybroeck, B.A.**, University of Rochester. (Travel Awardee)
- Diagnosing neurobehavioral disorder associated with prenatal alcohol exposure in the “real world”: Feasibility and practice considerations.* **Michelle Kuhn, Ph.D.** University of Washington.
- Choline deficient diet exacerbates prenatal ethanol exposure induced congenital heart defects.* **Stephanie Ford, M.D.** Case Western Reserve.
- 9:50-10:10 **Ken Warren Merit Award: Ian Smith, B.S.** University of Delaware. *Running wheel and environmental complexity as a means of ameliorating the impact of neonatal alcohol exposure on alterations to brain structure and elasticity.* (Travel Awardee)
- 10:10-10:30 **Coffee Break**
- 10:30-10:50 **Timothy A. Cudd Award: Jackie Soja, B.A.**, San Diego State University. *Sleep time variability mediates aspects of neurobehavioral functioning in children with and without Fetal Alcohol Spectrum Disorders.* (Travel Awardee)
- 11:50-11:40 **Federal and Community Agency Updates**
- **Bill Dunty, Ph.D.**, National Institute on Alcohol Abuse & Alcoholism
  - **Tatiana Balachova, Ph.D.**, Interagency Coordinating Committee on FASD
  - **Clark Denny, Ph.D.**, Centers for Disease Control and Prevention

- **Tom Donaldson, FASD United**
- **Elizabeth H. Lee, DrPh.** Uniformed Services University. *FASD Prevention and Clinical Guidelines in the US Military Health System*

11:40-11:50 **Business Meeting**

11:50-1:15 **Lunch (pre-purchased ticket required): Tavern Hall, 505 Bellevue Square, Bellevue, WA 98004**

1:15-2:15 **Keynote Presentation 2: *Sleep, Cognition and the Developing Brain.***

**Jared Saletin, Ph.D.**, Assistant Professor of Psychiatry and Human Behavior, Brown University, and Associate Director of the EP Bradley Hospital Sleep Research Laboratory, Providence, Rhode Island.

2:15-2:55 **FASt Data Presentation Session II**

*Prefrontal hippocampal oscillatory synchrony is disrupted in a rat model of FASD during the spatial working memory task.* **Su Heyong Kim, M.S.** University of Delaware. **(Travel Awardee)**

*Ethanol-induced cerebellar transcriptomic changes in a postnatal model of fetal alcohol spectrum disorders: Focus on disease onset.* **Kaylee Holloway, B.S.** University of Arkansas for Medical Sciences. **(Travel Awardee)**

*Prenatal alcohol and cannabis exposure alters interneurons and microglia in the hippocampus of adult rats.* **Crystal Acosta, Ph.D.** University of Victoria. **(Travel Awardee)**

*Digital spatial profiling of neurovascular components in embryonic and adolescent cortices following prenatal alcohol exposure.* **Roxana Guitierrez, B.S.** University of New Mexico.

*Prenatal alcohol exposure exaggerates NLRP3 inflammasome-dependent immune interactions following morphine treatment that paradoxically increases the chronicity of pathological pain in mice.* **Andrea Pasmay, B.S.** University of New Mexico.

2:55-3:10 **Special update.** *Update on the HBCD Study and the Evaluation of Alcohol Co-exposures.*

**Gretchen Bandoli, Ph.D.** University of San Diego., **Julie Croff, Ph.D.** Oklahoma State University.

3:10-3:30 **Coffee Break**

3:30-3:40 **Introduction of Rosett Award Winner, Heather Carmichael Olsen, Seattle Children's Hospital.**

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

4:30-4:50 **Dialogue: Bridging the Gap Between Clinical and Basic Research Panel:**

**Jennifer Thomas, Ph.D.** San Diego State University,

**Rajesh Miranda, Ph.D.** Texas A&M University,

**Jeffrey Wozniak, Ph.D.** University of Minnesota

4:55-5:00 **Closing**

Afterward: **Photo Session for Trainee and Cudd awardees**