



FETAL ALCOHOL SPECTRUM DISORDERS STUDY GROUP

June 22, 2019

Hyatt Regency Minneapolis, MN

NORTHSTAR A

Computational Approaches to Studying Behavioral Control and Individual Change

Derek Hamilton, Ph.D., *President*; Sandra Mooney, Ph.D., *Vice-President*;
Christie Petrenko, Ph.D., *Treasurer*; Kristin Hamre, Ph.D., *Secretary*

- 7:15-7:55 Registration and Continental Breakfast
- 7:55-8:00 Welcome, **Derek Hamilton, Ph.D.**, President of the FASDSG
- 8:00-8:10 Opening Remarks, **Chris Markowski**, Proof Alliance Youth Leadership Panel
- 8:10-9:05 **Keynote Presentation 1:** *How we make decisions and how those decisions go wrong*, **David Redish, Ph.D.**, Professor of Neuroscience and Distinguished McKnight University Professor from the University of Minnesota
- 9:05-9:30 **FASt Data Presentation Session I** (a series of 5-minute, two-slide presentations on late-breaking results in the field)
- Developmental alcohol exposure causes reduced excitation probability of excitatory neurons in visual cortex layer 2/3.* **Dongil Keum, Ph.D.**, University of Maryland School of Medicine. (Travel Awardee)
- Rare variants in 3 genes are associated with brain volume and executive function in prenatally exposed individuals.* **Leah Wetherill, Ph.D.**, Indiana University.
- Prenatal alcohol exposure impairs cognitive control on a touch-screen five-choice continuous performance task.* **Sarah Olguin, M.S.**, University of New Mexico.
- 9:30-9:40 **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**
- FASD diagnosis and the quantity and frequency of alcohol use as measured by biomarkers and self-report in antenatal clinics in South Africa.* **Julie Hasken, M.P.H.**, University of North Carolina, Chapel Hill. (Travel Awardee)
- Prenatal alcohol and THC exposure via vapor inhalation alters motor development and coordination.* **Kristen Breit, Ph.D.**, San Diego State University. (Travel Awardee)
- Thalamic nucleus reuniens is highly sensitive to alcohol-induced neuron loss in third-trimester equivalent period of rat.* **Zachary Gursky, M.S.**, University of Delaware. (Travel Awardee)
- 10:25-10:40 **Timothy A. Cudd Award:** **Fleur Warton, Ph.D.**, University of Cape Town. *Maternal choline supplementation in pregnancy mitigates adverse effects on regional brain volumes in infants heavily exposed to alcohol in utero.* (Travel Awardee)

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

- **William 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

11:10-11:40 **Career Development Roundtable**

- **William Dunty, Ph.D.**, National Institute on Alcohol Abuse & Alcoholism
- **Joanne Weinberg, Ph.D.**, University of British Columbia
- **Edward Riley, Ph.D.**, San Diego State University

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

12:00-1:30 **Lunch (pre-purchased ticket required): The News Room.**

1:35-2:30 **Keynote Presentation 2: *Machine learning approaches to studying individual change.* Kevin Grimm, Ph.D.**, Professor of Psychology from Arizona State University.

2:30-2:50 **Kenneth Warren Merit Award: Parker Holman, M.S.**, University of British Columbia, *Effects of prenatal alcohol exposure and early life adversity on the neurobiology of social behavior during adolescent development.* (Travel Awardee)

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

3:05-3:40 **FASt Data Presentation Session III**

Lasting impairment or developmental delay: Examining higher order social-cognitive functioning from school age through adolescence in children with FASD. **Nadine Lindinger, Ph.D.**, University of Cape Town. (Travel Awardee)

Maternal iron status influences placental inflammatory profile in a rat model of prenatal alcohol exposure. **Cecilia Kwan, Ph.D., R.D.**, University of North Carolina, Chapel Hill. (Travel Awardee)

Maternal alcohol use during pregnancy predicts child alcohol sipping in preadolescence. **Sarah Inkelis, M.S.**, San Diego State University. (Travel Awardee)

Cholinergic rescue of neurobehavioral insult following third-trimester equivalent alcohol exposure in the rat. **Nicholas Heroux, B.S.**, University of Delaware. (Travel Awardee)

3:40-3:50 **Rosett Award Winner Introduction**

3:50-4:40 **Rosett Award Winner Lecture**

4:40 **Adjournment**

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