



## FETAL ALCOHOL SPECTRUM DISORDERS STUDY GROUP

June 16, 2018

Manchester Grand Hyatt, San Diego, CA

### *Sex Differences and Vulnerability*

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

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- 7:15-8:00 Registration and Continental Breakfast
- 8:00-8:05 Welcome, **Anna Klintsova, Ph.D.**, President of the FASDSG
- 8:05-9:00 **Keynote Presentation 1: Sex differences and addiction: Preclinical studies of neural mechanisms and developmental influences, Jill Becker, Ph.D.**, Patricia Y. Gurin Professor of Psychology, Professor of Psychiatry, Senior Research Scientist, The Molecular and Behavioral Neuroscience Institute, University of Michigan, Ann Arbor
- 9:00-9:25 **FASt Data Presentation Session I** (a series of 5-minute, two-slide presentations on late-breaking results in the field)
- Dietary iron fortification attenuates the hepcidin dysregulation and inflammatory environment created by gestational iron deficiency and prenatal alcohol exposure. Nipun Saini, Ph.D.*, University of North Carolina at Chapel Hill (**Travel Awardee**)
- Prenatal alcohol consumption alters maternal and fetal iron homeostasis in humans. R. Colin Carter, M.D., MMSc.*, Children's Hospital of New York, Columbia University Medical Center
- Periconceptional ethanol exposure results in sexually dimorphic behavioral adaptation and alterations in HPA axis activity and feedback in rat offspring. Danielle Burgess, Ph.D.*, University of Queensland (**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**
- FASD : It's not just the alcohol! Jocelynn Cook, Ph.D.* The Society of Obstetricians and Gynaecologists of Canada
- Differential effects of prenatal alcohol and methamphetamine exposure on infant growth and cognition. Andrea Kemp, M.A.*, University of Cape Town. (**Travel Awardee**)
- Postnatal ethanol exposure promotes  $\beta$ -endorphin apoptosis through microglial exosomes. Miguel Cabrera, B.A.*, Rutgers University (**Travel Awardee**)
- 10:25-10:40 **Timothy A. Cudd Award: Nihal Salem, M.S.**, Texas A&M University. *Fetal sex is a determinant of maternal plasma microRNA responses to prenatal alcohol exposure: Evidence from an analysis of a Ukraine Cohort*

10:40-11:10 **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

11:10-11:20 **Business Meeting**

11:20-11:55 **A Brief Report and Highlights of the NIAAA-funded Collaboration on FASD Prevalence (CoFASP) – Panel Discussion**

- **Philip May, Ph.D.**
- **Christina Chambers, Ph.D.**

12:00-1:30 **Lunch (pre-purchased ticket required): Eddie V's Prime Seafood.**

1:35-2:30 **Keynote Presentation 2: *Gender, developmental trajectory, and adolescent outcomes in poly-drug exposed children*, Meeyoung O. Min, MSW, Ph.D.**, Research Associate Professor, Jack, Joseph and Morton Mandel School of Applied Social Sciences, Case Western Reserve University

2:30-2:50 **Kenneth Warren Merit Award: Raine Lunde-Young, M.S.**, Texas A&M University, *Prenatal alcohol exposure produces sex-dependent patterns of gene disruption and molecular pathways in the fetal hippocampus*

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

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

*Using choline supplementation to ameliorate the impact of prenatal ethanol exposure: neocortical development in a mouse model of FASD.* **Riley Bottom, B.S.**, University of California, Riverside **(Travel Awardee)**

*Neonatal ethanol exposure impairs context memory formation and immediate early gene expression in the medial prefrontal cortex of adolescent rats.* **Nicholas Heroux, B.S.**, University of Delaware. **(Travel Awardee)**

*Alteration of neural activation in brain regions that mediate interpretation of facial affect in children with FASD.* **Nadine Lindinger, Ph.D.**, University of Cape Town. **(Travel Awardee)**

*Deficits in eye movement behaviours in justice-involved adults with FASD.* **Cindy Xiao, M.Sc.**, Queens University. **(Travel Awardee)**

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

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

4:40 **Adjournment**

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