

Advanced Approaches to Understanding the Molecular Mechanisms of Alcohol or Drug-Related Pathologies

Organizing Committee: Rajani Maiya, PhD, Brianna Bourgeois, BS

Morning Scientific Session HDC Room 130

- 9:00-9:05 *Welcome Remarks*
Rajani Maiya, PhD, Assistant Professor of Physiology, LSUHSC-NO
- Moderator: **Rajani Maiya, PhD**, Assistant Professor of Physiology, LSUHSC-NO
- 9:05-10:05 *Keynote Address*
Keri Martinowich, PhD, Lead Investigator, Lieber Institute for Brain Development; Associate Professor, Departments of Psychiatry and Neuroscience, Johns Hopkins University School of Medicine
Cell-Type and Spatially Resolved Molecular Signatures in Human Brain Disorders
- 10:05-10:20 *Coffee Break*
- 10:20-10:50 **Jay Kolls, PhD**, Professor of Medicine and Pediatrics; John W Deming Endowed Chair in Internal Medicine; Director, Center for Translational Research in Infection and Inflammation, Tulane School of Medicine
Insights into Mucosal Immunity Using Single Cell RNAseq
- 10:50-11:20 **Armando Salinas, PhD**, Assistant Professor, Department of Pharmacology, Toxicology & Neuroscience, LSUHSC-Shreveport
Ethanol Effects on Cholinergic Signaling in the Striatum

Lunch Featuring: Trainee Presentations 11:30-12:45 HDC Room 335

- Moderator: **Brianna Bourgeois, BS**, MD/PhD Student, Department of Physiology, LSUHSC-NO
- 11:45-12:00 **Mirandy Li, BS**, MD/PhD Student, Department of Community Health Sciences, LSUHSC-NO
Minority Stress Among LGBTQ Smokers in the Deep South: A Mixed Methods Study
- 12:00-12:15 **Franciely Paliarin, PhD**, Postdoctoral Fellow, Department of Physiology, LSUHSC-NO
BLA^{KORs} Regulate Social Stress-Escalated Alcohol Consumption
- 12:15-12:30 **Taylor Templeton, BS**, PhD Student, Department of Physiology, LSUHSC-NO
Bupropion Dose-Dependently Decreases Long-Access Cocaine Self-Administration in Male and Female Rats
- 12:30-12:45 **Anna Whitehead, MS**, MD/PhD Student, Department of Physiology, LSUHSC-NO
Cardiovascular Dysfunction Induced by Combined Exposure to Nicotine Inhalation and High Fat Diet

Afternoon Scientific Session HDC Room 130

- Moderator: **Rajani Maiya, PhD**, Assistant Professor of Physiology, LSUHSC-NO
- 1:00-1:30 **Thomas Sharp, III, PhD**, Assistant Professor, Section of Cardiology, LSUHSC-NO
Alcohol-Mediated Alteration in Gut Microbial Metabolites Drives Cardiovascular Dysfunction
- 1:30-2:00 **Debra Karhson, PhD**, Assistant Professor of Psychology, University of New Orleans
Exploring the Endocannabinoid System in the Etiopathogenesis of Autism Spectrum Disorder
- 2:00-2:15 *Coffee Break*
- 2:15-3:15 *Keynote Address*
Anna Mae Diehl, MD, Professor of Medicine, Division of Gastroenterology; Director, Duke Liver Center, Duke University
Tissue Resiliency Defines Outcomes of Alcohol-Related Injury
- 3:15 *Closing Remarks*
Nicholas Gilpin, PhD, Professor of Physiology, Associate Director of ADACE, LSUHSC-NO