

Retreat, Rethink, Retool: Addiction Science in the Era of New Approach Methods

Organizing Committee: Michael Salling, PhD, Pamela Alonso, PhD, Hannah Kramer, BS

Morning Scientific Session
HDC Room 130

8:30 - 9:00	Registration and Coffee
9:00 - 9:05	Welcome Remarks & Moderator: Michael Salling, PhD, Assistant Professor, Department of Cell Biology and Anatomy, LSUHSC-NO
9:05 - 10:05	Keynote Address Paul Slesinger, PhD, Lillian and Henry M. Stratton Professor of Neuroscience, Mount Sinai <i>A Molecular Approach to Finding Drugs to Treat Alcohol Use Disorder</i>
10:05 - 10:25	Coffee Break
10:25 - 10:50	Corey Rountree, PhD , Head Scientist, 28Bio, New Orleans BioInnovation Center <i>Capturing Human Synaptic Plasticity In Vitro: Organoid Models of Memory and Learning</i>
10:50 - 11:15	Carmen Canavier, PhD , Professor & Department Chair of Cell Biology and Anatomy <i>Computational Modeling of Distinct Subpopulations of Midbrain Dopamine Neurons</i>
11:15 – 11:40	Qi Cai, PhD , Assistant Professor, LSU Department of Biological and Agricultural Engineering <i>Unlocking the Brain: Advanced Strategies for Controllable Blood-Brain Barrier Opening.</i>
11:40 – 11:50	ADACE Member Group Photo – gather in the atrium at the exit of the auditorium

Lunch Featuring Trainee Presentations**11:40 - 12:00 Transition to HDC 335 & self-serve working lunch**

<u>Moderator:</u>	Hannah Kramer, BS, Predoctoral Fellow, Department of Pharmacology, LSUHSC-NO
12:00 - 12:10	Xavier R. Chapa-Dubocq, PhD , Postdoctoral Fellow, Department of Physiology, LSUHSC-NO <i>Traumatic Brain Injury and Ethanol Exposure Differentially Disrupt Mitochondrial Function in the Retro Splenial Cortex</i>
12:15 - 12:25	Thomas Kyllo, PhD , Postdoctoral Fellow, Department of CBA & Physiology, LSUHSC-NO <i>Adolescent Alcohol Exposure Produces Long-term Hyperalgesia and Allodynia in Adult Male and Female Rats</i>
12:30 - 12:40	Meagan Donovan, BS , PhD Candidate, Department of Physiology, LSUHSC-NO <i>Chronic-Plus-Binge Alcohol Exposure Promotes Vascular Stiffness and Diastolic Dysfunction in Aging Mice</i>
12:45 - 12:55	Lei'leh Itayem, BS , MS Candidate, Bioinformatics and Computational Medicine Program, LSUHSC-NO <i>Proteomic Analysis of Cingulate Cortex Systems Regulated by Mifepristone in the Context of Alcohol Dependence</i>

Afternoon Scientific Session**12:55 - 1:00 Transition to HDC Room 130**

<u>Moderator:</u>	Pamela Alonso, PhD, Postdoctoral Fellow, Department of Physiology, LSUHSC-NO
1:00 - 1:25	Patricia Molina, MD, PhD , Professor & Department Head Physiology, ADACE Co-Director <i>Keeping abreast of NIH policies and funding priorities</i>
1:25 - 1:50	Kevin Murnane, PhD , Associate Professor, Pharmacology, Toxicology, & Neuroscience, LSU Health Shreveport <i>Preclinical and Clinical Studies of Psychedelics for methamphetamine Addiction</i>
1:50 – 2:15	Liz Simon, PhD , Associate Professor of Physiology, Co-Director Experimental Core, Comprehensive Alcohol-HIV/AIDS Research Center, LSUHSC-NO <i>Mini-Livers, Major Insights: Developing a 3D Hepatic Spheroid Model for Studying Alcohol and Metabolic Stress</i>
2:15 - 2:35	Coffee Break
2:35 - 3:35	Keynote Address Todd Wyatt, PhD, Professor, UNMC Division of Pulmonary, Critical Care & Sleep Medicine, Co-Director ACORN <i>Impact of Alcohol on Airway Injury from Smoking versus Vaping</i>
3:35 - 3:40	Closing Remarks Nicholas Gilpin, PhD, Professor of Physiology, ADACE Director, LSUHSC-NO