

Mechanisms & Consequences of Psychostimulant Abuse

Morning Scientific Session

- 10:00-10:05 *Welcome Remarks*
Nicholas Gilpin, PhD, Professor of Physiology, Associate Director of ADACE, LSUHSC-NO
- Moderator:** Marcus Weera, PhD, NIAAA F-32 funded Post-doctoral fellow
- 10:05-10:35 *Drosophila as a Model Organism to Study Methamphetamine*
Charles Nichols, PhD, Professor, Department of Pharmacology, LSUHSC-NO
- 10:35-11:05 *Molecular Mechanisms of Methamphetamine-induced Cardiomyopathy Amid the New Wave of METH Crisis*
Shenuarin Bhuiyan, PhD, Asst. Prof., Dept. of Pathology and Translational Pathobiology, LSUHSC-Shreveport
- 11:05-11:15 Break
- 11:15-12:15 **Keynote Address:** *Relapse After Voluntary Abstinence: Behavior and Circuits*
Yavin Shaham, PhD, Senior Investigator, Behavioral Neuroscience Research Branch, Neurobiology of Relapse Section, NIH/NIDA
- 12:15-1:00 Lunch Break
Trainees meet with keynote speaker

Talks by LSUHSC Trainees

- Moderator:** Jonquil Poret, MS, NIAAA F-31 funded graduate student
- 1:00-1:15 *Nicotine E-Cigarette Vapor Inhalation Effects on Nicotine & Cotinine Plasma Levels and Somatic Withdrawal Signs in Adult Male Wistar Rats*
Christian Montanari, PhD, Postdoctoral Fellow, Department of Physiology, LSUHSC-NO
- 1:15-1:30 *Ethanol Alters Expression of PLR Genes in Osteocytes*
Alexandra Denys, MD/PhD NIAAA T-32 trainee, Department of Pharmacology, LSUHSC-NO
- 1:30-1:45 *Angiotensin-II Type 1 Receptor Blockade Ameliorates Chronic Inhaled Nicotine-Induced Pulmonary Hypertension & Right Ventricular Remodeling*
Nicholas Fried, MD/PhD Student, Department of Physiology, LSUHSC-NO
- 1:45-2:00 *Sex-Dependent Effects of Nicotine on the Gut Microbiome*
Anna Whitehead, MD/PhD Student, Department of Physiology, LSUHSC-NO

Afternoon Community Outreach Session

- 2:00-3:30 *Stimulant Abuse – Prevention, Detection and Treatment*
- Moderator:** Carmen Canavier, PhD
- Panelists:** Lindsey Prevost, Director of Prevention, Council on Alcoholism and Drug Abuse, Greater New Orleans
Jennifer Velandar, MD, Chief Medical Officer Odyssey House
Margaret Bishop-Baier, MD, Medical Director, Campus Assistance Program, LSUHSC-NO
- 3:30-3:40 *Concluding Remarks*
Patricia Molina, MD, PhD, Professor & Head of Physiology, Director of ADACE, LSUHSC-NO

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