Program Overview

*All Times are Central Standard

**FRIDAY 5 MARCH 2021**

11:00 AM – 11:05 AM  **Welcome & Opening Remarks** – Charles France, Gregory Collins

11:05 AM – 11:35 AM  **Keynote Lecture:** Carlos Blanco  (Chair: Juan Dominguez)
*Interactions between substance use disorders and COVID-19: implications for research*

11:35 AM – 11:40 AM  Break

11:40 AM – 12:30 PM  **Featured Topics Presentations**  (Chair: Vanessa Minervini)
*Stephanie Strong | Graduate Student | University of Southern Mississippi
Increased mood disorder symptoms, perceived stress, and alcohol use among college students during the COVID-19 pandemic*

*Rodell Barrientos | Postdoctoral Fellow | Henry M Jackson Foundation
Hapten design dictates molecular recognition of vaccine-induced antibodies to drugs of abuse*

*Oanh Luc | Other | McLean Hospital
Effects of ketamine on reward sensitivity in healthy and chronically-stressed rats*

*Kimberly Holter | Graduate Student | Wake Forest School of Medicine
Sex differences in sleep architecture and brain function observed following administration of NMDAR antagonist MK-801*

*Nikki Clauss | Postdoctoral Fellow | UT Health San Antonio
Role of organic cation transporter 3 in the rewarding properties and locomotor sensitizing effects of amphetamine in male and female mice*

*Emily Hilz | Graduate Student | University of Texas at Austin
Modulation of the estrous cycle by hormonal contraceptives influences amphetamine preference and dopamine activity in female rats*

12:30 PM – 1:55 PM  **Interactive Q&A – Video Presentations Viewing**

1:55 PM – 2:00 PM  Break

2:00 PM – 3:00 PM  **Pathways to Career in Science Workshop**

**SATURDAY 6 MARCH 2021**

11:00 AM – 11:05 AM  **Welcome & Introduction of Speakers** – Gregory Collins

11:05 AM – 11:35 AM  **Keynote Lecture:** Patricia Janak  (Chair: Annette Fleckenstein)
*Subcortical brain circuits gate motivation: implications for addiction*

11:35 AM – 11:40 AM  Break

11:40 AM – 12:30 PM  **Featured Topics Presentations**  (Chair: Alison Wakeford)
*Justin Strickland | Postdoctoral Fellow | Johns Hopkins University School of Medicine
Quit discounting: sensitivity to health messages and substance cessation prediction*

*Kathleen McNealy | Graduate Student | University of Nebraska-Lincoln
Sex differences and effects of drug exposure order on the reward-enhancing effects of co-administered nicotine and d-amphetamine*

*Jessica Proulx | Graduate Student | University of North Texas Health Science Center
ER-associated regulation of astrocyte mitochondrial function during (METH)amphetamine exposure*
Faiyaz Omerjee | Graduate Student | California State University, Long Beach
Adolescent Sprague Dawley rats exhibit context-dependent sensitization to low doses of METH while preweanling rats do not in a one-trial paradigm

Hayley Manke | Graduate Student | American University
Effects of a novel tamoxifen-analogue (6C) on methamphetamine-induced neurotoxicity

12:30 PM – 1:55 PM
Interactive Q&A – Video Presentations Viewing

1:55 PM – 2:00 PM
Break

2:00 PM – 3:00 PM
Pathways to Career in Science Workshop

SUNDAY 7 MARCH 2021

11:00 AM – 11:05 AM
Welcome & Introduction of Speakers – Gregory Collins

11:05 AM – 11:35 AM
Keynote Lecture: Jean Bidlack (Chair: Comfort Boateng)
Pharmacological properties of the combination of samidorphan and buprenorphine

11:35 AM – 11:40 AM
Break

11:40 AM – 12:30 PM
Featured Topics Presentations (Chair: Lee Gilman)

Jory Crull | Graduate Student | Medical University of South Carolina
Patient-level perspectives on the use of novel psychotherapeutics for the treatment of substance use disorders

Hannah Alton | Undergraduate Student | McLean Hospital/Harvard Medical School
Serotonin 2A- or 2C-like discriminative stimulus effects of serotonin agonists in nonhuman primates

Hudson Roth | Postdoctoral Fellow | NIH/NIDA
Potential G-protein biased ligands with nitrogen-containing substituents at C9 in the 5-(3-Hydroxyphenyl)morphin class of opioids

Shawn Flynn | Graduate Student | UT Health San Antonio
Discriminative stimulus effects of mu opioid receptor agonist mixtures

Indu Mithra Madhurathakam | Graduate Student | Rowan University
Synergistic antihyperalgesic and antinociceptive effects of morphine and MP-III-024, a positive allosteric modulator at a2GABAA and a3GABAA receptors

Chad Johnson | Faculty | University of Maryland, Baltimore
Novel muscarinic antidepressants that lack cognitive deficits: some insights into key structural features of muscarinic agonists and antagonists

12:30 PM – 2:00 PM
Interactive Q&A – Video Presentations Viewing

2:00 PM – 2:10 PM
Closing Remarks & Awards – Brett Ginsburg, Charles France
*Award winners must be present to accept prize