Program Overview

*All Times are Central Standard

**FRIDAY 5 MARCH 2021**

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

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 T 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 Wakefield)

  **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 preweaning rats do not in a one-trial paradigm*

Apoorva Vashisht | Graduate Student | City University of New York
*Environmental enrichment reduces cue-induced reinstatement of heroin-seeking in male and female rats after prolonged periods of forced abstinence*

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)morphan 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*