

## 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*

# 2021 Behavior, Biology, and Chemistry: Translational Research in Addiction

**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)morphinan 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  $\alpha 2$ GABAA and  $\alpha 3$ GABAA 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