2024 Behavior, Biology, and Chemistry: Translational Research in Substance Use Disorders

Program Overview

FRIDAY 22 MARCH 2024
3:00 PM – 6:00 PM Registration – Embassy Landmark, Bluebonnet Foyer
4:00 PM – 6:00 PM Pathways to Careers in Science Workshop – Embassy Landmark, Bluebonnet AB
6:00 PM – 8:00 PM BBC Opening Reception and Networking – Embassy Landmark, Bluebonnet Foyer

SATURDAY 23 MARCH 2024
8:00 AM – 8:05 AM Welcome and Opening Remarks
8:05 AM – 10:05 AM Plenary Symposium: Chair: Gregory Collins
Targeting orexin systems for the treatment of sleep and substance use disorders
Daniel Rosenbaum | UT Southwestern Medical Center
Orexin receptor structural biology and its use in drug discovery
Yanan Zhang | Research Triangle Institute
Sleep and addiction: Development of orexin receptor modulators
Stephanie Borgland | University of Calgary
Co-release of orexin and dynorphin in the modulation of VTA dopamine neurons and opioid seeking
Andrew Huhn | Johns Hopkins University School of Medicine
Orexin antagonist effects on sleep and stress during opioid withdrawal
10:05 AM – 11:35 AM Poster Session and Refreshments
11:35 AM – 12:50 PM Lunch & Learn: Panel Discussion Chair: Lindsey Galbo-Thomma
Speaking up for animal research
Angélique Colby | University of Texas Health Science Center at San Antonio
James Elliott | University of Texas Health Science Center at San Antonio
Michael Nader | Wake Forest University School of Medicine
12:50 PM – 2:20 PM Open Oral Communications I Chairs: Jacques Nguyen and Mia Allen
2:20 PM – 3:50 PM Poster Session II and Refreshments
3:50 PM – 5:20 PM Open Oral Communications II Chairs: Brent Kisby and Alessandro Bonifazi
5:20 PM – 5:30 PM Refreshment Break
5:30 PM – 6:30 PM Special Lecture Chair: Mark Smith
Rita Valentino | National Institute on Drug Abuse
The neuroscience of addiction
6:30 PM – 7:30 PM Cocktail Hour and Poster Viewing
7:30 PM – 9:30 PM Dinner and Science Trivia

SUNDAY 24 MARCH 2024
7:45 AM Travel Awardee Group Photo
8:00 AM – 9:15 AM Open Oral Communications III Chairs: Brenda Gannon and Cristina Rivera Quiles
9:15 AM – 9:25 AM Refreshment Break
9:25 AM – 10:40 AM Open Oral Communications IV Chairs: Zijun Wang and Lindsey Galbo-Thomma
10:40 AM – 10:50 AM Refreshment Break
10:50 AM – 11:50 AM Special Lecture Chair: Rajeev Desai
Nurulain (Nur) Zaveri | Astraea Therapeutics
Targeting the α3β4 neuronal nicotinic acetylcholine receptors for nicotine and other substance use disorders: Rationale, preclinical validation and progress towards clinical translation
11:50 AM – 12:05 PM Travel and Presentation Awards
12:05 PM – 1:15 PM Lunch and Adjournment