8:00 – 8:25  
Registration and breakfast

8:25 – 8:30  
Welcoming remarks
Drake Morgan, University of Florida, Department of Psychiatry, Division of Addiction Medicine, ISGIDAR President

8:30 – 8:50  
The effects of social learning on the acquisition of drug self-administration
Ryan T. Lacy, Justin C. Strickland, and Mark A. Smith, Davidson College

8:50 – 9:10  
The effects of naloxone on reacquisition of heroin self-administration in rats
Francesco Leri, University of Guelph

9:10 – 9:30  
Enhancing face and predictive validity of animal models of cocaine self-administration
Paul W. Czoty and Michael A. Nader, Wake Forest University

9:30 – 9:50  
Assessment of abuse potential of developmental compounds: regulatory perspective
Beatriz Rocha, Covance Global Regulatory Strategy

9:50 –10:10  
FDA draft guidance on abuse deterrent opioids - limiting reinforcing effects by slowing speed of delivery to the brain: implications for in vitro, nonclinical and clinical abuse liability assessment
Jack E. Henningfield, August R. Buchhalter, Edward J. Cone, Reginald R. Fant, Sid S. Schnoll, The Johns Hopkins University School of Medicine and Pinney Associates

10:10 –10:30  
Changeover response as choice: some determinants
Richard A. Meisch and Thomas H. Gomez, University of Texas Medical School at Houston

10:30 – 10:45  
Coffee break

THE WILLIAM L. WOOLVERTON MEMORIAL SYMPOSIUM

10:45 – 12:15  
Bill and Merigold’s Monkey Lounge
Michael A. Nader, Wake Forest University

- Bill’s Other Hat: Dopamine Receptor Subtypes and Self-Administration since Woolverton, Goldberg, and Ginos (1984)
- James K. Rowlett, University of Mississippi

- Bill Woolverton and the study of drugs as punishers
  Kevin B. Freeman, University of Mississippi

- Kappa Agonists as Punishers in Non-Human Primates and Rats
  Jennifer E. Naylor, University of Mississippi

- Recognizing the Translational Implications of Choice Research Conducted by William L. Woolverton, PhD
  Craig R. Rush, University of Kentucky
12:15 – 1:30 Lunch – sponsored by GRUNETHAL

1:30 – 1:50 Reinforcing and punishing effects of nicotine  
Gail Winger, Nhu Truong, James H. Woods, and Mikhail Koffarnus, University of Michigan

1:50 – 2:10 Reinforcing effects and substitutability of cigarettes and e-cigarettes using hypothetical behavioral economic demand assessment  
Olga Rass, Lauren R. Pacek, Patrick S. Johnson, and Matthew W. Johnson, The Johns Hopkins University School of Medicine

2:10 – 2:30 Early environmental or cognitive intervention on methamphetamine dependence  
Xingxing Li, Wenhui Zheng, Kunya Huans, Wenhua Zho, and Yu Liu, Ningbo University School of Medicine

**STUDENT TRAVEL AWARD WINNERS**

2:30 – 2:50 Nicotine self-administration in monkeys: effects of varenicline and mecamylamine  
Sarah Kromrey, Robert Gould, Susan Nader, and Michael Nader, Wake Forest University  
ISGIDAR Travel Award Winner (sponsored by Richard Foltin and Suzette Evans)

2:50 – 3:10 Effects of buspirone and the dopamine D3 partial agonist PG619 on cocaine and methamphetamine self-administration in rhesus monkeys  
William S. John, Amy H. Newman, and Michael A. Nader, Wake Forest University  
William L. Woolverton Memorial Travel Award Winner

3:10 – 3:20 Coffee break

3:20 – 3:40 Effects of daily self-administered methamphetamine on learning-to-learn and cognitive flexibility in the nonhuman primate  
Brian D. Kangas, McLean Hospital, Harvard Medical School

3:40 – 4:00 Chronic inflammatory pain impacts opioid self-administration through an accumbal dopaminergic mechanism  
Shanthi Mogali, Lucia Hipolito, Elaine Zhong, Jose Gonzalez-Romero, Laszlo Virag, Robert Whittington, Sandra Comer, Michael Bruchas, Jose A. Morón, Columbia University

4:00 – 4:20 Psilocybin abuse liability assessment: implications for scheduling if FDA approves psilocybin for medical use  

4:20 – 4:40 Some stimulus properties of arecoline  
James H. Woods, University of Michigan

4:40 – 5:00 Nancy K. Mello Memorial  
Barak Caine, McLean Hospital, Harvard Medical School

5:00 – 9:00 Business meeting