



**Center for Addiction
Research & Education**

UNIVERSITY of FLORIDA

**11th Annual
ADDICTION SYMPOSIUM
Novel Methodologies in Addiction Science**

**Monday, April 8th, 2024
University of Florida, McKnight Brain Institute**



**New Frontiers for Unraveling the
Neural Circuit Underpinnings of
Substance Use Disorders**

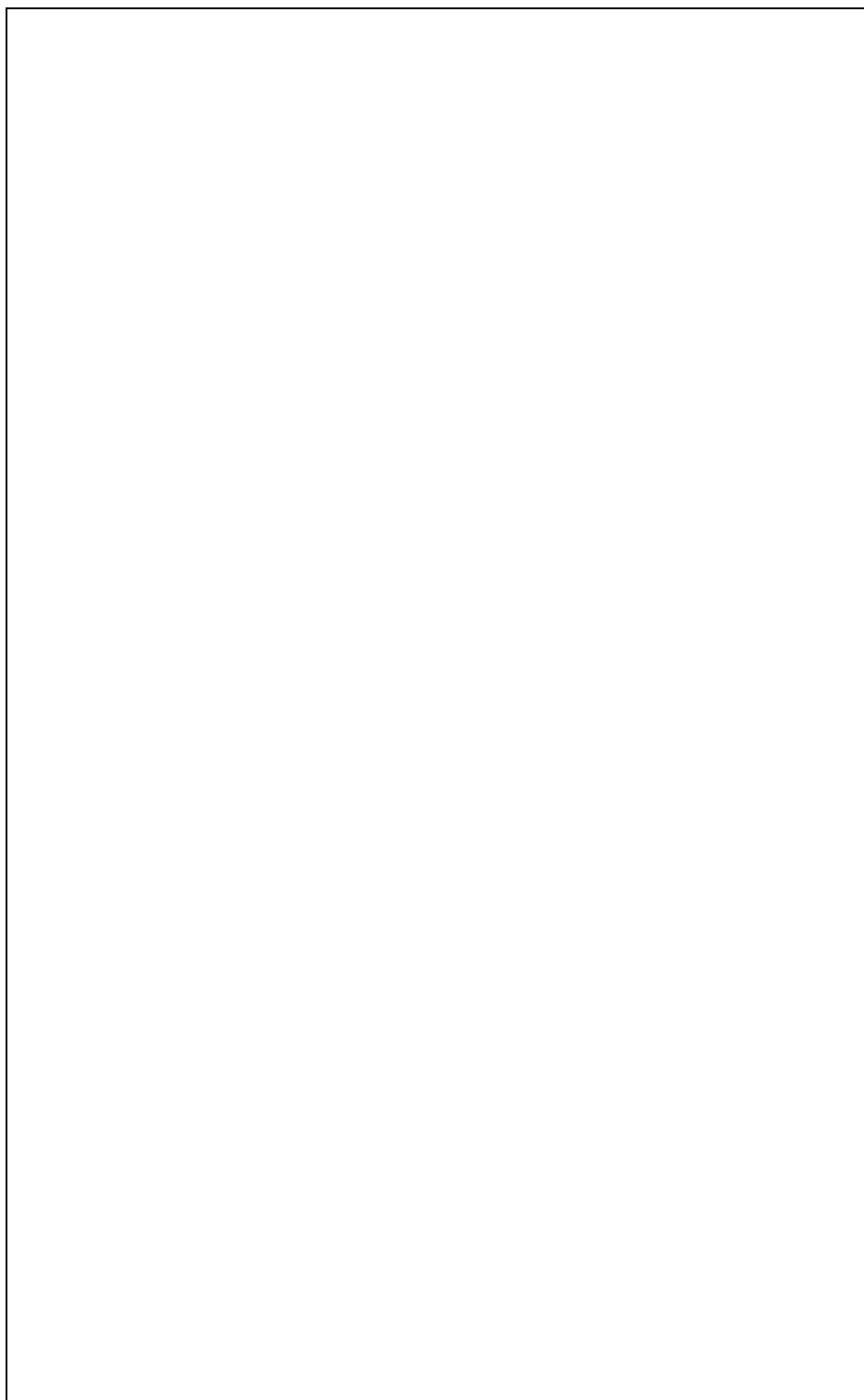
James M. Otis, PhD
Associate Professor
Department of Neuroscience,
Medical University of South Carolina

**Better Accuracy for Better Science...
Through Random Conclusions**

Clinton P. Davis-Stober, PhD
Professor
Department of Psychological Sciences,
University of Missouri



**Scientific Panels, 8:45-11:25
Career Development Roundtables, 11:35-12:35
Keynote Speakers, 1:00-3:10
Poster Session (HPNP Atrium), 3:30-5:00**



Monday, April 8th, 2024

*Evelyn F. and William L. McKnight Brain Institute
DeWeese Auditorium*

8:00 am Coffee & Registration: MBI Foyer

8:30 am **Welcome: DeWeese Auditorium (LG-101)**

Sara Jo Nixon, PhD

Distinguished Professor

Departments of Psychiatry, Neuroscience &
Psychology,

Director, UF CARE

8:45 am **Concurrent Panels: Session 1**

**Panel A: Risks and Benefits of Cannabinoids -
Clinical and Preclinical Perspectives**

Room LG-101

**Panel B: Adolescent/Emerging Adult Substance
Use: Understandings Risk, Prevention, and
Treatment**

Room L4-101

10:10 am **Concurrent Panels: Session 2**

**Panel A: Genomic and Epigenetic Advances in
Substance Use Disorders**

Room LG-101

**Panel B: The 'E' in CARE: Addiction Education
at the University of Florida and in the
Gainesville Community**

Room L4-101

11:35 am **Lunch & Round Table Discussions**

Boxed lunches (if reserved) outside of LG-101

Getting an Academic Job/Getting a Grant

Room LG-101

Work/Life Integration

Room L2-101

**Effective Mentoring and Outreach for Promoting
Trainee and Colleague Success**

Room L4-101

*Evelyn F. and William L. McKnight Brain Institute
DeWeese Auditorium*

- 12:45 pm **Overview of the UF Center for Addiction
Research & Education**
Sara Jo Nixon, PhD
Director, UF CARE
- 1:00 pm **New Frontiers for Unraveling the Neural Circuit
Underpinnings of Substance Use Disorders**
James M. Otis, PhD
Associate Professor
Department of Neuroscience,
Medical University of South Carolina
- 2:05 pm **Better Accuracy for Better Science...
Through Random Conclusions**
Clinton P. Davis-Stober, PhD
Professor
Department of Psychological Sciences,
University of Missouri

*Health Professions/Nursing/Pharmacy (HPNP) Building
Atrium*

- 3:30 pm **Poster Session**
For poster titles & presenting authors see end of
program (listed by poster board number)

James Otis, PhD



Dr. James Otis is an Associate Professor in the Department of Neuroscience at the Medical University of South Carolina (MUSC). His laboratory seeks to understand how neural circuits guide motivated behavioral states in health and disease, with a primary focus on substance use disorders. To approach this objective, his lab develops novel behavioral paradigms for rodents that enable state-of-the-art tools to be applied for the study of reward- and addiction-related behaviors, such as two-photon calcium imaging, single-cell holographic optogenetics, and spatial transcriptomics. In addition to his scientific endeavors, Dr. Otis has a strong interest in mentorship and training of others. He co-developed the MUSC Internship for Distinguished Scholars (MINDs) program, which provides financial support for students at the university and postbaccalaureate levels who wish to gain experience in neuroscience research but may not have the means to do so.

Clinton Davis-Stober, PhD



Dr. Davis-Stober is a Professor of Psychological Sciences and a Core Faculty member of the Institute for Data Science and Informatics at the University of Missouri. He holds a PhD in Quantitative Psychology and an M.S. in Mathematics from the University of Illinois at Urbana-Champaign. Dr. Davis-Stober is a quantitative and mathematical psychologist that specializes in decision theory.

His primary research topic is the development and evaluation of mathematical models of individual and group decision-making. His recent work examines how individuals integrate multiple pieces of information when making a decision and the rationality of various decision strategies.

Panel Session 1: 8:45am – 10:00am

Panel A: Risks and Benefits of Cannabinoids - Clinical and Preclinical Perspectives

Room LG-101

Panel Chair: Marek Schwendt, PhD, University of Florida

Uncovering neural and behavioral consequences of oxycodone-THC co-use in a rat model

Marek Schwendt, PhD, University of Florida

Is the grass really greener? An event-level examination of medical cannabis in older adults

Robert Dvorak, PhD, University of Central Florida

Early results on how medical cannabis impacts health outcomes from a prospective cohort of older adults with chronic pain

Yan Wang, PhD, University of Florida

Health and behavioral consequences of perinatal cannabidiol exposure in mice raised to adult

Debra Fadool, PhD, Florida State University

Panel B: Adolescent/Emerging Adult Substance Use: Understandings Risk, Prevention, and Treatment

Room L4-101

Panel Chair: Andrew Moore, BS, University of Florida

Identification of prospective predictors of alcohol initiation during early adolescence

Andrew Moore, BS, University of Florida

Equitable approaches: Discussing motivational interview as an intervention strategy for alcohol use in racial and ethnically diverse youth

María Eugenia Contreras Pérez, MS, Florida International University

Formative research informing expansion of the uSafeUS® mobile app to reduce alcohol-involved sexual assault on college campuses

Nichole Scaglione, PhD, University of Florida

Discussant: Michael Dunn, PhD, University of Central Florida

Panel Session 2: 10:10am – 11:25am

Panel A: Genomic and Epigenetic Advances in Substance Use Disorders

Room LG-101

Panel Chair: Freddyson Martinez-Rivera, PhD, University of Florida

Behavioral and transcriptional approaches toward understanding the role of microglia in methamphetamine-taking and relapse
Alexander Margetts, PhD Candidate, University of Miami

Sex-specific role of methylcytosine dioxygenase TET1 in dopamine 1 receptor expressing medium spiny neurons in addiction

Haiyang Xu, PhD, Florida State University

Alcohol consumption meta-analysis by the Latin American Genomics Consortium

Paola Giusti-Rodriguez, PhD, University of Florida

Transcriptional programs of cocaine withdrawal vs extinction within nucleus accumbens

Freddyson Martinez-Rivera, PhD, University of Florida

Panel B: The 'E' in CARE: Addiction Education at the University of Florida and in the Gainesville Community

Room L4-101

Panel Chair: Liana Hone, MPH, PhD, University of Florida

Part I - Covering the continuum: Substance use prevention/intervention/recovery efforts in UF student life
Jonah Neville, MS, CHES, CWHC, University of Florida

Part II - Covering the continuum: Substance use prevention/intervention/recovery efforts in UF student life
Stefanie Jasper Romie, MS, LMHC, University of Florida

The Gainesville Community Overdose Prevention Plan Project
Brandy Stone, MPH, CPH, Gainesville Fire Rescue

Lunch & Roundtable Discussions:

11:35am – 12:35pm

Getting an Academic Job/Getting a Grant

Room LG-101

Liana Hone, MPH, PhD

Assistant Professor

Department of Health Education & Behavior, University of Florida

Mohamed Kabbaj, PhD

Professor

Department of Biomedical Sciences, Florida State University

Emily Salivar, PhD

Assistant Professor

Department of Clinical and School Psychology, Nova
Southeastern University

Work/Life Integration

Room L2-101

Lisa Merlo, PhD

Associate Professor

Department of Psychiatry, University of Florida

Rob Schlauch, PhD

Associate Professor

Department of Psychology, University of South Florida

Michael Dunn, PhD

Associate Professor

Department of Psychology, University of Central Florida

Effective Mentoring and Outreach for Promoting Trainee and Colleague Success

Room L4-101

Eric Wagner, PhD

Professor

School of Social Work, Florida International University

Catalina Lopez-Quintero, MD, PhD

Assistant Professor

Department of Epidemiology, University of Florida

**UF CARE Programs & Activities
Are Supported By**

McKnight Brain Institute

College of Medicine, Office of Research

Department of Psychiatry

College of Liberal Arts & Sciences

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Donations (see website for Donation “button”)

Also thank you to colleagues from other
Florida institutions for planning & participation:

Florida State University*

Florida International University*

Nova Southeastern University

University of Central Florida*

University of Miami

University of South Florida*

**Planning Committee Members*

**Special Thanks to the
McKnight Brain Institute for
Conference Support!**

For more information see
addictionresearch.health.ufl.edu



Poster Session

1. *Disentangling the Effects of Abstinence and Treatment on Improvements in Pain and Sleep in Substance Use Disorder*
Kate Aldinger, University of Florida
2. *The Role of Bicultural Self-Efficacy on Alcohol Behaviors among Hispanic/Latinx Young Adult Drinkers*
Sabrina Almeyda, University of Central Florida
3. *Novel Psilocybin Derivative Without Hallucinogenic Liability Modulates Alcohol Seeking Behavior In Male C57BL/6J Mice*
Jude Bayyat, University of South Florida
4. *Elucidating Organization of Midbrain Dopaminergic Input to the Ventral Striatum*
Anamaria Cotelo, University of Florida
5. *Chronic Intraperitoneal Oxytocin Augments Demand Elasticity for Oxycodone Self-Administration in Male but not Female Sprague Dawley Rats*
Harrison Blount, University of Florida
6. *HIV Reduces GABAergic Plasticity During Alcohol Reduction*
Mark Britton, University of Florida
7. *Revisiting Internalizing Pathways to Substance Use in the Era of Social Media*
Manuel Bruzos, Florida International University
8. *Sex Differences in Nicotine Intake and Withdrawal in Adult Wistar Rats*
Lara Caglayan, University of Florida
9. *Prenatal Alcohol Exposure and Circadian-sleep Disruptions Impair Growth and Neurodevelopment in C57BL/6J Mice Offspring*
Genesis D'aloisio, University of South Florida

10. *Behavioral Economic Analysis of Δ 9-THC and Oxycodone Co-Use in a Rat Model*
Katherine Driver, University of Florida
11. *The Role of Drinking Contexts in Sexual Violence among Sex and Gender Diverse Women Aged 18-34*
Caroline Eaton, University of Florida
12. *Developing Orally-Active Kappa Opioid Receptor Antagonists as Therapeutics to Prevent Stress-Induced Cocaine Reinstatement*
Caroline Eggers, University of Florida
13. *Validity of the Obsessive Compulsive Drinking Scale in Russian Heavy Drinkers*
Pedepo Emmanuel, University of South Florida
14. *Preliminary Results of a Quasi-Experimental Examination of Alcohol Use and Negative Consequences on Home and Away College Football Games Compared to Non-Game Days*
Hannah Engle, University of Florida
15. *Qualitative Exploration of Drinking Motives Reported on an MI Session With Underrepresented Young Adults Engaging In Heavy Drinking*
María Eugenia Contreras Pérez & Amanda Gonzalez, Florida International University
16. *Pain in Early Abstinence Predicts Treatment Dropout Among Individuals with Alcohol Use Disorder*
Hugh Fariior, University of Florida
17. *Cognitive Mechanisms of Subjective Value in Health Outcomes*
Anderson Fitch, University of Florida
18. *An Early Exploration into Individuals in Treatment Who Co-Use Alcohol and Hallucinogens*
Ivy Fitzsimons, University of Florida

19. *Negative Allosteric Modulation of the μ -Opioid Receptor: A Novel Mechanism for Preventing Opioid Overdose Death*
Haylee Hammond, University of Florida
20. *Exploring the Effects of Kava On Anxiety Measures In The Elevated Plus Maze*
Guido Huisman, University of Florida
21. *Sex differences in the effects of chronic alcohol and social isolation on ketamine intake, dendritic spines, and synaptic proteins*
Dollie Jennings, Florida State University
22. *A Dopaminergic System Promoting Sniffing*
Natalie Johnson, University of Florida
23. *The Effects of Sex and Orbitofrontal Cortex Inhibition on Cocaine-Seeking in a Voluntary Abstinence Model*
Cassidy Jones-Goucher, University of Florida
24. *Addiction and Patient Care: A Novel Instrument to Assess Attitudes and their Change Across Treatment Among Impaired Professionals*
Simran Lamba, University of Florida
25. *Access to Medical Cannabis among Adolescents in the US: Results form the Adolescent Brain Cognitive Development Study*
Catalina Lopez-Quintero, University of Florida
26. *A Machine Learning Approach to Predict Dropout from Residential Treatment for Substance Use Disorder*
Apollonia Lysandrou, University of Florida
27. *Changing Social Alcohol Expectancies: Preliminary Findings from ecalc and ecalc+ Interventions*
Shane Marohnic, University of Central Florida

28. *Sexual Activity and Sexual Well-being Among Sober Adults: The Role of Sobriety Stigma*
Abigail Masterson, University of Florida
29. *Boosting Expectancy Changes: Assessing Long-Term Effects of the Expectancy Challenge Alcohol Literacy Curriculum*
Melissa Manning, University of Central Florida
30. *Role of NAc-projecting PL neurons in cocaine reinstatement after cocaine+alcohol PSU*
Javier Mesa, University of Florida
31. *Impact of Prenatal Methamphetamine Exposure on Dopaminergic Neuroimmune Interactions*
Emily Miller, University of Florida
32. *Investigation of Sex-Specific Anxiety-Like and Meth-Seeking Behaviors in Rats with a History of Predator Scent Stress*
Cassandra Modrak, University of Florida
33. *Delta Opioid Receptor Bitopic Ligand VRB86C Produces Biased Partial Agonism, Safer Analgesia, and Reduces Voluntary Ethanol Consumption*
Sloane Murphy, University of Florida
34. *Comparative Analysis of Dopamine Neuron Activity in Pavlovian Versus Non-Contingent Methamphetamine Exposure*
Leah Phan, University of Florida
35. *FosTRAP for Targeting Stress-Sensitive Neuronal Ensembles in the Ventromedial Prefrontal Cortex*
Samantha Rakela, University of Florida
36. *The Role of Acculturation, Discrimination, and Bicultural Self-Efficacy on Alcohol Problems among Hispanic/Latinx Drinkers*
Anthony Ramos, University of Central Florida

37. *Adolescent Media/Technology Engagement and Substance Use Behavior: Baseline Findings From a Multi-Burst Ecological Momentary Assessment Study*
Mariah Ravet, University of Florida
38. *Behavioral Economic Interactions Between Cannabis and Delta-8: Pilot Data*
Maribel Rodriguez Perez, University of Florida
39. *The Relationship between Drinking Context and Sexual Risk Perception among Bisexual Women*
Taylor Rohleen, University of Florida
40. *Molecular Mechanisms Associated with Behavioral Sensitization to Intermittent Ketamine in Rats*
Samantha Saland, Florida State University
41. *Simultaneous Intravenous Cocaine and Alcohol Self-Administration alters the motivation to Seek Cocaine and Associated Neurobiology*
Alexandra Sanchez, University of Florida
42. *The Association Between Social Determinants of Health and Lifetime Nonmedical Prescription Opioid Use among Older Adults in the NIH All of Us Research Program*
Vijaya Seegulam, University of Florida
43. *Dopamine, behavior, and functional network topological measures in the APP-PS1 mouse model of amyloidosis*
Zachary Simon, University of Florida
44. *The Prelimbic Cocaine Self-Administration Acquisition Engram Mediates Well-Trained Cocaine Seeking*
Bo Sortman, University of Florida
45. *Effects of Concurrent Cannabis on Cocaine Use and Relapse in Sprague Dawley Rats*
Taylor Thomson & Madison Halcomb, University of Florida

46. *Characterizing Substance Use Among Conventional vs Pre-Release Residential Treatment Facilities*
Odelia Tiutyama, University of Florida
47. *Rational Design of the Mu Opioid Receptor Agonist, LG94, Introduces a Bias for G-protein Cellular Signaling and Analgesia with Reduced Clinical Liabilities in Mice*
Bowen Tsai, University of Florida
48. *Examining the Relationship Between Obsessive-Compulsive Symptoms and Substance Use Disorder (SUD) Outcomes in a Treatment Population*
Joshua Valan, University of Florida
49. *Adult Roles, Impulsive Decision-Making, and Maturing Out Of Binge Drinking*
Justin Van Heukelom, University of Florida
50. *The Role of Discrimination and Alcohol Use Behaviors on Alcohol Pathology among Hispanic/Latinx Gender Minorities*
Isidora Vasquez Collao, University of Central Florida
51. *Age-Related Differences in Pain and Sleep among Individuals in Treatment for Substance Use Disorders*
Allison Vollmer, University of Florida
52. *Sex-Specific Effects of Predator Scent Stress on Oxycodone Self-Administration*
Courtney Wilkinson, University of Florida
53. *Sleep and Circadian Rhythm Disruptions (SRCDs) Underlying Alcohol Use Relapse*
Asif Zaarur, University of South Florida

The UF CARE 2024 Symposium Committee

Ben Lewis (Chair) (Psychiatry-COM)
Barry Setlow (Co-Chair) (Psychiatry-COM)
Joy Gabrielli (Clinical and Health Psychology-PHHP)
Marek Schwendt (Psychology-CLAS)
Liana Hone (Health Education & Behavior-HHP)
Dan Wesson (Pharmacology & Therapeutics-COM)
Katherine Gonzalez (Neuroscience-COM)

***Special Thanks to
Meagan Sullivan,
UF CARE Administrator***

***THANK YOU FOR MAKING THIS EVENT
HAPPEN***

