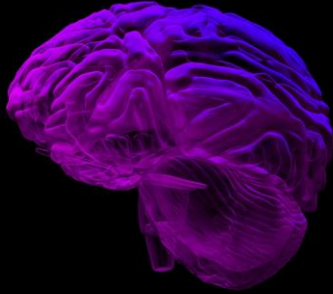


2017



THE NATIONAL INSTITUTE ON DRUG ABUSE &
THE NATIONAL INSTITUTE ON ALCOHOL ABUSE AND ALCOHOLISM
PRESENT

FRONTIERS IN ADDICTION RESEARCH

NIDA-NIAAA Mini-Convention

Friday, November 10, 2017 • 8:00 AM – 6:00 PM

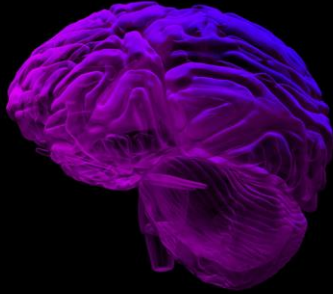
Walter E. Washington Convention Center – Room 207A • Washington, DC



Agenda

- Chairs:** **Roger Sorensen**, Ph.D., National Institute on Drug Abuse [NIDA]
John Matochik, Ph.D., National Institute on Alcohol Abuse and Alcoholism [NIAAA]
- 8:00 – 8:10 a.m. **Introduction and Opening Remarks**
Rita Valentino, Ph.D., NIDA and **Antonio Noronha**, Ph.D., NIAAA
George Koob, Ph.D. Director, NIAAA and **Nora D. Volkow**, M.D., Director, NIDA
- 8:10 – 10:10 a.m. **Session I. Understanding the Role of Astrocytes in Nervous System Function**
Chairs: **Roger Sorensen**, Ph.D., NIDA
Anne Tsai, Ph.D., NIDA
- Speakers:**
Baljit Khakh, Ph.D., *University of California, Los Angeles*
Astrocyte Structure/Microcircuitry and Function
- Kathryn Reissner**, Ph.D., *University of North Carolina*
Astrocyte-mediated Mechanisms of Cocaine Seeking
- Congwu Du**, Ph.D., *State University of New York at Stony Brook*
Cocaine: Neuronal, Vascular and Glial Effect
- Alfonzo Araque**, Ph.D., *University Minnesota*
Dopamine-evoked Synaptic Regulation in the Brain Reward System Requires Astrocyte Activity
- 10:10 – 10:20 a.m. *Break*
- 10:20 – 11:40 a.m. **Jacob P. Waletzky Memorial Award Lecture**
Chairs: **Nora Volkow**, M.D., NIDA
George Koob, Ph.D., NIAAA

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11:40 a.m. – 12:40 p.m. **Joint NIDA-NIAAA Early Career Investigator Showcase [ECIS]**

Chairs: John Matochik, Ph.D., NIAAA

Roger Little, Ph.D., NIDA

Carolina Haass-Koffler, PharmD, Brown University

Development of Novel Corticotropin Releasing Factor Binding Protein Allosteric Modulators

Leon Coleman, Jr., M.D., Ph.D., University of North Carolina at Chapel Hill

HMGB1 Immune Complexes Regulate Immune Responses to Alcohol

Hsiao-Ying (Monica) Wey, Ph.D., Massachusetts General Hospital, Harvard Medical School

Measuring Agonist-induced μ -Opioid Receptor Desensitization in Vivo with PET/MRI

Kristen Pleil, Ph.D., Weill Cornell Medicine

Sex Differences in Limbic Circuit Modulation of Alcohol Drinking and Anxiety

Cassandra Gipson-Reichardt, Ph.D., Arizona State University

Targeting Glial Glutamate Transport and Neuroinflammation to Inhibit Nicotine Relapse

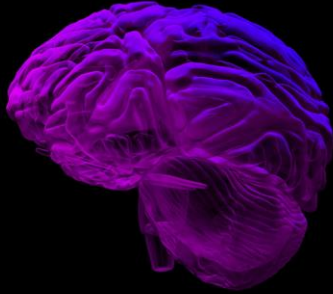
Alan Prossin, M.D., McGovern Medical School, University of Texas Health Science Center at Houston

Placebo-induced Central μ -opioid Receptor Activation Modulates Plasma IL-18 Concentration in Pain States in Humans

12:40 – 1:30 p.m.

Lunch (On Your Own)

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1:30 – 3:30 p.m.

Session II. Social Stressors, Immune Response and Substance Use Disorders

Chairs: Da-Yu Wu, Ph.D., NIDA

Soundar Regunathan, Ph.D., NIAAA

Speakers:

Susan Andersen, Ph.D., McLean Hospital/Harvard Medical School

The Effects of Stress on the Developing Prefrontal Cortex: Parallels Between Humans and Animals and How Stress, Immune Dysfunction, and Timing Influence Psychiatric Disorders and Addiction.

Nicholas Gilpin, Ph.D., LSU School of Medicine

Endocannabinoid (eCB) Regulation of Escalated Alcohol Drinking after Stress & Withdrawal

Jeffrey Weiner, Ph.D., Wake Forest School of Medicine

Adolescent Social Isolation: A Rodent Model of Vulnerability to Alcohol Use Disorder and Comorbid Anxiety/Stressor Disorders

Scott Russo, Ph.D., Mount Sinai

Influence of the Immune System on Reward Circuitry: Implications for Addiction and Depression.

3:30 – 3:45 p.m.

Break

3:45 – 5:45 p.m.

Session III. Novel Approaches for Translational Research and Drug Discovery

Chairs: Changhai Cui, Ph.D., NIAAA

Steve Grant, Ph.D., NIDA

Speakers:

Lihong Wang, Ph.D., California Institute of Technology

Photoacoustic Tomography: Omniscale Imaging from Organelles to Patients by Ultrasonically Beating Optical Diffusion

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Sarah H. Lisanby, Ph.D., National Institute of Mental Health

Non-invasive Brain Stimulation for Clinical Research and Treatment

Christopher Evans, Ph.D., University of California, Los Angeles

Circuitry Involved in Opioid Reinforcement and Aversive States.

Adron Harris, Ph.D., University Texas at Austin

Connecting Gene Networks to Drug Discovery for Alcohol use Disorders

5:45 – 6:00 p.m.

Discussion and Wrap-up

George Koob, Ph.D. Director, NIAAA

Nora D. Volkow, M.D., Director, NIDA

6:00 p.m.

Adjournment