



Brain Awareness

Virtual Common Hour

Lecture Series



Monday 03/11/24 (1:30pm-2:30pm)

Presenter: Dr. Kelly E. Dunn
Dept. of Psychiatry and Behavioral
Sciences
Johns Hopkins University
School of Medicine



Title: *Scientific Approaches to Understanding And Treating Opioid Addiction*

Description: The talk will review human laboratory studies and randomized clinical trials conducted by the Maryland Opioid Research team at Johns Hopkins University that work to identify ways to predict the risk for opioid addiction as well as novel medication treatment strategies.

<https://suny-ow-edu.zoom.us/j/6898780793>

Discussant:
Neuro-Psych Club Member

Tuesday 03/12/24 (1:30pm-2:30pm)

Keynote Presenter:
Dr. Ryan Vandrey
Behavioral Pharmacology
Research Unit
Johns Hopkins University
School of Medicine



Title: *Using Human Laboratory Science to Inform Cannabis Policy And Clinical Decision-Making*

Description: This keynote presentation will cover an ongoing hot topic in the field on cannabis science and its influences on policy and clinical decision-making. The talk will cover an array of human laboratory experiments in which we administer cannabis products that differ by dose, route of administration, and chemical composition to healthy adults. The results of these studies show that there are many

factors that influence acute responses to cannabis, that detection of impairment is challenging, and there is a fairly narrow dose window between positive and adverse effects.

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Discussant:
Neuro-Psych Club Member

Wednesday 03/13/24 (1:30pm-2:30pm)

Presenter: Dr. William W. Stoops
Dept. of Behavioral Science,
Psychiatry and Psychology
University of Kentucky



Title: *Screening Potential Cocaine Pharmacotherapies in The Human Laboratory*

Description: Cocaine Use Disorder presents an enduring public health problem. Human laboratory research has developed and validated models to screen potential cocaine pharmacotherapies to accelerate treatment development. This talk will provide an overview of human laboratory research on the clinical neuropharmacology of cocaine and promising avenues for cocaine medication development.

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Discussant:
Neuro-Psych Club Member

Thursday 03/14/24 (1:30pm-2:30pm)

Presenter:
Dr. Anne M. Morse, DO, FAASM
Director, Child Neurology &
Pediatric Sleep Medicine
Geisinger Commonwealth School of
Medicine & Medical Center



Title: *Sleeping Your Way to Better Neurology Outcomes*

Description: The talk will offer an understanding of the basic principles contributing to the control of the sleep wake process, evaluate the neurodevelopmental changes of sleep, and consider the role of sleep as a tool for management in neurologic disease

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Discussant:
Neuro-Psych Club Member

Friday 03/15/24 (12:00pm-1:00pm)

Presenter:
Dr. Zaghoul Ahmed
Dept. of Neuroscience & Physical
Therapy
The College of Staten Island of The
City University of New York



Title: *Applied Electrical And Ionic Currents in The Nervous System Repair And Healing*

Description: The talk will discuss electrical and ionic currents covering a theoretical perspective, to evidence-based basic research with animal models, and culminating in an applied translational biomedical non-invasive intervention to treat human patients with motor disorders (e.g., cerebral palsy, stroke, spinal cord injury). The talk will also highlight a novel mechanism of neural plasticity using trans-spinal direct current stimulation on spasticity and motor recovery applied to the brain, spinal cord, and peripheral organs. Dr. Ahmed is also the Scientific Founder of PathMaker Neurosystems, a clinical-stage bioelectronic medicine company developing non-invasive systems for treatment of chronic neuromotor conditions.

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Discussant: Neuro-Psych Club Member
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