



RUTGERS BRAIN HEALTH INSTITUTE 2023-2024 PLENARY SEMINAR SERIES

March 14



Hosted by Neurodevelopment FAWG

Andriana Di Martino, MD **Child Mind Institute**

Dr. Adriana Di Martino explores autism neurobiology, focusing on early brain connectivity. Through ABIDE, she accelerates global collaboration, sharing functional brain imaging data to identify objective markers for improved intervention and treatment responses.

March 21



Hosted by JFWG

Robert Froemke, PhD **New York University**

The Froemke Lab studies how biological systems adapt and learn to improve behavior, using a range of techniques, including in vivo whole-cell recording, two-photon microscopy, whole-brain circuit mapping, long-term behavioral monitoring, and gene profiling, to ask three main questions, mostly in the auditory cortex of rodents.

April 4



Hosted by JFWG

Helen Mayberg, PhD **Icahn School of Medicine at Mount Sinai**

Dr. Helen S. Mayberg studies depression's neural circuits, pioneering deep brain stimulation for treatment-resistant depression. She directs The Nash Family Center, advancing precision surgical treatments for neuropsychiatric disorders.

April 11



Hosted by Cog Sensory

Michael Kahana, PhD **University of Pennsylvania**

Dr. Michael Kahana studies human memory and its neural basis using behavioral, computational, and neurophysiological methods. His research involves mathematical modeling, recording neurophysiological signals, and using electrical stimulation for memory mechanisms and therapies.

April 18



Hosted by Neurodegeneration & Injury FAWG

Yishi Jin, PhD **University of California San Diego**

The Jin lab focuses on discovering the mechanisms underlying the development, maintenance and function of the nervous system using the nematode *Caenorhabditis elegans* and mice. The ultimate goal is to connect the studies of basic mechanisms to the understanding of human neurological disorders and neuronal repair.