

22nd Annual

MIND BRAIN

RESEARCH DAY



March 26, 2019

11 A.M.–3 P.M.

Salomon Hall and Sayles Hall

Brown University



ROBERT J. & NANCY D. CARNEY
INSTITUTE FOR BRAIN SCIENCE
BROWN UNIVERSITY

JOSHUA A. GORDON, M.D., Ph.D.



Dr. Joshua Gordon received his M.D./Ph.D. degree at the University of California, San Francisco and completed his psychiatry residency and research fellowship at Columbia University. He joined the Columbia faculty in 2004 as an assistant professor in the Department of Psychiatry where he conducted research, taught residents, and maintained a general psychiatry practice. In

September of 2016, he became the director of the National Institute of Mental Health.

Dr. Gordon's research focuses on the analysis of neural activity in mice carrying mutations of relevance to psychiatric disease. His lab studies genetic models of these diseases from an integrative neuroscience perspective, focused on understanding how a given disease mutation leads to a behavioral phenotype across multiple levels of analysis. To this end, he employs a range of systems neuroscience techniques, including *in vivo* anesthetized and awake behaving recordings and optogenetics, which is the use of light to control neural activity. His work has direct relevance to schizophrenia, anxiety disorders, and depression.

Dr. Gordon's work has been recognized by several prestigious awards, including the The Brain and Behavior Research Foundation – NARSAD Young Investigator Award, the Rising Star Award from the International Mental Health Research Organization, the A.E. Bennett Research Award from the Society of Biological Psychiatry, and the Daniel H. Efron Research Award from the American College of Neuropsychopharmacology.

PROGRAM

11:00 a.m. **Poster Session & Lunch**

1:00 p.m. **Welcoming Remarks**

Steven A. Rasmussen, M.D.

Mary E. Zucker Professor and Chair

Department of Psychiatry and Human Behavior

Warren Alpert Medical School of Brown University

1:15 p.m. **Keynote Address**

“On Being a Circuit Psychiatrist”

Joshua A. Gordon, M.D., Ph.D.

Director, National Institute of Mental Health

2:15-2:30 p.m. **Question & Answer**

2:30 p.m. **Presentation of Poster Awards**

PREVIOUS KEYNOTE SPEAKERS

- 2018 **Li-Huei Tsai, Ph.D.**
“Network level approaches to studying Alzheimer’s Disease”
- 2017 **Trevor W. Robbins, CBE, FRS, FMedSci**
“Impulsivity and Compulsivity: Neural Substrates and Neuropsychiatric Implications”
- 2016 **György Buzsáki, M.D., Ph.D.**
“Emergence of Cognition from Action”
- 2015 **Richard Axel, M.D.**
“Order from Disorder: Internal Representations of the Olfactory World”
- 2014 **Helen Mayberg, M.D.**
“What has DBS Taught Us about the Neurocircuitry of Depression?”
- 2013 **Thomas R. Insel, M.D.**
“Rethinking Mental Illness”
- 2012 **Eric M. Reiman, M.D.**
“Ending Alzheimer’s Together”
- 2011 **Gerald D. Fischbach, M.D.**
“Autism Research - Progress and Promises”
- 2009 **Daniel Weinberger, M.D.**
“The Simple Truth about the Genetic Complexity of Schizophrenia”
- 2008 **Paul Greengard, Ph.D.**
“Signal Transduction Pathways Used and Abused by CNS Drugs”
- 2007 **Alan F. Schatzberg, M.D.**
“Recent Studies on the HPA Axis in Depression”
- 2006 **Husseini Manji, M.D.**
“Molecular Mechanisms Underlying Mood Stabilization in Bipolar Disorder: Therapeutic Implications”
- 2005 **Floyd E. Bloom, M.D.**
“How Advances in the Neurosciences Translate into Clinical Psychiatry”
- 2004 **Nora D. Volkow, M.D.**
“Imaging the Addicted Brain”
- 2003 **Thomas R. Insel, M.D.**
“The Neurobiology of Social Attachment”
- 2002 **Dennis S. Charney, M.D.**
“Neurobiology of Depression: Implication for Novel Therapeutics”
- 2001 **George F. Koob, Ph.D.**
“Drug Addiction: Reward Dysregulation and Allostasis”
- 1999 **Aaron T. Beck, M.D., DMS**
“New Advances in Cognitive Therapy”
- 1998 **Enoch Gordis, M.D.**
“Advances in Research Alcoholism and What They Promise for Future Treatment and Prevention”
- 1997 **Alan I. Leshner, Ph.D.**
“Drugs and the Brain: Can Science Replace Ideology?”

Sponsored by

Robert J. and Nancy D. Carney Institute for Brain Science, Norman Prince Neurosciences Institute, School of Engineering, Departments of Cognitive, Linguistic, and Psychological Sciences; Molecular Biology, Cell Biology, and Biochemistry; Molecular Pharmacology, Physiology, and Biotechnology; Neurology; Neuroscience; Neurosurgery; and Psychiatry and Human Behavior