

Neural and Behavioral Science SEMINAR SERIES 2011-2012
School of Graduate Studies SUNY Downstate Medical Center
450 Clarkson Avenue Brooklyn, NY 11203-2098
Seminars will begin at 12 noon in Lecture Hall 1B.
For more information regarding the seminars call: 718.270.2740

Sep 21
Molecular mechanisms and behavioral roles for long-term synaptic depression in normal physiology and disease
Russell Nicholls
Associate Research Scientist, Department of Neuroscience
Columbia University

Sep 28
Co-existence of lateral and cotuned inhibitory configurations in cortical networks
Alex D. Reyes
Associate Professor, Center for Neural Science
New York University

Oct 19
Reinforcement learning: beyond reinforcement
Nathanial Daw
Assistant Professor of Neural Science and Psychology, Center for Neural Science and Center for Brain Imaging
New York University

Nov 2
Molecular dissection of amygdala-hippocampal circuitry
Gleb Shumyatsky
Associate Professor, Department of Genetics
Rutgers University

Nov 30
Integrating synaptic plasticity into local and global hippocampal circuits
Steven Siegelbaum
Chair of Neuroscience and Professor of Pharmacology, Howard Hughes Medical Institute
Department of Neuroscience
Columbia University

Dec 14
Designing "Intelligent" Neuroprosthetics: Harnessing Multiscale Activity from Systems of Neurons
Justin C. Sanchez
Associate Professor, Department of Biomedical Engineering
Director of the Neuroprosthetics Research Group
University of Miami

Jan 11
Dendritic spines and linear networks
Rafael Yuste
Professor, Department of Biological Sciences
Howard Hughes Medical Institute
Columbia University

Jan 25
The origin of time (in the songbird motor pathway)
Michael Long
Assistant Professor of Physiology and Neuroscience
Neuroscience Program, Department of Otolaryngology
NYU School of Medicine

Feb 8
Optogenetic and electrophysiological differentiation of mating and fighting circuits in male mice
Dayu Lin
Assistant Professor Physiology and Neuroscience
Neuroscience Program and Department of Psychiatry,
NYU School of Medicine

Feb 22
Molecular mechanisms, oscillations and circuits underlying memory storage
John Lisman
Professor, Department of Biology
Brandeis University

Mar 7
Advances in Brain Machine Interfacing and the Role Reinforcement Learning
Joseph Francis
Associate Professor, Department of Physiology and Pharmacology, SUNY Downstate Medical Center

Mar 21
Long-term synaptic plasticity: From chromatin remodeling to protein synthesis
Ivan A. Hernandez*
Assistant Professor, Department of Pathology
SUNY Downstate Medical Center

Apr 18
Mechanism of beneficial effects of psychostimulants in hyperactivity disorders:
stimulation of dopamine D4 receptors in a basal ganglia-thalamus neuronal network
David Erlij
Professor, Department of Physiology and Pharmacology
SUNY Downstate Medical Center

May 2
Neuroeconomics and Decision Making
Paul Glimcher
Professor, Center for Neuroscience
New York University

May 16
Rhythms of the Brain
Gyorgy Buzsaki
Professor, Center for Neuroscience
New York University

May 30
Mechanisms underlying memory consolidation
Cristina Alberini
Professor, Department of Neuroscience
Mount Sinai School of Medicine

*Alumnus, SUNY Downstate School of Graduate Studies

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