



## 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

# SUNY DOWNSTATE Medical Center

- 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  
Nathaniel 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 Eriq  
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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