



Neural and Behavioral Science

SEMINAR SERIES
2010-2011

School of
Graduate Studies
SUNY Downstate
Medical Center
450 Clarkson Avenue
Brooklyn, NY 11203-2098

Seminars will begin at
12 noon at a
location to be
announced.

For more information
regarding the seminars call:

718.270.2740

SUNY DOWNSTATE Medical Center

- Sept. 16 **Multiscale models for computations within and between neurons**
Ravi Iyengar, PhD
Dorothy H. and Lewis Rosenthal Professor
Professor and Chair
Department of Pharmacology & System Therapeutics
Mt. Sinai School of Medicine
- Sept. 29 **Perceptual Bistability**
John Rinzel, PhD
Professor, Center for Neural Science
New York University
- Oct. 14 **Dynamic Organization of Cortical Networks**
Mingzhou Ding, PhD
Professor, Department of Biomedical Engineering
University of Florida
- Oct. 28 **Excitatory GABA, interneuron networks, and epilepsy**
Katherine Perkins, PhD
Associate Professor, Department of Physiology and Pharmacology
Downstate Medical Center
- Nov. 4 **Ischemic Stroke Interventions: Neuroprotection and Beyond**
Frank Barone, PhD
Professor, Department of Neurology
Downstate Medical Center
- Dec. 9 **Using transcranial magnetic stimulation and direct brain polarization to understand and improve motor behavior**
Pablo Celnik, PhD
Assistant Professor, Department of Neurology
Johns Hopkins University
- Feb. 3 **Parallel Methods for Analyzing Network Models and Data**
Larry Abbott, PhD
William Bloor Professor of Theoretical Neuroscience
Professor, Department of Physiology and Cellular Biophysics
Columbia University
- Feb. 17 **Microcircuit organization of mouse motor cortex**
Gordon MG Shepherd, MD, PhD
Assistant Professor, Department of Physiology
Northwestern University
- Mar. 3 **Neuronal Oscillations in Active Sensing and Perceptual Selection**
Charles Schroeder, PhD
Professor, Cognitive Neuroscience and Schizophrenia Program
Nathan S. Kline Institute for Psychiatric Research
Columbia University
- Mar. 11 **How neuromodulators affect LTP and learning: non-Hebbian requirements, spaced-associative properties and synaptic tagging**
Julietta U. Frey, PhD
Professor, Leibniz Institute for Neurobiology
Magdeburg, Germany
- Mar. 17 **Parallel Methods for Analyzing Network Models and Data**
Larry Abbott, PhD
William Bloor Professor of Theoretical Neuroscience
Department of Physiology and Cellular Biophysics
Columbia University
- Mar. 28 **Braintrust: What Neuroscience Tells us about Morality**
Patricia Churchland, PhD
Professor Emeritus, Salk Institute
University of California San Diego
- Mar. 31 **Dependence of hippocampal excitability in the female and male rat on the neurotrophin BDNF**
Helen Scharfman, PhD
Professor, Department of Physiology & Neuroscience and Psychiatry
New York University Langone Medical Center
- Apr. 14 **The role of BDNF and estrogen in hippocampal excitability**
Richard Adams, PhD
Lecturer, Department of Physiology, Development and Neuroscience
University of Cambridge
- Apr. 28 **Manipulating excitatory/inhibitory balance alters in vitro neuronal network dynamics**
Rhonda Dzakpasu, PhD
Clare Booth Luce Assistant Professor of Physics
Assistant Professor of Pharmacology
Georgetown University
- May 12 **Phase-Amplitude coupling in the visual system**
David Chorlian, PhD
Senior Scientific Programmer, Department of Psychiatry
SUNY Downstate Medical Center
- Jun 2 **Testing hypothesis about coding and computation in the visual system**
Sheila Nirenberg, PhD
Associate Professor, Department of Physiology and Biophysics
Weill Medical College of Cornell University

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