



Neural and Behavioral Science

SEMINAR SERIES
2003-2004

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

Seminars will begin
at 12:00 p.m. in
Lecture Hall 1A or 1B
Health Science
Education Building

For more information
regarding the seminars call:
718.270.2740

SUNY DOWNSTATE Medical Center

- September 17** **Neurosteroids and GABA Receptors in the Brain**
ISTVAN MODY, PhD
Tony Coelho Professor of Neurology, Professor of Physiology,
David Geffen School of Medicine at UCLA, Los Angeles, CA
- October 1** **Synaptic Inhibition in the Hippocampus**
ROBERT A. PEARCE, MD, PhD
Betty J. Bamforth Research Professor of Anesthesiology,
University of Wisconsin, Madison, WI
- October 15** **RNA in Neurons and the Many Levels of Translational Control**
KENNETH S. KOSIK, MD
Professor of Neurology, Harvard Institutes of Medicine,
Harvard Medical School, Boston, MA
- October 29** **An Axonal Plexus by Itself Generates Very Fast (>80 Hz) Oscillations,
Which in Turn Drive 40 Hz Oscillations**
ROGER D. TRAUB, MD
Professor of Physiology & Pharmacology, SUNY Downstate Medical Center, Brooklyn, NY
- November 26** **Synaptic Integration in Rat Barrel Cortex In Vivo**
DIEGO CONTRERAS, MD, PhD
Assistant Professor, Department of Neuroscience, University of Pennsylvania,
School of Medicine, Philadelphia, PA
- December 10** **How the Hippocampus Learns and Recalls Memory Sequences**
JOHN LISMAN, PhD
Professor, Department of Biology, Volen Center for Complex Systems,
Brandeis University, Waltham, MA
- January 14** **Synthesis of Proteins in Dendrites: A Mechanism for Memory**
EMMANUEL M. LANDAU, MD, PhD
Professor of Psychiatry and Pharmacology, Mount Sinai School of Medicine, New York, NY
- January 28** **What is the Function of Hippocampal Theta Rhythm?**
MICHAEL HASSELMO, PhD
Professor, Department of Psychology, Center for Memory and Brain and Program in Neuroscience,
Boston University, Boston, MA
- February 25** **A New Clock Speed for Neural Computation:
Submillisecond Synchronization of Fast Electrical Oscillations in Neocortex**
DANIEL S. BARTH, PhD
Professor of Neuroscience, Department of Psychology, University of Colorado, Boulder, CO
- March 10** **Interneurons, Inhibition and Noise in Dentate Gyrus**
MATHEW V. JONES, PhD
Assistant Professor, Department of Physiology, University of Wisconsin, Madison, WI
- March 24** **Cell Assemblies in the Hippocampus and Oscillations**
GYORGY BUZSAKI, MD, PhD
Board of Governors Professor, Center for Molecular and Behavioral Neuroscience,
Rutgers University, Newark, NJ
- April 7** **Generation and Propagation of Fast ('40 Hz') Network Oscillations
in the Hippocampus**
OLE PAULSEN, MD, PhD
University Lecturer, Department of Physiology, Oxford University, Oxford, UK
- April 21** **Allosteric Modulation of Amino Acid Receptors**
TERRELL T. GIBBS, PhD
Associate Professor, Department of Pharmacology and Experimental Therapeutics,
Boston University School of Medicine, Boston, MA
- May 5** **Molecular Determinants for Oscillatory and
Synchronous Neuronal Network Activity**
HANNAH MONYER, MD
Professor & Medical Director of the Department of Clinical Neurobiology,
University Hospital of Neurology, Interdisciplinary Center for Neurosciences,
University of Heidelberg, Heidelberg, Germany
- May 19** **State-Dependent Activities in Corticothalamic Networks: Neuronal Plasticity
During States of Vigilance and Seizures**
MIRCEA STERIADE, MD, DSc
Professor, Laboratory of Neurophysiology, Department of Anatomy and Physiology,
Faculty of Medicine, University of Laval, Quebec, Canada
- June 2** **Thalamus and Cortex in EEG Slow Rhythms:
Violins and Clarinets in Orchestral Symphony**
VINCENZO CRUNELLI, PhD
Professor of Neuroscience, Cardiff School of Biosciences, Cardiff University, Cardiff, UK
- June 16** **Homeostatic Plasticity in Developing Cortical Networks**
GINA TURRIGIANO, PhD
Associate Professor, Department of Biology, Volen Center for Complex Systems,
Brandeis University, Waltham, MA

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