



Neural and Behavioral Science

SEMINAR SERIES
2001-2002

School of
Graduate Studies
SUNY Downstate
Medical Center

Seminars will begin
at 12:00 pm in
Lecture Hall 1A or 1B.

Health Science
Education Building
SUNY Downstate
Medical Center

450 Clarkson Avenue
Brooklyn, NY 11203-2098

For more information call:

Sheryl Smith
718.270.2226
or
John Chapin
718.270.2767

SUNY DOWNSTATE Medical Center

Ligand-Gated Channels and Computational Neuroscience

- October 10** **GABA-A Receptors: Agonist Induced Conformational Changes and Protein Mobility in the Channel Lining Segments**
MYLES AKABAS, PHD
Associate Professor, Departments of Physiology & Biophysics, Neuroscience, Albert Einstein College of Medicine, Bronx, NY
- October 24** **Identification of Heteromeric TRPC Channels in Mammalian Brain**
CARSTEN STRUBING, PHD
Research Fellow, Department of Cardiovascular Research, Children's Hospital and Department of Neurobiology, Harvard Medical School, Boston, MA
- November 7** **Nicotinic Acetylcholine Receptors**
ANTHONY AUERBACH, PHD
Professor, Department of Physiology & Biophysics, SUNY Buffalo- School of Medicine & Biomedical Sciences, Buffalo, NY
- November 21** **Color, Size and All the Rest: How Do They All Fit in the Visual Cortex?**
EHUD KAPLAN, PHD
Jules & Doris Stein Research-to-Prevent-Blindness Professor, Departments of Ophthalmology, Physiology & Biophysics, Mount Sinai School of Medicine, New York, NY
- December 5** **GABA-A Receptors: Relating Structure to Function**
JANET L. FISHER, PHD
Assistant Professor, Department of Pharmacology & Physiology, University of South Carolina School of Medicine, Columbia, SC
- December 19** **Hippocampus: Drug Effects and Behavioral Coding**
SAMUEL A. DEADWYLER, PHD
Professor & Vice Chairman, Department of Physiology & Pharmacology, Wake Forest University School of Medicine, Winston-Salem, NC
- January 16** **Regulation of Synaptic Inhibition via the Alpha Subunit of the GABA-A Receptor**
NEIL L. HARRISON, PHD
Professor of Neuroscience, Laboratory of Molecular Pharmacology, Weill Medical College of Cornell University, New York, NY
- February 13** **Regulation and Dynamics of Transmitter Release at a Central Synapse**
DONALD S. FABER, PHD
Professor & Chairman, Department of Neuroscience, Albert Einstein College of Medicine, Bronx, NY
- February 27** **Brain Computer Interfaces**
MIGUEL A.L. NICOLELIS, MD, PHD
Associate Professor, Department of Neurobiology, Duke University Medical Center, Durham, NC
- March 13** **GABA and Glutamate Receptor Subtype in Developing Cerebellar Synapses**
STEFANO VICINI, PHD
Professor, Department of Physiology & Biophysics, Georgetown University Medical Center, Washington, DC
- March 27** **Modeling Rhythms in the Brain**
JOHN RINZEL, PHD
Professor of Neural Science and Mathematics, Center for Neural Science, New York University, New York, NY
- April 10** **Algorithms for Neural Population Coding**
EMERY N. BROWN, MD, PHD
Director, Neuroscience Statistics Research Laboratory, Department of Anesthesia and Critical Care, Massachusetts General Hospital, Boston, MA
- April 24** **Desensitization Mechanism of the GABA-A Receptor**
DAVID S. WEISS, PHD
Professor, Department of Neurobiology, University of Alabama at Birmingham, Birmingham, AL
- May 8** **Extrasynaptic GABA-A Receptors: Thinking Outside the Box**
BEVERLEY A. ORSER, MD, PHD
Professor, Department of Physiology, University of Toronto, Ontario, Canada
- May 22** **GABARAP Promotes Clustering of GABA-A Receptors with Altered Channel Properties and Pharmacology**
RICHARD W. OLSEN, PHD
Professor, Department of Molecular and Medical Pharmacology, UCLA School of Medicine, Los Angeles, CA
- June 5** **Mechanisms of Learning in Limbic System Neurons**
THOMAS H. BROWN, PHD
Professor of Psychology & Physiology, Department of Psychology, Yale University, New Haven, CT