

Neural and Behavioral Sciences Seminar Series 2001/2002 - SIGNAL TRANSDUCTION: FROM MOLECULES TO CURRENTS
School of Graduate Studies SUNY-Downstate Medical Center
Seminars will begin at 12:00 p.m. in Lecture Hall 1A or 1B.
Health Science Education Building SUNY Downstate Medical Center
450 Clarkson Ave. Brooklyn, NY 11203
For more information call: Sheryl Smith 718.270.2226 or John Chapin 718.270.2767

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