



# SUNY DOWNSTATE

Medical Center

## SIGNAL TRANSDUCTION: FROM MOLECULES TO CURRENTS

- 9/27 **The Role of the G Protein  $\beta\gamma$  Subunit in Cell Signaling**  
**JAMES GARRISON**  
Professor and Chairman, Department of Pharmacology, University of Virginia School of Medicine
- 10/11 **Regulation of Synaptic Plasticity by Abl Family Kinases**  
**ANTHONY J. KOLESKE**  
Assistant Professor, Dept. of Molecular Biophysics and Biochemistry, Yale University
- 10/25 **Novel Functions and Associations of G Protein  $\beta 5$**   
**WILLIAM F. SIMONDS**  
Senior Clinical Investigator, Metabolic Diseases Branch/NIDDK, National Institutes of Health
- 12/6 **Spatial and temporal regulation of MAP kinases by G protein-coupled receptors**  
**LOUIS M. LUTRELL**  
Assistant Professor of Medicine, Division of Endocrinology, Duke University Medical Center
- 12/20 **Imaging the Neurochemistry of Pain**  
**PATRICK MANTYH**  
Professor, Dept Preventive Science, Neuroscience and Psychiatry, University of Minnesota
- 1/10 **Mechanisms and Regulation of Receptor-mediated Endocytosis**  
**JAMES KEEN**  
Professor, Dept. of Microbiology and Immunology; Deputy Director, Kimmel Cancer Institute, Thomas Jefferson University
- 1/24 **Regulation of NaCl intake is disrupted by null mutation of the gene encoding IsK, a potassium channel regulator**  
**RALPH B. PUCHALSKI**  
Assistant Member, Monell Chemical Senses Center
- 2/7 **Physiological roles and regulation of metabotropic glutamate receptors in basal ganglia: implications for treatment of Parkinson's disease**  
**P JEFFREY CONN**  
Professor, Department of Pharmacology, Emory University School of Medicine
- 2/21 **Targeting mRNAs to neuronal growth cones and spines**  
**GARY BASSELL**  
Assistant Professor, Department of Neuroscience, Rose Kennedy Center for Mental Retardation, Albert Einstein College of Medicine
- 3/7 **RGS Proteins and Ion Channel Modulation**  
**STEPHEN R. IKEDA**  
Senior Scientist, Laboratory of Molecular Physiology, Guthrie Research Institute
- 3/21 **Role of protein phosphatases in dopaminergic signaling in the basal ganglia**  
**ANGUS NAIRN**  
Associate Professor, Laboratory of Molecular and Cellular Neuroscience, Rockefeller University
- 4/4 **G protein Subunit Diversity: Generation and Implications**  
**JOHN D. HILDEBRANDT**  
Professor, Department of Cell and Molecular Pharmacology, Medical University of South Carolina
- 4/18 **G protein-coupled receptors: Mechanisms of regulation and physiological implications**  
**MARC G. CARON**  
James B. Duke, Professor of Cell Biology, Howard Hughes Medical Institute, Duke University Medical Center, Durham NC
- 5/2 **Regulation of nonselective cation channels by G protein coupled receptors in central neurons**  
**RODRIGO ANDRADE**  
Professor Dept of Psychiatry and Behavioral Neuroscience, Wayne State University School of Medicine
- 5/16 **Role of Phosphoinositide Kinases in Cellular Regulation**  
**LOUIS CANTLEY**  
Professor, Department of Cell Biology, Harvard Medical School and Chief, Division of Signal Transduction Beth Israel Deaconess Medical Center, Boston Mass.
- 5/30 **Regulating Post-Transcriptional Processing of mRNA in Synapse Formation and Plasticity.**  
**SAMUEL SCHACHER**  
Center for Neurobiology and Behavior, Columbia University College of Physicians and Surgeons

### Neural and Behavioral Sciences Seminar Series 2000/2001

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  
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