



DEPARTMENT OF PHYSIOLOGY & BIOPHYSICS

Seminar Series Spring 2008

Sanger Hall, Room 2-020
Wednesday at 12:00 p.m.

- January 16** **I. Scott Ramsey, Ph.D., Cardiovascular Department, Children's Hospital Boston and Harvard Medical School** (Chair of Search Committee: Dr. Clive Baumgarten)
Proton Channels and More: Identification and Functional Characterization of Novel Voltage Sensor Domain Proteins
- January 23** **Sylvia Christakos, Ph.D., Department of Biochemistry and Molecular Biology, UMDNJ**
(Host: Dr. Joseph Feher)
New Insights into the Mechanism of Vitamin D Action
- January 30** **Georgios Skiniotis, Ph.D., Department of Cell Biology, Harvard Medical School**
(Chair of Search Committee: Dr. Roland Pittman)
Visualization of Dynamic Protein Systems by Molecular Electron Microscopy
- February 6** **No Seminar- Biophysical Society Meeting**
- February 13** **Kakoli Mitra, Ph.D, Skirball Institute of Molecular Medicine, New York University School of Medicine** (Chair of Search Committee: Dr. Roland Pittman) *Seminar Cancelled - Rescheduled for 4/2/08*
- February 20** **Gregory S. Allen, Ph.D., Health Research Inc., at Wadsworth Center**
(Chair of Search Committee: Dr. Roland Pittman)
A Hybrid Structural Approach to Studying Macromolecular Complexes
- February 27** **Alexander Deiters, Ph.D, Department of Chemistry, North Carolina State University**
(Host: Dr. Diomedes Logothetis)
Regulation of Biological Processes with Light
- March 5** **Nigel Bunnett, Ph.D., Departments of Surgery and Physiology, UCSF** (Host: Dr. Jack Grider)
Protease Switches: Pathways to Inflammation and Pain - Seminar Cancelled
- March 12** **Louis J. DeFelice, Ph.D., Department of Pharmacology and Neuroscience, Vanderbilt University School of Medicine** (Host: Dr. Diomedes Logothetis)
Ion Channels in Neurotransmitter Transporters: a new target for therapeutic drugs
- March 19** **Brian O'Rourke, Ph.D., Institute of Molecular Cardiobiology, Department of Medicine, Johns Hopkins University** (Host: Dr. Clive Baumgarten)
Role of Mitochondrial Ion Channels in the Heart
- March 26** **Carlos Escalante, Ph.D., Department of Structural and Chemical Biology, Mount Sinai SOM**
(Chair of Search Committee: Dr. Roland Pittman)
Protein-DNA Interactions in the Assembly of Macromolecular Machines: Insights from the Interferon- β Enhanceosome and Viral Replication Proteins
- April 2** **Kakoli Mitra, Ph.D, Skirball Institute of Molecular Medicine, New York University School of Medicine** (Chair of Search Committee: Dr. Roland Pittman)
Title: Structural Elucidation of Cellular Processes Using High-resolution Cryo-electron Microscopy: Protein Translation and Translocation
- April 9** **Ligia Toro, Ph.D., Department of Anesthesiology, David Geffen School of Medicine at University of California, Los Angeles** (Host: Dr. Diomedes Logothetis)
MaxiK: a multifaceted ion channel
- April 10**
Thursday **Enrico Stefani, M.D., Ph.D., Department of Anesthesiology, David Geffen School of Medicine at University of California, Los Angeles** (Host: Dr. Diomedes Logothetis)
Heart Estrogen, Estrogen Receptors and Cardio-protection



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- April 11**
Friday **Basic Health Sciences Outstanding Alumnus Award**
Robert Moreland, Ph.D., Department of Pharmacology and Physiology,
Drexel College of Medicine (Host: Dr. George Ford)
Regulation of Smooth Muscle Contraction: How Many Steps Are Really Involved?
Reception Immediately Following the Lecture at the Alumni House
- April 16** **Distinguished Lecturer (Nineteenth Annual Distinguished Lecturer)**
David E. Clapham, M.D., Ph.D., Department of Neurobiology and Cardiovascular Research,
Harvard Medical School (Host: Dr. Diomedes Logothetis)
TRP Channels in Vesicular Trafficking
Reception Immediately Following the Lecture
- April 23** **David Lominadze, Ph.D., Department of Physiology and Biophysics, University of Louisville**
School of Medicine (Chair of Search Committee: Roland Pittman)
Fibrinogen, A New Danger from an Overlooked Foe
- April 30** **Marshall Montrose, Ph.D., Department of Molecular and Cellular Physiology,**
University of Cincinnati (Host: Dr. Murthy Karnam)
Dynamic Defense of the Epithelial Barrier in the GI Tract
- May 5** **Vladimir Yarov-Yarovoy, Ph.D., Department of Pharmacology, University of Washington, Seattle**
(Chair of Search Committee: Dr. Clive Baumgarten)
Ion channel structure prediction using the Rosetta-Membrane method
- May 7** **Nicholas Ryba, D. Phil., Laboratory of Oral Sensory Biology, NIDCR, NIH** (Host: Dr. John DeSimone)
The Molecular and Cellular Basis for Mammalian Taste Perception
- May 14** **Frederick Sachs, Ph.D., Department of Physiology & Biophysics, SUNY at Buffalo**
(Host: Dr. Clive Baumgarten)
Stress, Strain, Mechanosensitive Channels, Osmoregulation, Probes and Some Other Stuff
- May 21** **Byung Chang Suh, Ph.D., Department of Physiology & Biophysics, University of Washington,**
Seattle (Chair of Search Committee: Dr. Gea-Ny Tseng)
Regulation of ion channels by membrane phosphoinositides
- May 28** **James J. Galligan, Ph.D., Department of Pharmacology & Toxicology, Michigan State University**
(Host: Dr. Jack Grider)
Fast Synaptic Mechanisms in the Enteric Nervous System
- June 4** **Lei Zhou, Ph.D., Center for Neurobiology & Behavior Columbia University, New York**
(Chair of Search Committee: Dr. Gea-Ny Tseng)
Ligand binding and gating in cyclic-nucleotide regulated ion channels: from static contacts to collective motions
- June 11** **Qinglian Liu, Ph.D., Department of Biochemistry and Molecular Biophysics, Columbia**
University, New York (Chair of Search Committee: Dr. Roland Pittman)
Structural Insights into the ATP-Driven Mechanism of Hsp70 Chaperone Activity.
- June 18**
Cancelled **Iban Ubarretxena, Ph.D., Department of Structural and Chemical Biology, Mount Sinai SOM**
(Host: Dr. Diomedes Logothetis)
Structural studies on the mechanism of beta-amyloid peptide production by gamma-secretase
- June 25** **To Be Announced**