Autumn, 2009

9/22: Frances Separovic, Ph.D.
Univ. of Melbourne
“Membrane interactions of antimicrobial and amyloid peptides”

10/13: Vinzenz Unger, Ph.D.
Department of Molecular Biophysics & Biochemistry, Yale University
“From Noisy Images to an Unsuspected Liaison – a CryoEM Tale About the Mechanisms of Cellular Copper Uptake”

10/22: Richard G. Brennan, Ph.D.
M.D. Anderson Cancer Center
“Structural mechanisms of multidrug binding and mdr gene regulation: how bugs escape drugs”

Winter, 2010

1/18: Yuji Goto, Ph.D.
Institute for Protein Research, Osaka University
Amyloid fibril growth visualized by thioflavin T fluorescence & probed by H/D exchange

3/2: Sharad Ramanathan, Ph.D.
Department of Molecular & Cellular Biology, School of Engineering and Applied Sciences
FAS Center for Systems Biology, Harvard University
“Soft directions in biology: what can we learn about evolution from deforming networks inside cells?”

Spring, 2010

3/30: Paulo F. Almeida, Ph.D.,
Dept. Chemistry and Biochemistry, University of North Carolina Wilmington
“Interactions of Phospholipids & Cholesterol in Membranes”

4/6 Jeffrey Skolnick, Ph.D.
Center for the Study of Systems Biology, Georgia Institute of Technology
“New approaches to protein functional inference & ligand screening with application to the human kinome”

4/20: Daniel A. Fletcher, Ph. D.
Bioengineering & Biophysics, UC Berkeley, Physical Biosciences, LBNL
"Some assembly required: Mechanics & dynamics of the actin cytoskeleton”

4/27: Charles R. Sanders, Ph.D.
Department of Biochemistry, Center for Structural Biology, Vanderbilt University
"An Experimentally-Derived Model for how KCNE1 Modulates the KCNQ1 Potassium Channel”

5/18: Daniel A. Fletcher, Ph. D.
Bioengineering & Biophysics, UC Berkeley, Physical Biosciences, LBNL
"Some assembly required: Mechanics & dynamics of the actin cytoskeleton”

5/25 Bryan Krantz, Ph. D.
Departments of Molecular & Cell Biology and of Chemistry, University of California, Berkeley
"Anthrax toxin: a structure/function exploration of protein unfolding & translocation across membranes"

6/1 David S. Cafiso, Ph. D.
Department of Chemistry, University of Virginia
“Conformational Exchange and Transmembrane Signaling in Membrane Transport: why spectroscopy is important, even when we have a crystal structure”