

Autumn, 2008

9/30: David Courson & Devin Strickland
Department of Biochemistry & Molecular Biology, University of Chicago
"Surf in the morning, TIRF in the evening: Selected projects from the MBL Physiology Course"
10/14: Gail E. Fanucci, Ph.D.
Department of Chemistry, University of Florida
"Characterizing Flap Conformations in HIV-1 Protease: Combining pulse EPR and Computational Simulations"
10/28: Alexander Deiters, Ph.D.
Department of Chemistry, North Carolina State University,
"Synthetic Chemical Tools for the Regulation of Biological Processes".
11/18: Todd Yeates, Ph.D.
Department of Chemistry and Biochemistry, Molecular Biology Institute, California NanoSystems Institute, Institute for Genomics & Proteomics, University of California, Los Angeles,
"Elucidating the structure and function of the carboxysome and other bacterial microcompartment organelles".
12/2: Mark Gerstein, Ph.D.
Molecular Biophysics and Biochemistry, Yale University
"Understanding Function on a Genomic Scale through Analysis of Molecular Networks"

Winter, 2009

1/6: Neil L. Kelleher, Ph.D.
Department of Chemistry, University of Illinois, Urbana/Champaign
"Nano-Assembly Lines: Viewing the Production of Peptide & Polyketide-Natural Products Through the Lens of High Performance Mass Spectrometry".
2/3: John J. Tyson, Ph.D.
Department of Biological Sciences, Virginia Polytechnic Institute & State University,
"Temporal Organization of the Cell Cycle"
2/17: Erik Winfree, Ph.D.
Computer Science, Computational and Neural Systems and Bioengineering, California Institute of Technology
"Synthesis of Enzyme-free Nucleic Acid Circuits"
2/24: Nina Singhal Hinrichs, Ph.D.
Departments of Computer Science and of Statistics, University of Chicago
"Understanding Molecular Kinetics"

Spring, 2009

3/31: Yingxiao Peter Wang, Ph.D.,
Departments of Bioengineering, Molecular and Integrative Physiology, Neuroscience Program, Center for Biophysics and Computational Biology, Institute of Genomic Biology, Beckman Institute for Advanced Science and Technology, University of Illinois, Urbana-Champaign
"Molecular Imaging, NanoBiotechnology, and MechanoBiology in Live Cells"
4/7: Dimitrios Vavylonis, Ph.D.
Dept. of Physics, Lehigh University,
"Models of formin-mediated actin polymerization for cell growth & cell division"
4/21: James T. Stivers, Ph.D.
Dept. of Pharmacology & Molecular Sciences, Johns Hopkins School of Medicine,
"DNA and Enzyme Dynamics in Uracil Base Excision Repair"
4/28: Steven D. Schwartz, Ph.D.
Depts. of Biophysics and Biochemistry, Albert Einstein College of Medicine,
"Enzymatic catalysis - a symphony of motions and no tight binding"
5/19: Hao Li, Ph.D.
Dept. of Biochemistry and Biophysics, California Institute for Quantitative Biomedical Research, University of California, San Francisco
"Dynamics and design principles of a general regulatory architecture in metabolic networks"
5/28: Yeon-Kyun Shin, Ph.D.
Department of Biochemistry, Biophysics & Molecular Biology, Iowa State University
"Regulation of SNARE-dependent membrane fusion by complexin and synaptotagmin I"