

**Biochemistry Seminar Series  
2004-2005**

- Sept. 20 Amy Keating  
M.I.T., Biology Department  
"Combinatorial interactions of the human bZIP transcription factors"  
Host: Michael Kay
- Oct. 11 Reuben Shaw  
Harvard Medical School, Systems Biology Department  
"The LKB1 tumor suppressor kinase: connecting cancer to metabolism"  
Host: Jared Rutter
- Oct. 18 Thomas D. Fox  
Cornell University, Molecular Biology & Genetics Department  
"Coordinated translation of mitochondrially coded mRNAs within the organelle promotes efficient assembly of cytochrome c oxidase in yeast"  
Host: Dennis Winge
- Nov. 1 Zhong-Yin Zhang  
Albert Einstein Medical School, Molecular Pharmacology & Biochemistry Departments  
"Chemical approaches to dissect the function of protein tyrosine phosphatase"  
Host: David Virshup
- Nov. 8 Peter Rosenthal  
MRC-Laboratory of Molecular Biology, Cambridge, England  
"Cryomicroscopy of macromolecular complexes"  
Host: Wes Sundquist
- Nov. 15 Grant Jensen  
California Institute of Technology, Struc. Molecular & Cell Biology Department  
"Recent advances in imaging proteins, viruses, and whole cells by electron cryotomography"  
Host: Wes Sundquist
- Dec. 6 Richard G. Brennan  
Oregon Health & Science University, Biochemistry & Molecular Biology Department  
"Structural mechanisms of bacterial mdr gene regulation and multidrug recognition"  
Host: Chris Hill
- Dec. 13 Erin O'Shea  
University of California, San Francisco  
"Noise in eukaryotic gene expression"  
Host: Brenda Bass

- Jan. 24 Michael H. Glickman  
Technion - Israel Institute of Technology  
"The proteasome portal and regulation of proteolysis"  
Host: Chris Hill
- Jan. 31 David Ron  
NYU School of Medicine, Skirball Institute  
"Cellular adaptations to malfolded proteins"  
Host: Jared Rutter
- Feb. 7 Roy Parker  
University of Arizona/HHMI, Molecular & Cellular Biology & Biochemistry Departments  
"Life, death and midlife crisis of mRNA in simple eukaryotic cells"  
Host: Brenda Bass
- Mar. 7 Mark Johnston  
Washington University, Genetics Department  
"Feasting, fasting and fermenting: Glucose sensing and signaling in yeast"  
Host: Jared Rutter
- Mar. 14 Tamir Gonen  
Harvard Medical School, Cell Biology Department  
"Structure of the aquaporin-0 membrane junction"  
Host: Wes Sundquist
- Mar. 21 Michael F. Summers  
HHMI/University of Maryland, Baltimore County, Chemistry & Biochemistry Departments  
"New insights into retroviral genome packaging and assembly from NMR"  
Host: Wes Sundquist
- Mar. 28 Robert Liddington  
Burnham Institute  
"Anthrax toxin: Friend and foe"  
Host: Chris Hill
- Apr. 4 James M. Berger  
University of California, Berkeley, Molecular & Cell Biology Department  
"Structural excursions with nature's chromosome-untangling machines: evolving and coupling ATPase and DNA transport activities in type II topoisomerases"  
Host: Chris Hill
- Apr. 18 Laszlo G. Boros  
SIDMAP, LLC  
"Targeted drugs and the tracer labeled metabolome of tumor cells: How to predict resistance and develop intervention strategies"  
Host: Janet Lindsley