

**Biochemistry Seminar Series
2005-2006**

- Sep. 12 Jordon Gerton
University of Utah, Physics Department
“Molecular-scale fluorescence microscopy”
- Sep. 19 Jennifer Wilson
Giffith University (Australia), Institute for Glycomics
“Molecular glycomics of lipo-oligosaccharides of an aerobic human pathogen”
- Sep. 26 Guillaume Chanfreau
UCLA, Department of Chemistry and Biochemistry
“RNA recognition and gene expression control by *S. cerevisiae* RNase III”
- Oct. 24 Susan Michaelis
Johns Hopkins, University, School of Medicine
“From A to Z: Yeast a-factor, mammalian lamin A, and a premature aging disorder (HGPS)-the Zmpste24 protease connection.
- Nov. 7 Adrian R. Ferre-D’Amare
Fred Hutchinson Cancer Research Center, Basic Sciences Division
“Rigidity and plasticity of RNA: Structural studies of ribozymes and RNA-modifying enzymes”
- Nov. 21 Yifan Cheng
Harvard Medical School, Department of Cell Biology
“Cryo-electron microscopy of transferrin receptor-transferrin complex, clathrin coats and clathrin coated vesicles”
- Dec. 5 Brenda A. Schulman
St. Jude Children’s Research Hospital, Structural Biology & Genetics/Tumor Cell Biology
“Specificity of ubiquitin-like protein conjugation”
- Jan. 9 Melanie Ohi
Harvard Medical School, Department of Cell Biology
“Structural analysis of the spliceosome and the APC/C by cryo-electron microscopy”
- Jan. 30 David Bentley
University of Colorado, Health Sciences Center
“Co-transcriptional mRNA processing and chromatin modification”
- Feb. 2 Costa Georgopoulos
University of Geneva, Department of Medical Biochemistry
“Functional interplay among the major chaperone machines of *Escherichia coli*”
- Feb. 21 Tom Kirchhausen
Harvard Medicine School

“How clathrin coated vesicles form: From molecular snapshot to live cell imaging”

- Feb. 27 Magda Konarska
Rockefeller University
“A two-state model for spliceosome function: More lessons from the ribosome”
- Mar. 6 Stewart Loh
SUNY Upstate
“Design of a molecular switch based on coupled protein folding and unfolding”
- Mar. 20 David Chan
California Institute of Technology
“Mitochondrial dynamics in mammals”
- Mar. 27 Amy Pasquinelli
University of California, San Diego
“MicroRNAs: A small contribution from worms”
- Apr. 3 Alba Guarne
McMaster University, Toronto
“The use of x-ray crystallography to understand bacterial chromosome topology”
- Apr. 3 Joaquin Ortega
McMaster University, Toronto
“Mechanisms of proteasome activation by the PA200 family of proteins: The microscopist’s side of the story.”
- Apr. 20 Sandra Schmid
The Scripps Research Institute, Department of Cell Biology
“Mechanisms governing clathrin-mediated endocytosis”
- June 26 Wolfgang Dubiel
Charité – Universitätsmedizin Berlin, Department of Surgery
“Role of the COP9 signalosome in the ubiquitin system”