

**DEPARTMENT OF CELLULAR BIOLOGY**  
**SEMINAR SERIES - FALL SEMESTER, 2005**  
UNLESS OTHERWISE NOTED, ALL SEMINARS WILL BE HELD  
IN 404A BIOLOGICAL SCIENCES BLDG. AT 11:00 AM

- AUG. 23**     **DR. JACEK GAERTIG**, Host: Dr. Mark Farmer  
*Department of Cellular Biology, The University of Georgia, Athens, GA*  
**Post-translational Modifications of Microtubules; Studies on In Vivo Functions and Identification of Modifying Enzymes**
- AUG. 30**     **DR. TAMARA CASPARY**, Host: Dr. Scott Dougan  
*Department of Human Genetics, Emory University School of Medicine, Atlanta, GA*  
**Hats, Hedgehogs and Cilia: New Perspectives on Mouse Neural Tube Patterning and Left-Right Axis Determination**
- SEPT. 6**     **DR. DAN TRACEY**, Host: Dr. Ping Shen  
*Departments of Anesthesiology, Cell Biology, and Neurobiology, Duke University Medical Center, Durham, NC*  
**Genetics Can Be Painless: Isolating Nociception Genes from Drosophila**
- SEPT. 13**    **DR. YING XU**, Host: Dr. Marcus Fechheimer  
*Department of Biochemistry and Molecular Biology, The University of Georgia, Athens, GA*  
**Prediction of Functional Modules and Regulatory Networks in Microbes**
- SEPT. 20**    **DR. BEN FELDMAN**, Host: Cellular Biology Graduate Student Association  
*Porter Neuroscience Research Center, National Human Genome Research Institute, NIH, Bethesda, MD*  
**Genomic Approaches to the Study of Zebrafish Gastrulation**
- SEPT. 27**    **DR. ANDREW SORNBORGER**, Host: Dr. James Lauderdale  
*Department of Mathematics, The University of Georgia, Athens, GA*  
**High-Resolution, Intrinsic Neural Imaging: NADH/Flavoprotein Imaging of the Zebrafish Trigeminal Ganglion, In Vivo**
- OCT. 4**     **DR. JEREMY BOSS**, Host: Dr. Haini Cai  
*Department of Microbiology and Immunology, Emory University School of Medicine, Atlanta, GA*  
**Mechanisms of Action of Distal Regulatory Elements in the Immune System**
- OCT. 11**     **\*Note special time and location**  
**DR. ARTHUR KORNBERG**, 2005 RITTER LECTURE  
*Department of Biochemistry, Stanford University School of Medicine, Stanford, CA*  
**An Enzyme that Becomes an Actin Filament as it Assembles a Chain of Inorganic Polyphosphate**  
**\*Tuesday, 4:00 p.m., Room 404E, Biological Sciences Bldg.**
- OCT. 18**    **DR. DANIEL PROMISLOW**, Host: Dr. Haini Cai  
*Department of Genetics, The University of Georgia, Athens, GA*  
**Six Degrees of Degeneration: Gene Interactions, Gene Networks, and the Biology of Aging**
- OCT. 25**    **DR. L. STEVEN MILLER & DR. NATHAN YANASAK**, Host: Dr. Charles Keith  
*Department of Psychology, The University of Georgia; Department of Radiology, Medical College of Georgia*  
**Human Functional Magnetic Resonance Imaging**
- NOV. 1**     **DR. GREGG GUNDERSEN**, Host: Dr. Jacek Gaertig  
*Department of Anatomy & Cell Biology, Columbia University, New York, NY*  
**Regulation of Microtubules by Rho GTPases in Migrating Cells**
- NOV. 8**     **DR. DEBRA KENDALL**, Host: Cellular Biology Graduate Student Association  
*Department of Molecular and Cell Biology, University of Connecticut, Storrs, CT*  
**Molecular Interactions that Drive Protein Translocation in E. coli**
- NOV. 15**    **DR. KRISTIN SCOTT**, Host: Dr. Ping Shen  
*Department of Molecular and Cell Biology, University of California-Berkeley, Berkeley, CA*  
**Taste Representations in the Fly Brain**
- NOV. 29**    **DR. KIRK DEITSCH**, Host: Dr. Boris Striepen  
*Department of Microbiology and Immunology, Cornell University, New York, NY*  
**Antigenic Variation by Malaria Parasites: A System of Gene Activation and Silencing**  
Co-sponsored by the Center for Tropical & Emerging Global Diseases
- DEC. 6**     **DR. RICHARD KESSIN**, Host: Cellular Biology Graduate Student Association  
*Department of Anatomy and Cell Biology, Columbia University, New York, NY*  
**Survival Strategies of the Soil Amoeba Dictyostelium discoideum**