



# Molecular and Cellular Biology

SEMINAR SERIES  
2004-2005

School of  
Graduate Studies  
SUNY Downstate  
Medical Center  
450 Clarkson Avenue  
Brooklyn, NY 11203-2098

Seminars will begin  
at 4:00 p.m. in  
Lecture Hall 1A or 1B  
Health Science  
Education Building

For more information  
regarding the seminars call:  
**718.270.2740**

# SUNY DOWNSTATE Medical Center

- October 6** **Nonsense-Mediated mRNA Decay in Mammalian Cells: Pre-mRNA Splicing-Dependent mRNA Decay that Occurs 5'-to-3' and 3'-to-5' as a Consequence of a Pioneer Round of Translation**  
**LYNNE E. MAQUAT, PhD**  
Professor, Department of Biochemistry and Biophysics, School of Medicine and Dentistry, University of Rochester, Rochester, NY
- October 20** **Molecular Chaperones and ER Protein Quality Control**  
**JEFFREY L. BRODSKY, PhD**  
Associate Professor, Department of Biological Sciences, University of Pittsburgh, Pittsburgh, PA
- November 3** **Linking Lipid Metabolism to Immunity: The CD1 Pathway**  
**LUC TEYTON, MD, PhD**  
Associate Professor, Immunology Department, The Scripps Research Institute, La Jolla, CA
- December 1** **Ring Assemblies in Protein Folding and Unfolding**  
**ARTHUR HORWICH, MD**  
Professor, Department of Genetics, Howard Hughes Medical Institute, Yale School of Medicine, New Haven, CT
- December 15** **Molecular Mechanisms of Cardiac Development**  
**JONATHAN EPSTEIN, MD**  
Associate Professor, Department of Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA
- January 5** **p63 Function *In Vivo***  
**ALEA A. MILLS, PhD**  
Assistant Professor, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY
- January 19** **Molecular Dissection of Small Nucleolar Ribonucleoproteins: Implications for Inherited Disease and Human Reproduction**  
**U. THOMAS MEIER, PhD**  
Associate Professor, Department of Anatomy and Structural Biology, Albert Einstein College of Medicine, Yeshiva University, Bronx, NY
- February 2** **CDK Inhibitors in Differentiation and Disease**  
**ANDREW KOFF, PhD**  
Member, Molecular Biology Department, Memorial Sloan-Kettering Cancer Center, New York, NY
- February 16** **Gene Regulation in the Striatal Medium Size Spiny Neuron**  
**MICHELLE E. EHRLICH, MD**  
Professor, Departments of Neurology, Pediatrics, and Biochemistry, Thomas Jefferson University, Farber Institute for Neurosciences, Philadelphia, PA
- March 2** **Cortical Interneuron Development and Neurodevelopmental Disorders**  
**PAT LEVITT, PhD**  
Professor of Pharmacology, and Director, Vanderbilt Kennedy Center for Research on Human Development, Nashville, TN
- March 16** **Gene Expression in the Heart: What Cardiac Diseases Teach Us**  
**LAURENCE H. KEDES, MD**  
William M. Keck Professor of Biochemistry and Molecular Biology, and Director, USC Institute for Genetic Medicine, University of Southern California, Keck School of Medicine, Los Angeles, CA
- March 30** **DNA Palindromes: Scabs, Gaps and Land Mines in the Human Genome**  
**SUSANNA M. LEWIS, PhD**  
Senior Scientist, Program in Genetics and Genomic Biology, Hospital for Sick Children Research Institute, and Associate Professor, Medical Genetics and Microbiology, University of Toronto, Toronto, Canada
- May 4** **Toll-like Receptors and Innate Immune Responses to Infection**  
**SANKAR GHOSH, PhD**  
Professor of Immunobiology, Molecular Biophysics & Biochemistry, and Molecular, Cellular & Developmental Biology, Yale University School of Medicine, New Haven, CT
- May 18** **Vacuolin and ENGRAILED 2: Integrating CNS Development with the Genetics of Cataracts and Autism**  
**JAMES H. MILLONIG, PhD**  
Resident Faculty Member, Center for Advanced Biotechnology and Medicine, and Assistant Professor, Department of Neuroscience and Cell Biology, UMDNJ-Robert Wood Johnson Medical School, Piscataway, NJ
- June 1** **Protein Kinase Anchoring and Regulation of Ciliary and Flagellar Dyneins**  
**WINFIELD SALE, PhD**  
Professor, Department of Cell Biology, Emory University School of Medicine, Atlanta, GA