



Columbia University Department of Chemistry

Colloquia, Spring 2005



- January 20, 2005 *"Imaging Single Bio-molecules and -particles in Solution and in Live Cells."*
Professor Xiaowei Zhuang Harvard University Sponsor: WISC
- January 27, 2005 *"Voltage Driven Translocation and Unzipping Kinetics of DNA Molecules Using a Nanopore."*
Professor Amit Meller Harvard University Sponsor: Prof. Reichman
- February 3, 2005 *"Transition Metal-Catalyzed Hydrogen Transfer Reactions. Mechanism and Synthetic Applications."*
Professor Jan-Ehring Bäckvall Stockholm University Sponsor: Prof. Norton
- February 4, 2005 **Arun Guthikonda Memorial Lecture** *"Novel Macromodels via Alternative Translations of the Genetic Code."*
Professor David A. Tirrell California Institute of Technology Sponsor: Prof. Ronald Breslow
- February 10, 2005 *"Towards Supramolecular Assembly of Catalysts"*
Professor David Lynn Emory University Sponsor: Prof. Koji Nakanishi
- February 17, 2005 *"Oxygen Production by Photosynthesis: What Have We Learned and Where are We Headed?"*
Professor David Britt University of California, Davis Sponsor: Prof. Ann McDermott
- March 3, 2005 *"Silicon as a Lewis Acid: New Strategies and Opportunities for Asymmetric Synthesis."*
Professor James Leighton Columbia University
- March 10, 2005 *"Watching Molecules Diffuse at Hard and Soft Surfaces"*
Professor Steve Granick University of Illinois, Urbana-Champaign Sponsor: Prof. Laura Kaufman
- March 24, 2005 ""
Professor Ralph Hirschmann University of Pennsylvania Sponsor: Prof. Koji Nakanishi
- March 31, 2005 *"Mechanistic Studies of Rhenium Complexes in Catalytic and Stoichiometric Reactions"*
Professor Jim Espenson Iowa State University Sponsor: Prof. Jack Norton
- April 7, 2005 *"The Retinoid Cycle and Visual Pigment Regeneration."*
Professor Rosalie Crouch Medical University of South Carolina Sponsor: Prof. Koji Nakanishi
- April 14, 2005 ""
Professor Robert Hamers University of Wisconsin Sponsor: Prof. George Flynn
- April 21, 2005 *"Nonnatural Amino Acids in De Novo Metalloprotein Design"*
Professor Brian Gibney Columbia University Sponsor: Prof. Koji Nakanishi
- April 28, 2005 *"Water Movements in Gels, Cells and Tissues."*
Professor Lakshminarayanan Mahadevan Harvard University Sponsor: Prof. David Reichman
- May 5, 2005 *"Metal Clusters in Biology: An Ongoing Challenge to Inorganic Synthesis"*
Professor Richard Holm Harvard University Sponsor: Prof. Gerard Parkin
- May 12, 2005 **2005 Gilbert Stork Lecture** *"Chemical Studies of Biotic Interactions."*
Professor Jerrold Meinwald Cornell University Sponsor: Prof. Sam Danishefsky
- May 19, 2005 **Wyeth Workshop** Sponsor: Prof. Koji Nakanishi
- May 24-26, 2005 **The Falk-Plaut Lectures**
Professor Peter Schultz The Scripps Research Institute Sponsor: Prof. Virginia Cornish

The Department gratefully acknowledges the support of the Industrial Associates Program.

All lectures take place in 209 Havemeyer at 4:30 p.m. Refreshments will be served before the lecture