



Spring 2005

Departmental Seminars

4:00 p.m., Elgin Room (E-Quad A224)

- February 2 **Kevin Dorfman**, Laboratoire Physicochimie-Curie, CNRS/UMR, Paris
"Ephesia: Separation of Long DNA in Microfluidic Magnetic Arrays"
- February 9 **Jason Baxter**, University of California Santa Barbara
"ZnO Nanowire Dye Sensitized Solar Cells"
- February 16 **Ludwik Leibler**, Matière Molle et Chimie, ESPCI-CNR, Paris
"From Nanostructured Plastics to Green Supramolecular Rubbers: Joys of Self-Assembling"
- February 23 **Tanmay Lele**, Harvard Medical School/Children's Hospital
"Kinetic Basis of Tension-Dependent Control of Focal Adhesions in Capillary Endothelial Cells"
- February 28 **Yu Huang**, Massachusetts Institute of Technology
"A Bottom-up Assembly Approach towards Integrated Nanosystems"
- March 2 **Todd Squires**, California Institute of Technology
"Induced-Charge Electro-Osmosis: towards Portable Microfluidics"
- March 9 **Jamie Link**, California Institute of Technology
"Azide-Bearing Amino Acids in Protein Engineering and Proteomic Profiling"
- March 23 **David Schaffer**, University of California at Berkeley
"Molecular Engineering of Gene and Stem Cell Therapies"
- March 30 **Satish Kumar**, University of Minnesota
"Microscale Flow and Transport Problems arising in Surfactant Rheology, Surface Patterning, and Polymer Electrophoresis"
- April 6 **Robert Kelly**, North Carolina State University
"Hyperthermophilic Microorganisms: Genes, Genomes and Genomics"
- April 13 **Ulrich Weisner**, Cornell University
"Structure Control in Polymer-Inorganic Hybrids"
- April 20 **Benjamin Widom**, Cornell University
"Revisiting the Gibbs Adsorption Equation"
- April 27 **Peter Vekilov**, University of Houston
"Phase Transitions in Protein Solutions"

Refreshments, 3:30 p.m., Lapidus Lounge (E-Quad A214)