Department of Chemical Engineering
Princeton University

Spring 2004

Departmental Seminars

3:30 pm, Refreshments
4:00 pm, Elgin Room, A224 E-Quad

February 4	**Georges Belfort**, Rensselaer Polytechnic Institute *"Protein Unfolding at Interfaces: Slow Dynamics of α-Helix to β-Sheet Transition and Possible Relevance to Van Gogh's Glair (Egg White Varnish)"*
February 11	**David Weitz**, Harvard University *"Formation and Control of Droplets with Microfluidics"*
February 18	**Barbara Wyslouzil**, Ohio State University *"Probing the Structure of Nanodroplet Aerosols"*
February 25	**Jos Derksen**, Delft University *"Simulation of Particle-laden Fluid Flows"*
March 3	**Jennifer Elisseeff**, Johns Hopkins University *"Tissue Engineering: From Basic Science to Clinical Application"*
March 10	**Debra Auguste**, Princeton University *"Association of Hydrophobically and Electrostatically-Modified PEG to Liposomes"*
March 24	**Mark Davis**, California Institute of Technology *"Engineering of Synthetic Gene Delivery Systems"*
March 31	**Fernando Escobedo**, Cornell University *"Entropic Effects on the Ordering and Phase Behavior of Biopolymers & Liquia Crystals"*
April 7	**John Van Zee**, University of South Carolina *"Improving Fuel Cell Design and Performance: The Interaction of Computation and Experimental Techniques"*
April 14	**Ken Dill**, University of California, San Francisco *"Protein Folding Kinetics: A New Twist on the Transition State Idea"*
April 21	**Eric McFarland**, University of California, Santa Barbara *Big Reactions on Small Surfaces: Catalysis on Metal Nanoclusters"*
April 28	**George Homsy**, University of California, Santa Barbara *"Some Novel Marangoni Flows"*
May 5	**Manos Mavrikakis**, University of Wisconsin, Madison *"First Principles Methods Applied to Heterogeneous Catalysis: From Resolving Mechanistic Puzzles to Identifying Promising Materials"*
May 12	**Ron Ebler**, Cornell University *"Learning and Predicting Protein Folds"*
May 19	**Gary Slater**, University of Ottawa *"Nanofluidics: Fluids, Polymers and Electro-Osmotic Flows in Really Small Tubes"*