



Departmental Seminars

Wednesdays, 4:00 p.m., Elgin Room, E-Quad A224
(unless otherwise noted)

- February 7 **Alain Laederach**, Stanford University (Bowen Hall Auditorium)
Distinct Contribution of Electrostatics, Initial Conformational Ensemble and Macromolecular Stability in RNA Folding
- February 14 **Farren Isaacs**, Harvard Medical School
Design, Synthesis and Control of Genetic and Genomic Systems
- February 19 (Mon) **Derk Joester**, Weizmann Institute
Wet Look: Investigating Highly Hydrated Matrices in Cell Adhesion and Biomineralization.
- February 21 **Eric R. Weeks**, Emory University
The Colloidal Glass Transition in Tight Spaces
- February 26 (Mon) **Daeyeon Lee**, Massachusetts Institute of Technology (3:00 PM, E-Quad A224)
Surface Engineering Using Layer-by-Layer Assembly of pH-Sensitive Polymers and Nanoparticles
- February 28 **Keith P. Johnston**, University of Texas at Austin
Design of Pharmaceutical Nanoparticle Morphology for Enhanced Therapeutics
- March 7 **Michael S. Wong**, Rice University
Synthesis and Environmental Catalysis of Palladium-coated Gold Nanoparticles
- March 14 **Jeffrey J. Gray**, John Hopkins University
Computational Protein Structure Prediction Applied to Docking, Therapeutic Antibodies, and Allostery
- March 28 **G. Wayne Brodland**, University of Waterloo
The Role of Mechanics in Embryogenesis
- April 4 **Claire S. Adjiman**, Imperial College, London
Bringing a Molecular Dimension To Process Design
- April 11 **Annelise E. Barron**, Northwestern University
Development of a Biomimetic Lung Surfactant
- April 18 **Marc-Olivier Coppens**, Rensselaer Polytechnic Institute
Nature as a Source of Inspiration for Chemical Engineering Design
- April 25 **Steinar Hauan**, Carnegie Mellon University
Design of a MEMS-based Acoustic Wave Biosensor
- May 2 **Daniel A. Fletcher**, University of California – Berkeley
Grace Under Pressure: Cell Mechanics and the Actin Cytoskeleton
- May 9 **Owe Orwar**, Chalmers University of Technology, Sweden
Complex “Life-Like” Behaviors in “Life-Less” Soft-Matter Nanoscale Systems
- May 16 **Konstantinos P. Giapis**, California Institute of Technology
Mercurial Wetting and Other Nanotube Tales

Social Gathering & Refreshments, 3:30 p.m., Lapidus Lounge (E-Quad A214)
For 2/26, Social Gathering & Refreshments will be at 2:30 PM, Lapidus Lounge