

Spring Term 2015

Departmental Seminars

3:30 pm, Refreshments, A214 E-Quad

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

- February 11 **Andrew Tsourkas**, University of Pennsylvania
Engineering Targeted Nanoparticles for Molecular Imaging and Therapeutic Applications
- February 18 **William Green**, Massachusetts Institute of Technology
Making Chemical Kinetics Predictive
- February 25 **James Wells**, University of Cincinnati
Using Embryonic Development as a Guide to Engineer 3D Gastrointestinal Tissues from Human Pluripotent Stem Cells
- March 4 **John Dueber**, University of California, Berkeley
Strategies for Engineering Metabolic Pathways and Improving Flux
- March 25 **Jim Pfaendtner**, University of Washington
Using Computer Simulations to Engineer New Solvents and Interfaces for Controlling the Behavior of Biomolecules
- April 1 **Robert Cohen**, Massachusetts Institute of Technology
Hysteretic Wetting Phenomena: Characterization and Applications
- April 8 **Michael Shuler**, Cornell University
"Body-on-a-Chip": A New Approach to Drug Development

Dudley A. Saville Lecture

M. Scott Shell

University of California, Santa Barbara

Refreshments: 3:30 pm, Friend Center, Convocation Room, FC113

Lecture: 4:00 pm, Friend Center, Convocation Room, FC113

- April 15 *Thermodynamic Balancing Acts in Novel Materials at Interfaces*
- April 22 **Eleftherios Terry Papoutsakis**, University of Delaware
Microparticles as Cellular Communicators to Empower Therapies: The Case of Megakaryocytic Microparticles
- April 29 **James Shorter**, University of Pennsylvania
Engineering Enhanced Protein Disaggregases to Counter Neurodegenerative Disease
- May 6 **Cato T. Laurencin**, University of Connecticut
Regenerative Engineering: The Theory and Practice of a Next Generation Field