

CHEMICAL ENGINEERING DEPARTMENT
10.991 Student Seminar Series
FALL 2009

All Student Seminars are MIT only and will be held in 66-110 unless otherwise noted.

MONDAY, SEPTEMBER 14

3:00 Dr. Dalzell Safety Seminar Room: 34-101

MONDAY, SEPTEMBER 21

3:00 Mahriah Alf Thermoresponsive Polymer Coatings for Membrane Separations

3:30 Miles Barr Flexible Paper-Thin Photovoltaics via Chemical Vapor Deposition

MONDAY, SEPTEMBER 28

3:00 Priyadarshi Panda Stop-Flow Lithography: Platform for complex microparticle synthesis

3:30 Jason Rich Investigating the length-scale dependence of rheological properties of a micro-structured, aging gel

MONDAY, OCTOBER 5

3:00 Jonathan DeRocher Polyelectrolyte Multilayers in Confined Geometries

3:30 Amanda Engler New Functionalized Graft and Block Copolypeptides for Drug and Gene Delivery

MONDAY, OCTOBER 19

3:00 Lam Markely High-Throughput Quantification of Glycoprotein Sialylation

3:30 Mitchell Tai Metabolic Engineering of Oleaginous Yeast for the Production of Biofuels

MONDAY, OCTOBER 26

3:00 Ying Diao Heterogeneous Nucleation and Crystallization of Pharmaceuticals

3:30 Nicholas Musolino Computational Evaluation and Design of Tailored Surfaces for Adsorption-Based Separations in Continuous Manufacturing of Pharmaceuticals

MONDAY, NOVEMBER 2

3:00 Neidi Miller Production of Biofuels from Oleaginous Bacteria

3:30 Kevin Solomon Glucose Valves: A tool for metabolic engineering

MONDAY, NOVEMBER 16

3:00 David Couling

Development of Sorbents for the Cleanup of Coal-Derived Synthesis Gas at Elevated Temperatures

3:30 Gregory Magoon

Improving Accuracy and Broadening Scope in Automated Reaction Mechanism Generation

MONDAY, NOVEMBER 23

3:00 Eric Pridgen

Oral Drug Delivery using Antibody-Nanoparticle Bioconjugates

3:30 Anita Shukla

Polyelectrolyte Multilayer Drug Delivery: Applications in Trauma Relief

MONDAY, NOVEMBER 30

3:00 Christopher Marton

Catalytic Combustion for Direct Thermal-to-Electrical Energy Conversion

3:30 Kevin Nagy

Catalyst Immobilization Techniques for Continuous Flow Synthesis

MONDAY, DECEMBER 7

3:00 Ming Yang

The effect of CD8 on T cell receptor triggering and implications for thymic selection

3:30 Arvind Shankar Prabhakar

Signalling in T cells and its aberrant regulation