



# Seminar Schedule 2008 to 2009

260 Bagley Hall Tuesdays 12:30 to 1:20 p.m.

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9/30/2008

**Designing Materials that Influence Biology**

Prof. Kevin Healy Dept of Bioengineering and Materials Science -- UC Berkeley

10/7/2008

**Organic Photovoltaics: from Molecular Design to Industrial Scale Fabrication**

Asst. Prof. Sean Shaheen University of Denver -- Dept. of Physics and Astronomy

10/14/2008

**Quantum cascade lasers: from systems for chemical sensing to nonlinear optics in terahertz**

Asst. Prof. Mikhail Belkin Electrical and Computer Engineering -- University of Texas, Austin

10/21/2008

**Organic Photovoltaic Cells on Fibers**

Asst Prof Max Shtein Material Science and Engineering -- University of Michigan

10/28/2008

**Multivalent binding to improve molecular imaging and DNA diagnostics**

Asst. Prof. Michael R. Caplan Harrington Department of Bioengineering -- Arizona State University

11/4/2008

**Toward Therapeutic Protein Nanostructures**

Prof. Carston R. Wagner University of Minnesota -- Medicinal Chemistry

11/18/2008

**Nanoscale Engineering of Bio/Material Interfaces**

Prof. Carolyn Bertozzi Dept. of Chemistry -- University of California, Berkley

11/25/2008

**Enabling nanostructures and nanodevices with the atomic force microscope**

Asst. Prof Marco Rolandi Materials Science and Engineering -- University of Washington

12/2/2008

**Bio-Inspired Growth of Polymer-Reinforced Single Crystals**

Prof. Lara Estroff Dept. of Materials Science and Engineering -- Cornell University

12/9/2008

**Overview of the Center for Nanotechnology and NTUF**

Prof Francois Baneyx Center for Nanotechnology -- University of Washington

1/6/2009

**Mechanics of stretchable electronics**

Prof. Yonggang Huang Northwestern University -- Civil and Environmental Engineering

1/13/2009

**Creating and Protecting Intellectual Property at the University of Washington: How You Can Help**

George E. Renzoni, Ph.D. Seattle, WA -- Christensen OConnor Johnson Kindness PLLC

1/20/2009

**How to Face Increasing Challenges for Energy and Environment? Smartly use of Organic Electronics and Photonics**

Prof. Alex Jen University of Washington -- Institute of Advanced Materials & MSE

1/27/2009

**Ethics and Nanotechnology for NNIN Researchers: Survey Findings, Ethical Responsibilities, and a Case Study**

Robert McGinn Stanford University -- Management Science & Engineering

2/3/2009

**Nanomechanics of Memory and Learning**

Prof. Taher Saif University of Illinois at Urbana-Champaign -- Mechanical Science and Engineering

2/10/2009

**Heterogeneous System Integration by Programmable Self-assembly**

Prof. Karl F Böhringer Dept. of Electrical Engineering -- University of Washington

2/17/2009

**Electrochemical Investigations utilizing Nanometer-scale Electrodes and Single Nanoparticles**

Asst. Prof. Bo Zhang Dept. of Chemistry -- University of Washington

2/24/2009

**Silicon Nanophotonics - Manipulating Light on the Nanoscale**

Asst. Prof. Michael Hochberg Dept. of Electrical Engineering -- University of Washington

3/3/2009

**Synthesis of Nanoscale Organic and Metallic Features on Semiconductors**

Prof. Jillian M. Buriak National Institute for Nanotechnology -- University of Alberta

3/10/2009

**Plasmonic Nanostructures: Artificial Molecules**

Prof. Peter Nordlander Dept. of Physics -- Rice University

3/31/2009

**Emerging Technologies for Multiparameter Biological Analysis: Silicon Photonic Biosensor Arrays and Direct, Universal Biophotolithography**

Asst. Prof. Ryan Bailey Department of Chemistry -- University of Illinois at Urbana Champaign

4/7/2009

**Towards a first-principles understanding of water-solid interfaces**

Dr. Angelos Michaelides Interfaces: Catalytic & Environmental -- London Centre for Technology

4/14/2009

**A Rational Approach to the Organization of Polymer-Inorganic Nanorods: from Self-Assembly to Control of Optical Properties**

Prof. Eugenia Kumacheva Dept. of Chemistry -- University of Toronto

4/21/2009

**Electron cryomicroscopy of membrane proteins**

Asst Prof Tamir Gonen University of Washington -- Dept. of Biochemistry

4/28/2009

**Nanostructured functional polymers prepared by ATRP with ppm amounts of Cu**

Prof. Krzysztof Matyjaszewski Carnegie Mellon University -- Dept. of Chemistry

5/5/2009

**Understanding the Behaviors of Reactive Metal Nanoparticles in Solution**

Dr. Don Baer PNNL -- Environmental Molecular Sciences Laboratory

5/12/2009

**Plasmonic Antennas as Tunable Sensing and Spectroscopy Platforms**

Asst. Prof. Jennifer S. Shumaker-Parry Dept. of Chemistry -- University of Utah

5/19/2009

**Piezoresistors, force sensors, and touch receptors**

Asst. Prof. Beth L. Pruitt Dept. of Mechanical Engineering -- Stanford University

5/26/2009

**Engineering molecular circuitry with DNA**

Asst. Prof. Georg Seelig University of Washington -- Department of Electrical Engineering

6/2/2009

**Getting Organized at the Nanoscale with Thermotropic Liquid Crystal Solvents**

Prof. David Patrick Western Washington University -- Dept. of Chemistry

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