

CENTER FOR
NANO TECHNOLOGY
. AT THE UNIVERSITY OF WASHINGTON



Seminar Schedule 2006 to 2007

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

9/27/2006

Autumn 2006 Starts

10/3/2006

Introduction to Nanotechnology at the University of Washington

Center for Nanotechnology, University of Washington -- Directors and Managers

10/10/2006

Quantum Dot Nanoprobes for Sensing and Probing Cellular Processes

Hedi Mattoussi, PhD Division of Optical Sciences -- U.S. Naval Research Laboratory

10/17/2006

Organic Electronics: Design and synthesis of polymers to device fabrication

Asst. Prof. Christine Luscombe University of Washington -- Material Science and Engineering

10/24/2006

Combining Biological and Chemical Approaches for the Production of Advanced Materials

Asst. Prof. Kristi L. Kiick Dept. of Material Science and Engineering -- University of Delaware

10/31/2006

Bioresponse to Engineered Topographies

Prof. Anthony B. Brennan University of Florida -- Materials Science & Engineering

11/7/2006

Aqueous RAFT Polymerization to Produce Stimuli Responsive Micelles and Vesicles for Pharmaceutical Applications

Prof. Charles McCormick School of Polymers and High Performance Materials -- University of Southern Mississippi

11/14/2006

Engineering Microstructures of Active Materials

Asst. Prof. Jianguy Li University of Washington -- Dept. of Mechanical Engineering

11/21/2006

Extending Moore's Law Using Nanotechnology

Robert Chau, Director INTEL CORPORATION -- Transistor Research and Nanotechnology

12/5/2006

Bandgap and Composition Engineered Colloidal Nanocrystals

Prof. Xiaogang Peng University of Arkansas -- Dept. of Chemistry

1/9/2007

Gene delivery for controlling the cell microenvironment

Assoc. Prof. Lonnie D. Shea Northwestern University -- Dept. of Chemical and Biological Engineering

1/16/2007

Cells, Gels and surfaces: Life in the hydrophilic environment

Gerald Pollack Dept. of Bioengineering -- University of Washington

1/23/2007

What Can A Bioengineer Do about HIV/AIDS? Controlled and Triggered Release of Antiviral Microbicides

Asst. Prof. Patrick F. Kiser Department of Bioengineering -- University of Utah

1/30/2007

Using Solid Mechanics to Assist the Engineering of Nanostructures

Asst. Prof. Li Tan Nebraska Center for Materials and Nanoscience -- University of Nebraska

2/6/2007

Optics on the nanoscale: imaging and spectroscopy with optical antennas

Asst. Prof. Markus Raschke University of Washington -- Dept. of Chemistry

2/13/2007

Creating a Nanotechnology Startup Company

Robert Paull, Lux Capital -- Co-Founder & Managing Partner

2/16/2007

Evaporation-Induced Self Assembly (EISA) of Porous and Composite Nanostructures

Prof. C. Jeff Brinker -- University of New Mexico and Sandia National Lab

2/20/2007

Smart MRI Contrast Agents Do Need Help of Nanotechnology

Asst. Prof. Shanrong Zhang University of Washington -- Dept. of Radiology

2/27/2007

Micro- and Nanoscale Robotics

Prof. Metin Sitti Carnegie Mellon University -- Department of Mechanical Engineering

3/6/2007

Fabrication and Characterization of Biological and Chemical Architectures on Organic and Inorganic Surfaces

Asst. Prof. Alben Ivanisevic Purdue University -- Biomedical Engineering

3/13/2007

Genetically Engineered Molecular Materials for Technology and Medicine

Prof. Mehmet Sarikaya University of Washington -- GEMSEC

1/9/2007

Gene delivery from tissue engineering scaffolds

Assoc. Prof. Lonnie D. Shea, Northwestern University -- Dept. of Chemical and Biological Engineering

1/16/2007

Cells, Gels and surfaces: Life in the hydrophilic environment

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Controlled and Triggered Release Antiviral Microbicides

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1/30/2007

Using Solid Mechanics to Assist the Engineering of Nanostructures

Asst. Prof. Li Tan, Nebraska Center for Materials and Nanoscience -- University of Nebraska

2/6/2007

Magnetic Sensors and Mass Storage

Prof. Harsh Chopra, SUNY-Buffalo University -- Mechanical and Aerospace Engineering

2/13/2007

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Genetically Engineered Molecular Materials for Technology and Medicine

Prof. Mehmet Sarikaya, University of Washington -- GEMSEC

3/27/2007

Biophotonic Imaging by Catching Echoes of Light

Asst. Prof. Xingde Li University of Washington -- Dept of Bioengineering

4/3/2007

Life as a lipid: rafts, dynamics and interactions

Asst Prof. Erin D Sheets Dept. of Chemistry -- Pennsylvania State University

4/10/2007

Moving quantum dots toward clinical applications

Marcel Bruchez, Ph.D. Carnegie Mellon University -- Department of Chemistry

4/17/2007

Circularly Polarized Emission from Colloidal Nanocrystal Quantum Dots Confined in Microcavities formed by Chiral Mirrors

Asst. Prof. Jian Xu Pennsylvania State University -- Dept. of Engineering Science and Mechanics

4/24/2007

ENZYME CATALYSIS PROVIDES NEW PARADIGMS IN BIOMATERIALS SYNTHESIS AND MODIFICATION

Prof. Richard A. Gross Polytechnic University -- Dept. of Chemical and Biological Sciences

5/1/2007

Microstructured Gels for Microvascular Tissue Engineering

Asst. Prof. Joe Tien Boston University -- Dept. Biomedical Engineering

5/8/2007

Bionanomaterials from Flagella of Mesophilic Bacteria

Prof. Subra Muralidharan Nanotechnology Research and Computation Center -- Western Michigan University

5/15/2007

Nanophotonics: Qualitative Innovation in Optical Science and Technology

Prof. Motoichi Ohtsu Department of Electronics Engineering -- University of Tokyo

5/22/2007

Chemical Strategies in Nanoscience

Assoc. Prof. Stanislaus S. Wong State University of New York -- Dept. of Chemistry

5/29/2007

Nanostructured Materials by Electrospinning

Prof. Younan Xia University of Washington -- Department of Chemistry

The University of Washington is committed to providing access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation in the application process contact the department at (206) 616-9760 or the Disability Services Office at least ten days in advance at: (206) 543-6450/V, (206) 543-6452/TTY, (206) 685-7264 (FAX), or e-mail at dso@u.washington.edu