

Nanotechnology Seminars 2003 to 2004

All seminars took place in Bagley Hall Room 260 (On the 2nd floor, near the stairwell closest to the loading dock and Benson Hall) on Tuesdays at 12:30 - 1:20 PM

9/30/2003

Overview of the Center for Nanotechnology and our PhD Option in Nanotechnology Directors and Staff University of Washington -- Center for Nanotechnology

10/2/2003

Special Seminar – “Phase transitions in polymer gels”
Prof. Karel Dusek Prague -- Institute of Macromolecular Chemistry

10/7/2003

From Nanoparticles to Nanolithography: Dots, Diodes, and DNA
Asst. Prof. David Ginger University of Washington -- Department of Chemistry

10/14/2003

Supramolecular Electroluminescent Zinc (II) Bis(8-Quinolinolato) Chelates..Is Larger Better?
Dr. Linda S. Sapochak -- Pacific Northwest National Laboratories

10/21/2003

Molecular Conformation and Chemical Group Orientation at Interfaces: Detection by Sum Frequency Generation Vibrational Spectroscopy.
Asst. Prof. Zhan Chen University of Michigan -- Dept. of Chemistry and Biophysics

10/28/2003

Electrochemical Atomic Layer Epitaxy
John L. Stickney University of Georgia -- Dept. of Chemistry

11/4/2003

Gaining Control in the Synthesis of Single Walled Carbon Nanotubes
Jie Liu, Asst. Prof. Duke University -- Dept. of Chemistry

11/18/2003

Mechanism-Driven Synthesis and Surface Chemistry of Colloidal Nanocrystals
Xiaogang Peng, Asst. Prof. University of Arkansas -- Department of Chemistry

11/25/2003

Special Seminar - Micro Seminar: X-Ray Structure and Mechanism of the Lactose Permease of Escherichia coli
Prof. Ron Kaback University of California - LA -- Dept of Microbiology

12/2/2003

Shear-sensor properties of bacterial adhesins
Evgeni Sokurenko University of Washington -- Dept. Microbiology

12/9/2003

!CANCELLED! - Synthesis of Nanoscale Organic and Metallic Features on Semiconductors
Prof. Jillian M. Buriak University of Alberta -- National Institute for Nanotechnology

1/6/2004

!CANCELED - SNOW! Cells, Gels and the Engines of Life: A Fresh Paradigm for Cell Function

Prof. Gerald H. Pollack University of Washington -- Bioengineering

1/13/2004

The chemistry of Au clusters supported on titania: early steps towards understanding the mechanism of propene epoxidation

Dr. Horia Metiu University of California -- Depts. of Chemistry & Biochemistry

1/20/2004

A route from self-assembling gel nanoparticles to crystalline hydrogels

Professor, Zhibing Hu University of North Texas -- Department of Physics

1/27/2004

Self-Assembly of Nanotubes from DNA tiles

Asst. Prof. Deborah Fygenson University of California, Santa Barbara -- Dept of Physics

2/3/2004

Towards deterministic bottom-up assembly of metal nanoparticles

Asst. Prof. Christine D. Keating Pennsylvania State University -- Department of Chemistry

2/10/2004

Hybrid Nanostructures and Devices

Asst. Prof. Seunghun Hong Department of Physics -- Seoul National University

2/17/2004

Single Enzyme Nanoparticles

Dr. Jungbae Kim -- Pacific Northwest National Laboratories

2/24/2004

Basic Problems in Cell physiology in Need of Basic Solutions in Nanotechnology

Prof. Peter Detwiler University of Washington -- Depts. of Physiology & Biophysics

3/2/2004

Modelling Proteomes

Asst. Prof. Ram Samudrala University of Washington -- Dept. of Microbiology

3/9/2004

Control of electronic structure of type II heterojunctions through nanoengineering

Maciej Gutowski, PhD Pacific Northwest National Laboratory -- Molecular Interactions & Transformations

3/30/2004

Self-Assembly in Nano- and Microelectronics: From Integrated Molecular Electronics to Self-Assembled Silicon Circuits

Asst. Prof. Babak Parviz University of Washington -- Dept. of Electrical Engineering

4/6/2004

Measuring and Manipulating Molecular Organisation on the Nanometre Scale

Graham J Leggett The University of Sheffield -- Department of Chemistry

4/13/2004

Collapse of Langmuir Monolayers

Dr. Ajay Gopal University of Chicago -- Institute for Biophysical Dynamics

4/20/2004

From Nanoscale Building Blocks to Macroscopic Devices

Asst. Prof. Yunfeng Lu Tulane University -- Chemical Engineering Department

4/27/2004

Controlled Assembly and Patterning of Multilayers for Power, Display and Bioapplications

Assoc. Prof. Paula T. Hammond Massachusetts Institute of Technology -- Dept. of Chemical Engineering

5/4/2004

The Mechanism of Microtubule Depolymerization by Kinesin-related proteins.

Assoc. Prof. Linda Wordeman University of Washington -- Physiology & Biophysics

5/11/2004

Regulatory proteins that sense nanostructures: The coupling of gene regulation to flagellum assembly in Salmonella

Kelly Hughes University of Washington -- Dept of Microbiology

5/18/2004

Synthesis, Assembly and Reactivity of Metallic Nanorods.

Prof. Catherine Murphy University of South Carolina -- Dept. of Chemistry and Biochemistry

5/25/2004

Electrodeposition of nanostructured ceramic and composite films

Assoc. Prof. Igor Zhitomirsky McMaster University -- Materials Science and Engineering

6/1/2004

Synthesis of Nanoscale Organic and Metallic Features on Semiconductors

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