



Seminar Schedule 2011 to 2012

Tuesdays 12:30 to 1:20 p.m.

10/4/2011

“Photovoltaics and the Nanoscale - materials and devices for energy generation”

Prof. Angus Rockett, University of Illinois at Urbana-Champaign -- Dept. of Materials Science & Engineering

10/11/2011

“Supramolecular Self-assembly at Surfaces”

Asst. Prof. Steven Tait, Dept. of Chemistry -- Indiana University

10/18/2011

“Probing Material Properties at Nanoscale Using Multi-functional Scanning Probe Microscopy”

Asst Prof Yi Gu, Washington State University -- Department of Physics and Astronomy

10/25/2011

“The UW Nanotoxicology Center: Using systems genetics/genomics to inform the design and manufacture of safer nanomaterials”

Prof. Terrance J. Kavanagh, University of Washington -- Center of Ecogenetics and Environmental Health

11/1/2011

“Hyper-Raman scattering with and without plasmonic enhancement”

Prof. Anne Myers Kelley, University of California, Merced -- Dept. of Chemistry

11/8/2011

“Polymers for DNA Vaccine Delivery: Novel Materials and Biological Mechanisms”

Prof. Chun Wang, University of Minnesota -- Dept. of Biomedical Engineering

11/15/2011

“Biomedical nanomagnetism: A spin through new possibilities in imaging, diagnostics and therapy”

Prof. Kannan M. Krishnan, University of Washington -- Dept. of Materials Science & Physics

11/22/2011

“Optical Interactions of Metal Nanoparticles and Quantum Dots”

Dr. Stephen K. Gray, Argonne national Laboratories -- Chemical Sciences and Engineering Division

11/29/2011

CANCELLED

12/6/2011

“Nano-Boundary Layer and Nano-Vortex Core”

Prof. Percival D. McCormack, University of Illinois at Chicago -- College of Engineering

1/3/2012

“New Routes to Diamond- and Graphene- Aerogels”

Prof. Peter J. Pauzauskie, Dept. of Materials Science & Engineering – University of Washington

<p>1/10/2012 “The nano-optics of plasmonic optical tweezers, SERS substrates and multi-colored silicon nanowires” Assoc. Prof. Kenneth B. Crozier, Dept. of Electrical Engineering – Harvard University</p>
<p>1/17/2012 “Technical challenges and opportunities in point of care diagnostics” Res. Asst. Prof, Barry R. Lutz, Department of Bioengineering – University of Washington</p>
<p>1/24/2012 “Engineering Approaches to Immunology and Immunotherapy” Assoc. Prof. Darrell Irvine, Depts. of Materials Science and Engineering & Biol – Massachusetts Institute of Technology</p>
<p>1/31/2012 “Structural Measurements of Polymer-Fullerene Blend Films for Organic Photovoltaics” Dean M. DeLongchamp, NIST – Materials Measurement Lab</p>
<p>2/7/2012 “Engineered plasmonic nanostructures for biotechnology and photonics” Asst Prof Sang-Hyun Oh, Laboratory of Nanostructures and Biosensing – U. of Minnesota-Twin Cities</p>
<p>2/14/2012 “Super-resolution imaging of plasmonic nanoparticle hot spots” Asst. Prof. Katherine Willets, Dept. of Chemistry & Biochemistry – University of Texas at Austin</p>
<p>2/21/2012 “Self-assembly of ‘colloidal-molecules’ based on controlled steric stabilization” Asst. Prof Danilo Pozzo University of Washington -- Dept. of Chemical Engineering</p>
<p>2/28/2012 “Nanotechnology approaches for regulating cancer/stem cell fate” Asst. Prof. KiBum Lee, Dept. of Chemistry & Chemical Biology – Rutgers, State University of New Jersey</p>
<p>3/6/2012 “Quantum Dots Near-field Electroluminescence - Microcontact Printing, Near-field Imaging and Early Cancer Detection” Prof. John Zhang, Dept. of Biomedical Engineering – University of Texas</p>
<p>3/27/2012 “Bionanoelectronics with nanowires & nanotubes” Assoc. Prof. Aleksandr Noy, School of Natural Sciences -- University of California, Merced</p>
<p>4/3/2012 “Quantum Confined Nanocrystals as building blocks for next generation photovoltaics” Prof. Tobias Hanrath, School of Chemical & Biomolecular Engineering -- Cornell University</p>
<p>4/10/2012 “Optical Interference for multiplexed, label-free, & dynamic biosensing: protein, DNA & single virus detection” Prof. Selim Ünlü, Depts of Electrical, Computer, Biomedical Engr. -- Boston University</p>
<p>4/17/2012 “(Re)Engineering gene delivery: Toward construction of artificial viruses.” Prof. Daniel W. Pack, Dept. of Chemical & Biomolecular Engineering -- University of Illinois</p>
<p>4/24/2012 “Energy dissipation & conversion in nanoelectronics: Examples from graphene to phase-change materials” Prof. Eric Pop, Dept. of Electrical & Computer Engineering -- University of Illinois Urbana-Champaign</p>

5/1/2012

“Hopping, turning & driving single molecules with inelastically tunnelling electrons”

Prof. Dr. Karl-Heinz Ernst, Laboratory for Nanoscale Materials Science Empa -- Swiss Federal

5/8/2012

“Nanoparticle platforms for molecular imaging & drug/gene delivery”

Xiaoyuan Chen, Division of Discovery Science & Technology Democ -- Nano Program Director NIBIB

5/15/2012

“Plasmonics: From quantum effects to fano interference & light harvesting”

Prof. Peter J. A. Nordlander, Dept. of Physics & Astronomy -- Rice University

5/22/2012

“Charges at nanoscale interface & the implication on energy & biomedical applications”

Asst Prof. Gangli Wang, Dept. of Chemistry -- Georgia State University

5/29/2012

“Imaging & spectroscopy of wet electron states on TiO₂”

Prof. Geoff Thornton, Dept. of Chemistry -- University College London

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