

Thursday, October 30, 2014

2:30 p.m. **Professor Hao Xu**
Georgia State University
Searching for New Reactivity: Iron-Catalyzed Stereoselective Olefin Aminoxyhydroxylation and Aminofluorination Reactions through N-O Bond Activation of Functionalized Hydroxylamines

Thursday, November 6, 2014

2:30 p.m. **Professor Todd Krauss**
University of Rochester
Semiconductor Nanocrystals for Robust and Efficient Solar Hydrogen Production

4:00 p.m. **Professor Jon Thorson**
University of Kentucky
Strategies for Microbial Natural Products Discovery and Diversification

Thursday, November 13, 2014

4:00 p.m. **Professor Tom Mallouk**
Penn State University
Power to the Puny: How Do You Make a Micro-Robot?

**28th Annual
FREDERICK KAUFMAN MEMORIAL
LECTURE SERIES
Professor Abraham Nitzan
Tel Aviv University**

Wednesday, November 19, 2014

4:00 p.m. *Molecular Conduction and Beyond*

Thursday, November 20, 2014

2:30 p.m. *Beyond Molecular Conduction: Optical, Thermal and Spin Selectivity Effects in Molecular Conduction Junctions*

**33rd Annual
PITTSBURGH CONFERENCE LECTURES**

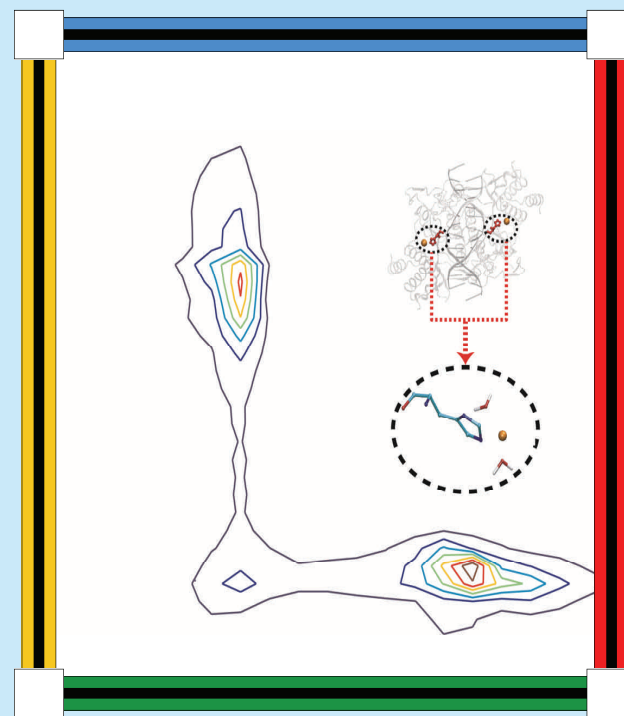
**Professor Robert Langer
Massachusetts Institute of Technology**

Monday, November 24, 2014

4:00 p.m. *Biomaterials and Biotechnology: From the Discovery of the First Angiogenesis Inhibitors to the Development of Controlled Drug Delivery Systems and the Foundation of Tissue Engineering*

Changes in seminar dates, times and location are not unusual. Before visiting the University of Pittsburgh Department of Chemistry for a seminar, please call 412-624-8200 or check www.chem.pitt.edu for up-to-date information

University of Pittsburgh Department of Chemistry



**CHEMISTRY COLLOQUIA
September through December
2014**

**CHEVRON SCIENCE CENTER
Ashe Auditorium 150**

Thursday, August 28, 2014

2:30 p.m. **Professor Ksenija Glusac**
Bowling Green State University
Towards Catalysis of Uphill Reactions: Light as the Energy Source

Thursday, September 4, 2014

2:30 p.m. **Professor Seth Horne**
University of Pittsburgh
Biomimetic Agents and Designer Materials from Protein-like Molecules Beyond Nature's Covalent Structures

Wednesday, September 10, 2014

2:30 p.m. **Professor Aaron Esser-Kahn**
University of California—Irvine
Chemical Biology Approaches to Immunity—Probing a Code Without a Key

Thursday, September 11, 2014

2:30 p.m. **Professor Amanda Hummon**
University of Notre Dame
Imaging Mass Spectrometry of 3D Cell Culture

4:00 p.m. **Professor Nicholas Kotov**
University of Michigan
Terminal, Extended and Chiral Assemblies of Nanoparticles

Thursday, September 18, 2014

2:30 p.m. **Professor Scott Snyder**
The Scripps Research Institute
Strategies to Create Diverse Collections of Natural Products

4:00 p.m. **Chemistry Department/Pittsburgh Quantum Institute Joint Seminar**
Professor Gregory Scholes
University of Toronto
Photosynthetic Light Harvesting and Ultrafast Energy Transfer

**36th Annual
BAYER
LECTURE SERIES**

Professor Joseph Desimone
University of North Carolina—Chapel Hill

Tuesday, September 23, 2014

4:00 p.m. *Translating Basic Science into Products and the Role of Diversity in Making that Happen*

Wednesday, September 24, 2014

9:00 a.m. *Breakthroughs in Imprint Lithography and 3D Additive Fabrication to Advance NextGen Drug Delivery Technologies*

Thursday, September 25, 2014

2:30 p.m. **Professor Xiangfeng Duan**
University of California—Los Angeles
Two-Dimensional Layered Materials

Thursday, October 2, 2014

4:00 p.m. **Professor Michael Burkart**
University of California—San Diego
Protein-Protein Interactions in Acetate Biosynthetic Pathways

Monday, October 6, 2014

4:00 p.m. **Professor Joel Harris**
University of Utah
Spectroscopy under the Microscope: What's Happening Inside Chromatographic Silica Particles?

Thursday, October 9, 2013

2:30 p.m. **Professor Steven Corcelli**
University of Notre Dame
Solvation Dynamics and Vibrational Spectroscopy in Ionic Liquids

4:00 p.m. **Professor Jack Taunton**
University of California—San Francisco
Selective and Promiscuous Targeting of Protein Kinases with Tunable Electrophilic Inhibitors

Thursday, October 16, 2014

2:30 p.m. **Professor Suljo Linic**
University of Michigan
Conversion of Solar into Chemical Energy on Plasmonic Metal Nanostructures

4:00 p.m. **Professor Abul Hussam**
George Mason University
Arsenic Poison in Drinking Water: Solving a Health Crisis through a Simple and Effective Filtration Technology

Thursday, October 23, 2014

2:30 p.m. **Professor Michael Heien**
University of Arizona
Single-Sensor Arrays for Measuring the Full Range of Neuronal Communication

4:00 p.m. **Professor Robert Haddon**
University of California—Riverside
The Effect of Covalent Chemistry on the Electronic Structure and Properties of Carbon Nanotubes and Graphene: Role of Organometallic Complexation Reactions in the Interconnection of Graphitic Surfaces

Front Page: "2D Electron Spin Resonance Spectroscopy provides a detailed picture of metal-ion coordination in a enzyme-DNA complex. These experiments reveal the microscopic mechanism of DNA recognition and cleavage by this class of enzymes"
Sunil Saxena Group