

CBC Proudly Presents...

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S E R I E S

ESS NEXT IN THE SERIES...



September 29, 2011

Title: Plasmon-Enhanced Optical Phenomena ([Abstract](#)_[1]) ([Poster](#)_[2])

Speaker: [Professor George Schatz](#)_[3]

(Department of Chemistry, Northwestern University)

Location/Time: [Koffler](#)_[4] 218 at 4:00 PM

Host: Rene Corrales



December 1, 2011

Title: TBA

Speaker: Professor Larry Overman

(School of Physical Sciences, University of California, Irvine)

Location/Time: [Koffler](#)_[4] 218 at 4:00 PM

Host: Jon Njardarson

2012

January 26, 2012

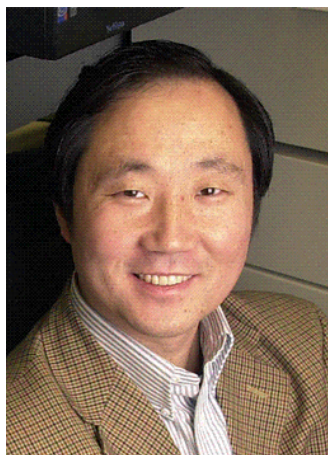
February 23, 2012

March 29, 2012

April 19, 2012



2011



January 13

Title: Designing Functional Metalloproteins: The Importance of Non-Covalent Secondary Interactions in Conferring and Fine-tuning Enzymatic Activities ([Abstract](#) ^[5]) ([Poster](#) ^[6])

Speaker: Professor Yi Lu (Department of Chemistry, University of Illinois)

Host: Elisa Tomat



April 7

Title: What Drives Protein Amyloid Aggregation, Crystallization, and Denaturation Catastrophes ([Abstract](#) ^[7])

Speaker: Professor Ken Dill (The Laufer Center, Stony Brook University)

Host: Andrew Hausrath



April 29

Title: DNA-mediated Signaling ([Poster](#) ^[8])

Speaker: Professor Jacqueline Barton (Department of Chemistry and Chemical Engineering, Caltech, California Institute of Technology)

Host: Elisa Tomat

2010

April 28

Title: TBD

Speaker: Professor Jacqueline Barton (Department of Chemistry and Chemical Engineering, Caltech (California Institute of Technology))

May 6

Title: Life at the Single-Molecule Level

Speaker: Dr. Xiaoliang Sunney Xie (Mallinckrodt Professor of Chemistry and Chemical Biology, Harvard University)

2004 - 2009

2009

January 16

Title: Mimicking the Structure and Function of DNA ([Abstract](#) ^[9])

Speaker: Professor Eric T. Kool (Department of Chemistry, Stanford University)

October 5

Title:

X-Ray Probing of Atomic and Molecular Dynamics, Toward the Attosecond Limit ([Abstract](#) ^[10])

Speaker: Professor Stephen Leone (Department of Chemistry and Physics, University of California, Berkeley)

November 12

Title: Design of Catalysts for Asymmetric Synthesis ([Abstract](#) ^[11])

Speaker: Professor Hisashi Yamamoto (Chemistry, University of Chicago)

2008

February 4

Title: Excited Electronic States in Carbon Nanotubes ([Abstract](#) ^[12])

Speaker: Professor Louis Brus (Chemistry Department, Columbia University)

April 28

Title: Block Copolymer-Based Nanolithographic Processes ([Abstract](#) ^[13])

Speaker: Professor Thomas P. Russell (Department of Polymer Science and Engineering, University of Massachusetts Amherst)

November 10

Title: Caspases: Nature's Cellular Demolition Experts ([Abstract](#) ^[14])

Speaker: Professor James A. Wells (UCSF Helen Diller Family Comprehensive Cancer Center, University of California, San Francisco)

2007

February 12

Title: Magic Nanobullets: Nanophotonicsensors and Cancer Nanomedicine ([Abstract](#) ^[15])

Speaker: Professor Raoul Kopelman (Department of Chemistry, The University of Michigan)

March 5

Title: Tolerance and Intolerance in Protein Structure and Function

Speaker: Professor Brian Matthews (Institute of Molecular Biology, University of Oregon)

April 9

Title: Chemical and Biological Studies of Platinum Anticancer Drugs ([Abstract](#) ^[16])

Speaker: Professor Steve Lippard (Department of Chemistry, Massachusetts Institute of Technology)

April 30

Title: Charge and Spin Transport Dynamics in Bio-inspired Molecules: From Photosynthesis to Organic Electronics ([Abstract](#) ^[17])

Speaker: Professor Michael R. Wasielewski (Department of Chemistry, Northwestern University)

October 8

Title:

The Mechanism of mRNA-tRNA Translocation as Inferred by Cryo-EM ([Abstract](#) ^[18])

Speaker: Dr. Joachim Frank (Howard Hughes Medical Institute, HRI, Wadsworth Center, Empire State Plaza)

2006

January 23

Title: Molecular Junction Transport: Phenomenology and Interpretation

Speaker: Dr. Mark Ratner (Department of Chemistry, Northwestern University)

March 6

Title: The Mechanisms of the Therapeutic Strategies Against Misfolding Diseases

Speaker: Dr. Jeffrey W. Kelly (Department of Chemistry, The Scripps Research Institute)

April 24

Title: Blind, Deaf and Tough -- Having Fun with Periodic Polymers

Speaker: Dr. Edwin Thomas (Morris Cohen Professor of Materials Science and Engineering Director, Institute for Soldier Nanotechnologies, Massachusetts Institute of Technology)

September 11

Title: Structure Determination of Membrane Proteins by NMR Spectroscopy ([Abstract](#) ^[19])

Speaker: Professor Stan Opella (Department of Chemistry and Biochemistry, University of California, San Diego)

November 6

Title: Proteins: Energy Landscape, Fluctuations, and Function ([Abstract](#) ^[20])

Speaker: Dr. Hans Frauenfelder (Center for Nonlinear Studies, Los Alamos National Laboratory (LANL))

December 4

Title: Designing, Measuring and Controlling Molecular- and Supramolecular-Scale Properties for Molecular Devices ([Abstract](#) ^[21])

Speaker: Professor Paul S. Weiss (Department of Chemistry, The Pennsylvania State University)

2005

May 2

Title: The surprising electronic energy landscape of conjugated polymers

Speaker: Dr. Paul Barbara (Department of Chemistry & Biochemistry, University of Texas at Austin)

2004

December 6

Title: Computational Modeling of Organic Reactions: Mechanisms, Dynamics, and Selectivities

Speaker: Dr. Kendall N. Houk (Department of Chemistry and Biochemistry, University of

California, Los Angeles)

[Event](#)^[22] [Calendar](#) ^[23]

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Links:

- [1] <http://www.cbc.arizona.edu/abstracts/2138.pdf>
- [2] http://www.cbc.arizona.edu/sites/default/files/seminars/ESS_Dr._Schatz_Poster.pdf
- [3] <http://www.theory.northwestern.edu/schatz/>
- [4] <http://iiewwww.ccit.arizona.edu/uamap/staticLarge/113.html>
- [5] <http://www.cbc.arizona.edu/abstracts/1827.pdf>
- [6] http://www.cbc.arizona.edu/sites/default/files/seminars/YiLu_Poster_Final_Version.pdf
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- [14] <http://www.cbc.arizona.edu/abstracts/1326.pdf>
- [15] <http://www.cbc.arizona.edu/abstracts/897.pdf>
- [16] <http://www.cbc.arizona.edu/abstracts/899.pdf>
- [17] <http://www.cbc.arizona.edu/abstracts/900.pdf>
- [18] <http://www.cbc.arizona.edu/abstracts/1159.pdf>
- [19] <http://www.cbc.arizona.edu/abstracts/893.pdf>
- [20] <http://www.cbc.arizona.edu/abstracts/894.pdf>
- [21] <http://www.cbc.arizona.edu/abstracts/895.pdf>
- [22] <http://www.chem.arizona.edu/taxonomy/term/23>
- [23] <http://www.chem.arizona.edu/taxonomy/term/25>