Columbia University Department of Chemistry
Fall 2009 Colloquia

Sep-8-10-2009 (Tue-Thu)

**The Falk-Plaut Lectures**

*FIRST LECTURE: “Studies of the torsional properties of single DNA molecules: an old problem with a new twist”*

*SECOND LECTURE: “The role of topology in the folding cooperativity of a protein”*

*THIRD LECTURE: “Grabbing the cat by the tail: Discrete steps by a DNA packaging motor and the inter-subunit coordination in a ring-ATPase”*

Hosted by Prof. Ann McDermott

Presented by Prof. Carlos Bustamante, University of California-Berkeley

Sep-17-2009

**The Bristol-Myers Squibb Lecture**

“Epoxide-Opening Cascades”

Hosted by Prof. Scott Snyder

Presented by Prof. Timothy Jamison, MIT

“Vignettes in Kinase Inhibitor Drug Discovery: Evolution of a Drug Target Class”

Presented by Dr. Joel Barrish, Vice President, Immunology and Metabolic Diseases Chemistry, Bristol-Myers Squibb

Sep-24-2009

“How Nature Uses Oxygen: Lessons from Enzymes and Model Compounds”

Hosted by Prof. Ronald Breslow

Presented by Prof. John T. Groves, Princeton University

Oct-1-2009

**The Boehringer/Ingelheim Lecture**

“Asymmetric Catalysis with Chiral H-Bond Donors”

Hosted by Prof. James Leighton

Presented by Prof. Eric Jacobsen, Harvard

Oct-8-2009

“Nonlinear elastic materials to direct cell growth”

Hosted by Prof. Laura Kaufman

Presented by Prof. Paul Janmey, University of Pennsylvania School of Medicine


“Finding where the electrons are and what they are doing there: Applications in biology, materials, and catalysis.”

Hosted by Prof. Jack Norton

Presented by Prof. Dennis L. Lichtenberger, University of Arizona

Oct-22-2009

“Insight into Protein Function Through Genome-wide Investigations”

Hosted by Prof. Brent Stockwell

Presented by Prof. Gavin MacBeath, Harvard

Oct-29-2009

“Chemical Insights from Molecular Force Probes”

Hosted by Prof. Jack Norton

Presented by Prof. Roman Boulatov, University of Illinois at Urbana-Champaign

Nov-5-2009


Hosted by Prof. Gerard Parkin

Presented by Prof. Pat Holland, University of Rochester

Nov-12-2009

“Development and Application of Complexity-Building Reactions”

Hosted by Prof. James Leighton

Presented by Prof. Jeffrey Johnson, University of North Carolina, Chapel Hill

Nov-19-2009

“Exploring Conductance Switching Properties of Molecular Scale Devices: A Computational Approach”

Hosted by Prof. Richard Friesner

Presented by Prof. Barry Dunietz, University of Michigan, Ann Arbor

Dec-3-2009

“Putting a spin on chemical processes”

Hosted by Prof. Nick Turro, Columbia University

Presented by Prof. Nick Turro

Dec-10-2009

“Molecular Plasmonics: Nanoscale Sensing and Spectroscopy”

Hosted by Prof. Kenneth Eisenthal

Presented by Prof. Richard P. Van Duyne, Northwestern University

All lectures take place on Thursdays in The Brian Bent Memorial Lecture Hall, Room 209 Havemeyer Hall at 4:30pm (unless otherwise indicated)

Tea & cookies will be served in The Miller Seminar Room 328 Havemeyer Hall prior to each lecture.

Please check our web site for updates at: [http://www.columbia.edu/cu/chemistry/misc-pages/calendar.html](http://www.columbia.edu/cu/chemistry/misc-pages/calendar.html)