Columbia University Department of Chemistry
Spring 2009 Colloquia

Jan-22-2009
**Padwa Lecture**
“C-H: A New Functional Group for Streamlining Synthesis”
M. Christina White, University of Illinois at Urbana-Champaign
Hosted by Prof. James Leighton

Jan-28-2009
(29th)
**Wyeth Lecture**
“Analysis and design of membrane proteins”
William DeGrado, University of Pennsylvania
Hosted by Prof. Tristan Lambert

Jan-29-2009
**Aspects of collective mecanochemistry and motility**
L. Mahadevan, Harvard University
Hosted by Prof. Angelo Cacciuto

Feb-05-2009
“Optimizing Electrode Materials for Use in Lithium-Ion Batteries: NMR, Diffraction and Electrochemical Studies”
Clare P. Grey, Stony Brook
Hosted by Prof. Jack Norton

Feb-12-2009
**Novartis Lecture**
“A Multi-Dimensional Approach to Molecular Recognition: Structure-Based Design of Enzyme Inhibitors”
François Diederich, Swiss Federal Institute of Technology, ETH Zurich
Hosted by Prof. Dalibor Sames

Feb-19-2009
“Sustainable Energy: Options for the Future. Stabilizing the Carbon Dioxide Content of the Atmosphere”
Klaus Lackner, Columbia University, Department of Geology
Hosted by Prof. Bruce Berne

Feb-24-2009
(Tue)
“Complex Natural Products as a Driving Force for Discovery in Organic Chemistry”
Brian Stoltz, California Institute of Technology
Hosted by Prof. Tristan Lambert

Feb-26-2009
“Nanostructural Design of Photocatalysts and Photoelectrochemical Cells”
Thomas Mallouk, Penn State University
Hosted by Prof. Jack Norton

Mar-05-2009
“Discovery and Application of Nickel-Catalyzed C-C Bond-Forming Processes”
John Montgomery, University of Michigan
Hosted by Prof. Scott Snyder

Mar-12-2009
**The Brian Bent Memorial Lecture**
“Semiconductor nanowires for energy conversion”
Peidong Yang, University of California - Berkeley
Hosted by Prof. Louis Brus

Mar-26-2009
**Grandpierre Memorial Lecture**
“Towards Synthetic Biology: Functional De Novo Proteins from a Designed Artificial Proteome”
Michael Hecht, Princeton University
Hosted by The Chandler Society

Apr-02-2009
“Complex Alkaloid Total Synthesis”
Mohammad Movassagh, Massachusetts Institute of Technology
Hosted by Prof. James Leighton

Apr-16-2009
**The Ramabrahman and Balamani Guthikonda Memorial Lecture**
“Carbon nanotubes and graphene nanoribbons”
Hongjie Dai, Stanford University
Hosted by Prof. Louis Brus & Columbia University’s Nanocenter

Apr-20-2009
(Mon)
Lecture TBA
EJ Corey, Harvard University
Hosted by Graduate Students

Apr-23-2009
Host: TBD

Apr-30-2009
(309 Havemeyer)
**The Gilbert Stork Lecture**
“Evolution of a Fully Synthetic Route to the Tetracyclines and Its Implementation in the Discovery of New Antibiotics”
Andrew G. Myers, Harvard University
Hosted by Prof. Sam Danishefsky

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.

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