



Colloquium Seminar Series Spring 2015

 **COLUMBIA UNIVERSITY**
IN THE CITY OF NEW YORK
DEPARTMENT OF CHEMISTRY



Thursday, January 22, 2015—**Adam Cohen** (Harvard), hosted by Xiaoyang Zhu: *"Bringing bioelectricity to light"*



Thursday, January 29, 2015—**Mircea Dincă** (MIT), hosted by Jonathan Owen: *"Teaching Sponges New Tricks: Redox Reactivity and Charge Transport in Microporous Metal-Organic Frameworks"*



Thursday, February 05, 2015—**Latha Venkataraman** (Applied Physics & Applied Mathematics, Columbia University), hosted by Colin Nuckolls: *"Chemistry and Physics at the Single-Molecule Level"*



Thursday, February 12, 2015—**Robert Guy Griffin** (MIT), hosted by Ann McDermott: *"Amyloid, Membranes, Microwaves and the Magic Angle"*



Thursday, February 19, 2015—**Teri W. Odom** (Northwestern), hosted by the Graduate Students: *"Gold Nanostar Probes for Imaging and Therapeutics"*



Thursday, February 26, 2015—**R. Morris Bullock** (Pacific Northwest National Laboratory), hosted by Jack Norton: *"Design of Molecular Electrocatalysts for the Production and Oxidation of Hydrogen: Shoving Protons Around With Proton Relays"*



Thursday, March 05, 2015—**Silas Cook** (Indiana University), hosted by Dalibor Sames: *"The Search for Efficiency in Synthesis: From Natural Products to Catalysis"*



Wednesday, March 11, 2015—THE ARUN GUTHIKONDA MEMORIAL LECTURE, **Tom Muir** (Princeton), hosted by Dalibor Sames: *"'Houdini' Proteins: Discovery and Applications of Ultrafast Inteins"*



Thursday, March 12, 2015—**Mark Ratner** (Northwestern), hosted by Xavier Roy: *"Charge Motion in Organic Materials and Molecules: One Size Does Not Fit All"*



Thursday, April 02, 2015—**Mercouri Kanatzidis** (Northwestern), hosted by Jonathan Owen: *"Understanding halide perovskites: New materials for high efficiency all-solid-state solar cells"*



Thursday, April 09, 2015—**Alanna Schepartz** (Yale), hosted by the Women in Science at Columbia (WISC): *"Moving molecules and information through the plasma membrane"*



Thursday, April 16, 2015—THE GRANDPIERRE LECTURE, **Craig Hawker** (University of California, Santa Barbara), hosted by the Chandler Society: *"Novel Chemical Building Blocks for Functional Material Platforms"*



Wednesday, April 22, 2015—THE BRIAN BENT LECTURE, **Dick Zare** (Stanford), hosted by Wei Min: *"Mass Spectrometry, Drop by Drop"*



Thursday, April 30, 2015—**Klaus Schulten** (University of Illinois), hosted by Ruben Gonzalez: *"The Photosynthetic Membrane of Purple Bacteria - A Clockwork of Proteins and Processes"*



Monday, May 18, 2015—THE GILBERT STORK LECTURE, **Melanie Sanford** (University of Michigan), hosted by Ronald Breslow: *"Development of Metal-Catalyzed Reactions for Introducing Fluorine into Organic Molecules"*



Friday, June 5, 2015—THE BRISTOL-MYERS SQUIBB LECTURE, **Matthew Sigman** (University of Utah), **Ruth Wexler** (BMS), hosted by James Leighton: *"Adventures in Cardiovascular Drug Discovery: New Frontiers and Lessons Learned"*-Wexler; *"Analyzing and Predicting Selectivity in Asymmetric Catalysis"*-Sigman

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>.