



The Department of Chemistry at Columbia University

The Fall 2015 Colloquium Seminar Series



September 10th

THE SIGMA LECTURE

Rh(III) Catalysis for C-H Activation

Tom Rovic, Colorado State University

Hosted by James Leighton

October 15th

On the Origin of Biological Homochirality

Donna Blackmond, The Scripps
Research Institute

Hosted by Jack Norton

November 12th

Semiconductor Nanocrystals for Robust and Efficient Solar Hydrogen Production

Todd Krauss, University of Rochester

Hosted by Xiaoyang Zhu and Louis Brus

September 24th

Closing the loop: mechanism-guided design of functional gels

Jeremiah Johnson, Massachusetts Institute of Technology

Hosted by Luis Campos

October 22nd

Harnessing Nuclear Spins, High Magnetic Fields, and Traveling Waves in Pursuit of Human Brain Function and Connectivity

Kâmil Uğurbil, University of Minnesota

Hosted by Louis Brus and Ann McDermott

November 19th

THE ARUN GUTHIKONDA LECTURE

Covalent Mechanochemistry for New Reactions, Self-healing Materials, and Soft Devices

Stephen Craig, Duke University

Hosted by Colin Nuckolls

September 28th (Monday in room 309)

THE CHANDLER MEDAL LECTURE

Using recent advances in electron microscopy to study the mitochondrial ribosome

Venki Ramakrishnan, Medical Research Council Laboratory of Molecular Biology (Cambridge England)

Hosted by Ruben Gonzalez

October 29th

Structure and Reactivity of Oligonuclear Group 11 Metal Complexes

Joseph Sadighi, Georgia Tech

Hosted by Jonathan Owen

December 3rd



Structure and Dynamics in Ordered and Disordered Proteins via Site-Specific Vibrational Probe Groups

Casey Londergan, Haverford College

Hosted by Wei Min

October 1st

Be B12 or be not B12

Bernhard Kräutler, University of Innsbruck, Austria

Hosted by Jack Norton

November 5th

THE RAMABRAHMAM AND BALAMANI GUTHIKONDA LECTURE

Vibrational Stark Spectroscopy Connects Electrostatics to Catalytic Rates at Enzyme Active Sites

Steven Boxer, Stanford University

Hosted by Kenneth Eisenal and Wei Min

December 10th

CHEMISTRY EDUCATION LECTURE

A new organic chemistry curriculum: Teaching the arrows and mechanics before the chemical principles

Alison Flynn, University of Ottawa (Ontario Canada)

Hosted by Laura Kaufman and Sarah Hansen

October 8th

Multiexciton Generation at the Nanoscale

Eran Rabani, University of California, Berkeley

Hosted by Bruce Berne

