



# The Department of Chemistry at Columbia University

## The Spring 2017 Colloquium Seminar Series



January 12, 2017 **at 3:30pm**

### THE BRISTOL MYERS-SQUIBB LECTURE

*"Strategies in Asymmetric Synthesis Enabled by Catalytic Reactions of Boron Reagents"*

**James Morken**, Boston College

*"Discovery of Novel AAK1 Kinase Inhibitors with Potential for Treatment of Neuropathic Pain"*

**Joanne Bronson**, Bristol Myers-Squibb

Hosted by Tom Rovis

January 19, 2017

*"Touring the Protein Energy Landscape: the view depends on how and when you look"*

**Susan Marqusee**, University of California, Berkeley

Hosted by Ruben Gonzalez

January 26, 2017

*"Organoiridium Precatalysts for Water Oxidation, CH Hydroxylation and Alcohol Dehydrogenation"*

**Robert Crabtree**, Yale University

Hosted by Xavier Roy

February 2, 2017

*"Designing brighter dyes for advanced fluorescence microscopy"*

**Luke Lavis**, Howard Hughes Medical Institute—Janelia

Hosted by Dali Sames

February 9, 2017

*"The Promise and Challenges of 3D Super-Resolution Microscopy and Single-Molecule Tracking"*

**WE Moerner**, Stanford University

Hosted by Laura Kaufman

February 16, 2017



*Boracycles in Lewis acid chemistry and the development of new conjugated materials*

**Frieder Jäkle**, Rutgers University, Newark

Hosted by Jack Norton

February 23, 2017

### THE ARUN GUTHIKONDA LECTURE

*"Activity-based proteomics – protein and ligand discovery on a global scale"*

**Ben Cravatt**, The Scripps Research Institute

Hosted by Dali Sames

March 2, 2017

*"Dynamics and mechanisms of sun-damaged DNA repair by photolyases"*

**Dongping Zhong**, Ohio State University

Hosted by Wei Min

March 9, 2017

### THE RAMABRAHMAM AND BALAMANI GUTHIKONDA LECTURE

*"Reactive Intermediates from Anthracene-Based Molecular Precursors: from Applications in Synthesis to Gas-Phase Investigations"*

**Kit Cummins**, Massachusetts Institute of Technology

Hosted by Ged Parkin

March 15, 2017



**Mingji Dai**, Purdue University

Hosted by James Leighton

March 30, 2017 **in room 309**

### THE GILBERT STORK LECTURE

*"Catalytic Methods for Organic Synthesis Inspired by the Organometallic Chemistry of Gold"*

**Dean Toste**, University of California, Berkeley

Hosted by Tom Rovis

April 6, 2017



*"Theory and Simulation of Biomolecular Systems: Overcoming the Multiscale Challenge"*

**Greg Voth**, University of Chicago

Hosted by the Chemistry Graduate Students

April 13, 2017

*"Synthetic Single Site Fe Nitrogenases"*

**Jonas Peters**, California Institute of Technology

Hosted by Jack Norton

April 20, 2017

### THE GRANDPIERRE LECTURE

*"Untangling tau: understanding function of a dysfunctional protein"*

**Elizabeth Rhoades**, University of Pennsylvania

Hosted by The Chandler Society

April 27, 2017

*"How Water Moves Through Porous Two-Dimensional Crystals"*

**Joel Eaves**, University of Colorado, Boulder

Hosted by Dave Reichman



COLUMBIA UNIVERSITY  
IN THE CITY OF NEW YORK

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All lectures take place on Thursdays at 4:30pm in room 209 Havemeyer, unless otherwise indicated. Tea and cookies will be served 30 minutes prior to each lecture in room 328 Havemeyer.

Please check our website for updates. If you would like to be added to our email list, please email your request to [d.farrell@columbia.edu](mailto:d.farrell@columbia.edu).