



The Department of Chemistry at Columbia University

The Fall 2017 Colloquium Seminar Series



September 7, 2017

THE ARUN GUTHIKONDA LECTURE
Flow of Energy & Charge in Porphyrin Nanostructures
Harry Anderson, Oxford University
Hosted by Latha Venkataraman

September 14, 2017

Charge Transfer Dynamics, Excited State Energetics, and Organic Photovoltaics
Nandini Ananth, Cornell University
Hosted by Luis Campos and David Reichman

September 21, 2017

Aspects of Redox Non-Innocence in Di-amide-di-imide (dadi) Titanium Chemistry, and Quest for "Fe(IV)" Alkylidenes
Peter Wolczanski, Cornell University
Hosted by Gerard Parkin

September 28, 2017

It's all on the surface: Chemical editing of the glycocalyx to influence cellular functions.
Kamil Godula, University of California, San Diego
Hosted by the Chemistry Graduate Students and the ADSE (Alliance for Diversity in Science and Engineering)

October 3, 2017 (Tuesday)

THE MERCK LECTURE
New Strategies for Hydrocarbon Functionalization
Erik Alexanian, University of North Carolina at Chapel Hill
Hosted by Tom Rovis

October 5, 2017

Applying the Tools of Materials Genomics to Design Polymers for Electrochemical Devices
Brett A. Helms, Berkeley Lab
Hosted by Luis Campos

October 12, 2017

Catalysts that Cleave C–H and N–H Bonds for Fine Chemical Synthesis and Energy Conversion
Mitch Smith, Michigan State University
Hosted by Jon Owen

October 19, 2017

Exploring the Interfaces Between Silicon and Soft Materials
Bozhi Tian, University of Chicago
Hosted by Wei Min & Louis Brus

October 26, 2017

THE NOVARTIS LECTURE
Hydrocarbon Autoxidation: Taking the Battle From Petroleum-Derived Products to Living Matter
Derek Pratt, University of Ottawa
Illuminating the darkness...PKC inhibitors for metastatic uveal melanoma
Michael Visser, Novartis
Hosted by Brent Stockwell

November 2, 2017

(Revised) *Guiding membrane proteins to the ER: chaperone cascades, ATPase tangos, and protean clamps*
Shu-ou Shan, California Institute of Technology
Hosted by Ruben Gonzalez

November 9, 2017

THE RAMABRAHMAN AND BALAMANI GUTHIKONDA LECTURE
How Inorganic Chemistry Enables Organic LEDs: From Displays to Light Bulbs.
Mark Thompson, University of Southern California
Hosted by Gerard Parkin

November 16, 2017

Frontiers in Solid-State NMR Spectroscopy and Applications to Neurodegeneration and Fungal Disease
Chad Rienstra, University of Illinois at Urbana Champaign
Hosted by Ann McDermott

November 30, 2017

THE SIGMA-ALDRICH LECTURE
New Polymers from Old Monomers: Advances Enabled through Catalyst Design and Discovery
Geoffrey Coates, Cornell University
Hosted by Colin Nuckolls

December 7, 2017

THE BRIAN BENT LECTURE
Lecture TBA
Moungi Bawendi, Massachusetts Institute of Technology
Hosted by Wei Min & Louis Brus

December 15, 2017 (Friday in room 309)

THE CHANDLER MEDAL AWARD LECTURE
Molecular Electronic for Sensors
Timothy Swager, Massachusetts Institute of Technology
Hosted by Colin Nuckolls

