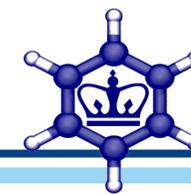




THE DEPARTMENT OF CHEMISTRY AT COLUMBIA UNIVERSITY
THE FALL 2021 COLLOQUIUM SEMINAR SERIES



Sep-09 *Probing the Vibrational and Electronic Properties of Atomically Precise Nanostructures: From Cadmium Selenide Quantum Dots to Graphene*

Andrew Crowther, Barnard College
Hosted by Xiaoyang Zhu

Sep-16 *Ultrasensitive fluorescence-free analysis of nano-matter: from single proteins and viruses to sub-cellular features*

Vahid Sandoghda, The Max Planck Institute
Hosted by Wei Min

Sep-23 *Living on Nitrogen*

Kyle Lancaster, Cornell University
Hosted by Gerard Parkin

Sep-30 **THE PADWA LECTURE**

Biocatalysis and complex molecule synthesis

Alison Narayan, University of Michigan
Hosted by Luis Campos

Oct-21 *Design and synthesis of organic electronic materials*

Malika Jeffries-El, Boston University
Hosted by Colin Nuckolls

Oct-28 *Spectroscopic probes of plasmon-driven chemical reactions*

Renee Frontiera, University of Minnesota
Hosted by Laura Kaufman

Nov-04 *Design Principles and Synthetic Methodologies for Intrinsically Circular Polymers and Biodegradable Plastics*

Eugene Chen, Colorado State University
Hosted by Jack Norton

Nov-18 *Can artificial intelligence help understand and predict chemical dynamics*

Pratyush Tiwary, University of Maryland
Hosted by Bruce Berne

Dec-02 *Multimetallic catalysis in biology and synthesis*

Neal Mankad, University of Illinois
Hosted by Jack Norton

Dec-09 **THE MERCK LECTURE**

Photoenzymatic Catalysis - Using Light to Reveal New Enzyme Functions

Todd Hyster, Cornell University
Hosted by Tom Rovis



COLUMBIA UNIVERSITY
DEPARTMENT OF CHEMISTRY

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Havemeyer Hall, 3000 Broadway, New York, NY 10027, USA 212-854-2202 <http://chem.columbia.edu/>

All lectures take place in the Brian Bent Lecture Hall, Room 209 Havemeyer, on Thursdays at 4:30pm (EST/EDT), unless otherwise indicated. Please check our [web calendar](#) for updates. If you would like to be added to our email list, please email your request to chemistry@columbia.edu.