

university of massachusetts amherst

# CHEMISTRY

## FALL 2015 Seminar Schedule

**September 3**

**Professor Cameron Mura**

Department of Chemistry  
University of Virginia

*"The Sm Superfamily, from Tiny RNAs to Huge Protein Cages"*

Host: Prof. Matthew Holden

**September 10**

**Professor Carlos Silva**

Department of Physics  
University of Montreal

*"Ultrafast Photocarrier Generation Dynamics in Polymer Solar Cells"*

Host: Prof. Michael Barnes

**September 17**

**Professor Paul Thompson**

Department of Biochemistry and  
Molecular Pharmacology, University of  
Massachusetts Medical School

*"Picking the PADlock: Chemical Probes to Decipher the Roles of Protein Citrullination"*

Host: Prof. Craig Martin

**September 24**

**Professor Theodore Betley**

Department of Chemistry and  
Chemical Biology, Harvard University

*"Radical Frontiers in Catalysis"*

Host: Prof. Michael Maroney

**October 1**

**Professor Aaron Esser-Kahn**

Department of Chemistry  
University of California Irvine

*"Chemical Biology Approaches to Innate Immune Signaling: Probing a Code Without a Key"*

Host: Prof. Vincent Rotello

**October 8**

**Professor Bing Xu**

Department of Chemistry  
Brandeis University

*"Nanoscale Molecular Assemblies in Cellular Environment: From Molecules to Processes"*

Host: Prof. S. Thai Thayumanavan

**October 15**

**Professor John McLean**

Department of Chemistry  
Vanderbilt University

*"Targeting the Untargeted: Structural Mass Spectrometry for the Analysis of Complex Samples in Systems, Synthetic, and Chemical Biology"*

Host: Prof. Igor Kaltashov

**October 22**

**STEIN-COVESTRO SEMINAR**

**Professor Mitch Winnik**

Department of Chemistry  
University of Toronto

*"Metal-Chelating Polymers and Lanthanide Nanoparticles for Immunoassays by Mass Cytometry"*

**October 29**

**Professor David Chenoweth**

Department of Chemistry  
University of Pennsylvania

*"Chemical Approaches for Probing, Manipulating, and Imaging Biological Systems"*

Host: Prof. Michelle Farkas

**November 5**

**Professor Jesse Rinehart**

Department of Cellular and Molecular  
Physiology

Yale University

*"Reengineering Protein Phosphorylation to Target Cancer"*

Host: Prof. Jeanne Hardy

**November 12**

**Professor Shana Kelley**

Department of Biochemistry  
University of Toronto

*"Nanomaterial-Enabled Strategies for Biomarker and Rare Cell Analysis"*

Host: Prof. Michelle Farkas

**November 19**

**WILLIAM E. MAHONEY ANNUAL LECTURE IN CHEMISTRY**

**Professor Prashant Kamat**

Department of Chemistry and  
Biochemistry Radiation Laboratory  
& Bimolecular Engineering  
Notre Dame

*"tba"*

**November 26**

Thanksgiving-No Seminar

**December 3**

**Professor Thomas O' Halloran**

Department of Chemistry and Department  
of Biochemistry, Molecular Biology and Cell  
Biology, Northwestern University

*"Inorganic Fluxes in Control of Cell Fate Decisions: The Chemistry of Transition Metal Receptors Proteins, Compartments and Sensors"*

Host: Prof. Jeanne Hardy

Seminars are on Thursday at 11:30 a.m.  
with refreshments at 11:00 a.m. in LGRT  
1634, unless otherwise noted (\*).