

# CHEMISTRY

## Spring 2014 Seminar Schedule

**January 23**

**Professor Geoffrey F. Strouse**  
Florida State University  
Department of Chemistry  
and Biochemistry  
“*Nanometals in Biophysics and  
Biomedical Science*”  
Host: Prof. Kevin Kittilstved

**January 30**

**Professor Steven L. Regen**  
Lehigh University  
Department of Chemistry  
“*A Push-Pull Mechanism for Lipid  
Raft Formation*”  
Host: Prof. Matt Holden

**February 6**

**Professor Mikhail Zamkov**  
Bowling Green State University  
Department of Physics and Astronomy  
“*Engineering of Semiconductor Nano-  
crystals and Nanocrystal Solids for  
Renewable Energy Applications*”  
Host: Prof. Kevin Kittilstved

**February 13**

**Professor Champak Chatterjee**  
University of Washington  
Department of Chemistry  
“*Chemical Approaches to Study  
Ubiquitin-like Proteins in Bacteria  
and Humans*”  
Host: Prof. James Chambers

**February 20**

**Professor Mark E. Tuckerman**  
New York University  
Department of Chemistry  
“*Protons, Bucket Brigades, and What  
They Have in Common: Insights from  
Computer Simulations*”  
Host: Prof. Scott Auerbach

**February 27**

**MARVIN RAUSCH LECTURESHIP IN  
ORGANOMETALLIC CHEMISTRY**  
**Professor Tobin J. Marks**  
Northwestern University  
Department of Chemistry  
“*Thermodynamic Strategies for De-  
signing New Catalytic Processes*”

**March 6**

**Professor Steven M. Cramer**  
Rensselaer Polytechnic Institute  
Department of Chemical & Biological  
Engineering  
“*Molecular Design of Multiple Weak  
interactions for Selective Multimodal  
Protein Separations*”  
Host: Prof. Paul Dubin

**March 27**

**Professor Bogdan Z. Olenyuk**  
University of Southern California  
Department of Pharmacology and Pharma-  
ceutical Sciences  
“*Overcoming in Vivo Barriers Limit-  
ing the Efficacy of Designed Inhibitors  
Targeting Oncogenic Signaling*”  
Hosts: Prof. Igor Kaltashov

**April 3**

**FIVE COLLEGE SEMINAR**  
**Professor Dennis A. Dougherty**  
California Institute of Technology  
Department of Chemistry and Chemical  
Engineering  
Host: Mount Holyoke College

**April 10**

**Professor Karen Fleming**  
Johns Hopkins University  
Department of Biophysics  
“*The Versatile  $\beta$ -Barrel Gives up a  
Novel Hydrophobicity Scale and Other  
Secrets of the Membrane*”  
Host: Prof. Min Chen

**April 17**

**Professor Ming An**  
SUNY  
Department of Chemistry  
“*Towards Drug Delivery via pHLIP  
insertion in the Plasmamembrane of  
Cancer Cells at Tumor pHe*”  
Host: Prof. James Chambers

**April 24**

**Professor Jonathan R. Lai**  
Albert Einstein College of Medicine  
Department of Biochemistry  
“*Filovirus Envelope Glycoproteins:  
Structure, Function, and Inhibition by  
Peptides and Antibodies*”  
Host: Prof. Nathan Schnarr

**May 8**

**JOINT CBI SEMINAR**  
**Professor Catherine L. Drennan**  
MIT  
Department of Chemistry  
“*Shake, Rattle, & Roll: Capturing Snap-  
shots of Metalloproteins in Action*”  
Host: Cornelius Taabazuing

Seminars are on Thursday at 11:15 a.m.  
with refreshments at 10:45 a.m. in LGRT  
1634, unless otherwise noted.