

## Seminar Titles 2012-2013

Sept. 10, 2012

“Extended Metallocene Systems: Synthesis, Characterization, and Applications”

Kyle Cluff

Sept. 17, 2012

“Bonding and Reactivity of Metal-Coordinated P,O-Type Phosphine Ligands”

Sugam Kharel

“The Role of Copper in Metallobiology and the Treatment of Alzheimer’s Disease”

Rachel B. Chupik

Sept. 24, 2012

“Uranium-Mediated Small Molecule Activation of N<sub>2</sub>, CO<sub>2</sub>, and CO

Rita Silbernagel

Oct. 1, 2012

“Exploring the Dynamics of Group 1 and 2 Metals in Helium Nanodroplets”

Jacob W. G. Bloom

“Alkene Copolymerization: New Catalysts for Polar monomer incorporation”

Chandra Mouli Palit

Oct. 8, 2012

“Photochemistry in Organic Asymmetric Synthesis: A New Promising Approach”

Khoi Van

Oct. 15, 2012

“Nuclear Power and Waste Management”

Andrew Zarrella

“Development of Substrates for Surface Enhanced Raman Spectroscopy (SERS)”

Aaron Clubb

Oct. 22, 2012

“UV Resonance Raman (UVR) Investigations of Proteins and Peptides Secondary Structures”

Yi-Ting Liao

Oct. 29, 2012

“Dynamic Covalent Polymers”

Young H. Lim

Nov. 5, 2012

“Ionic Liquids for Carbon Dioxide Separation”

Stephen Fordham

Nov. 12, 2012

“Polyphosphoesters: New Biocompatible, Biodegradable Polymers for Biomedical Applications”

Jeniree A. Flores

## Seminar Titles 2012-2013

Nov. 26, 2012

“Oxygen Sensing in Bacteria: An Essential Survival Strategy”

Shachin Patra

Feb. 4, 2013

“Femtosecond Laser Coherent Control and Application in Reaction Selectivity”

Wei Wei

“Quasicrystals: Aperiodic Atomic Location and Unique Electronic Properties of i-AlCuFe”

Jill Frank

Feb. 11, 2013

“Heterobimetallic Compounds: Synthesis, Characterization, and Applications”

Allen Lunsford

“Insights from single molecule studies to understand DNA replication”

Dhananjay Bhandari

Feb. 18, 2013

“C-H Activation by Biomimetic Models of Soluble Methane Monooxygenase” (sMMO)

Xuan Wang

“Selected Ras-associated Proteins for Cancer Chemotherapy”

Jaru Taechalertrpaisarn

Feb. 25, 2013

“Methodology and Mechanistic Studies of Radical Reductive Dehalogenation via the Electron Transfer Pathway”

Natchapon Pungcharoenpong

“Theoretical Description of Non-covalent Interactions”

Stella Kritikou

“Covalent Organic Frameworks (COFs) for Gas Storage Applications:

The newest member of the microporous family”

Jennifer Summerhill

Mar. 4, 2013

“Deubiquitinases (DUBs): Novel Drug Targets in Cancer Therapy”

Xiaoyan Wang

“Recent Advances in Silylene Chemistry”

Adriana Hampton

“Cope-Type Hydroaminations of Alkenes and Alkynes”

Yexenia E. Nieves-Quinones

## Seminar Titles 2012-2013

Mar. 18, 2014

“Cyclic Polymers: Synthetic strategies and novel properties”

Jingwei Fan

“Non-innocent ligands: Novel Tools to Direct Redox Activity of Base Metal complexes”

Haifeng Yang

Mar. 25, 2013

“Cyclodipeptide synthases - Biosynthesis of diketopiperazines and their modifications”

Prem Kr Chanani

April 1, 2013

“Histone Deacetylases in Drug Design”

Willie Hsu

“Nanotechnology in Drug Delivery: Big Things in a Small World

Guannan Zhang”

April 8, 2013

“Biosynthesis of Saframycin A”

Lina Xie

“Targeted Drug Delivery Using Ultrasound-Mediated Microbubbles”

Michelle Lebo

April 15, 2013

“Ion Mobility Spectrometry (IMS): Improvements in Selectivity for Environmental Analysis”

Brittany Turner

“Cross-coupling Reactions in Flow Condition”

Yannan Liang

“Hydrogels with Applications in Neural Engineering”

Samantha Kristufek

April 22, 2013

“Low Temperature Reactions: A Path to Interstellar Study”

Wade Eveland

“Mass Spectrometry: Recent Advances in Mass Analyzers”

Jeremiah Secrest