**FALL 2017 UCONN CHEMISTRY SEMINAR SERIES**

**STIMULI-RESPONSIVE MATERIALS FOR CHEMICAL SENSING AND MICROELECTRONICS**
Katherine Mirica, Dartmouth | Host: Rebecca Quardokus

**ENGINEERING REDOX CHEMISTRY: FROM NON-INNOCENT LIGANDS TO INTRACELLULAR METAL CHELATORS**
Elisa Tomat, University of Arizona | Host: Christian Brückner

**SEPTANOSE GLYOSIDES: NEW SYNTHETIC STRATEGIES AND INVESTIGATIONS ON THEIR PHYSICAL AND BIOCHEMICAL PROPERTIES**
Aditya Pote, Peczuh Group, UConn

**METASTABLE METAL COMPLEXES SUPPORTED BY GUANIDINATE LIGANDS**
Skye Fortier, UTEP | Host: Gael Ung

**AN INHERENT DRIVING FORCE FOR CHARGE SEPARATION IN ORGANIC PHOTOVOLTAICS**
Qin Wu, Brookhaven National Lab | Host: Tomo Mani

**TAILORING MESOPOROUS CARBONS AND RELATED MATERIALS FOR ENERGY APPLICATIONS**
Sheng Dai, Oak Ridge National Lab | Host: Jie He

**EPITOPE RESOLVED DETECTION OF PEANUT SPECIFIC IGE ANTIBODIES BY SPR IMAGING**
Min Shen, Rusling Group, UConn

**STEREOELECTRONIC INTERACTIONS AS A PROBE FOR THE EXISTENCE OF ANOMERIC AND RELATED PHENOMENA**
Eusebio Juaristi, National Polytechnic Institute, Mexico City | Host: Bill Bailey

**ENZYME BIOHYDROGEL FOR IMPROVED BIOELECTROCATALYSIS**
Ananta Ghimire, Kumar/Kasi Group, UConn

**INTRICACIES OF LEAD HALIDE PEROVSKITES**
Prashant Kamat, University of Notre Dame | Host: Challa V. Kumar

**HOW TO MAKE YOUR NEXT PAPER SCIENTIFICALLY EFFECTIVE?**
Prashant Kamat, University of Notre Dame | Host: Challa V. Kumar

**A TALE OF TWO PROJECTS: FROM ANTIMICROBIAL PEPTIDES TO CO₂ REDUCTION**
Alfredo Angeles-Boza | Host: Jie He

**SYNTHESIS AND OPTIMIZATION OF DOPED TITANIA AEROGELS FOR PHOTOCATALYTIC DYE DEGRADATION**
Steven Murphy, Suib Group, UConn
Nov 1 4:30PM

**PHOTOACTIVE RHENIUM CARBONYL COMPLEXES AS SENSORS FOR PROTEIN AGGREGATION AND PHOTOCHEMICAL FOOTPRINTING**

Angel Martí, Rice University | Host: Challa V. Kumar/Alfredo Angeles-Boza

Nov 2 4:45PM

**UNDERSTANDING THE NUCLEATION INDUCED COOPERATIVE BEHAVIOR IN COMPLEX MACROMOLECULE SYSTEM**

Hailin Fu, Lin Group

Nov 8 4:30PM

TBA

Daniel García Rivera, Universidad de la Habana | Host: Jose Gascon

Nov 9 4:45PM

**DEVELOPMENT OF INHIBITORS FOR E. COLI ENOLASE, SYNTHESIS AND MOLECULAR DOCKING/SYNTHESIS OF INHIBITORS WITH B-LACTONE MOTIF FOR RAS-TARGETING HUMAN ACYL PROTEIN THIOESTERASES 1 (APT1)**

Akram Hazeen, Wright/Howell Group, UConn

Nov 15 4:30PM

**DESIGN AND SYNTHESIS OF ORGANIC SEMICONDUCTORS FOR ADVANCED APPLICATIONS**

Malika Jeffries-EL, Boston University | Host: Amy Howell

Nov 16 4:45PM

**AN ALLYLIC SUBSTITUTE MODULATES MACROCYCLIC CONFORMATIONS IN [13]-MACRODILACTONES: DIHEDRAL FLUTTER**

Kelli Rutledge, Peczuh Group, UConn

Nov 29 4:30PM

**PSEUDOMONAS AERUGINOSA**

Keith Poole, Queen’s University (Canada) | Host: Alfredo Angeles-Boza

Nov 30 4:45PM

**A MATERIAL GENOME INITIATIVE TO THE EXPANSION OF CHEMICAL SPACE OF DIELECTRICS WITH METAL-ORGANIC FRAMEWORK SYSTEMS**

Shamima Nasreen, Sotzing Group, UConn

Dec 6 4:30PM

**BIOMOLECULES FOR NON-BIOLICAL THINGS: CONTRCUTION OF MATERIALS WITH PEPTIDE DESIGN AND SOLUTION ASSEMBLY**

Darrin J. Pochan, University of Delaware | Host: Jie He