

**JAN 18**  
4:30PM

**THE INTERSECTION OF COMPUTATION AND EXPERIMENT: WHAT CAN COMPUTATIONAL CHEMISTRY DO FOR YOU?**

ANGELO R. ROSSI, UCONN CHEMISTRY | HOST: CHRISTIAN BRÜCKNER

**JAN 19**  
4:45PM

**ASSESSING L-SELECTIN AS POTENTIAL BIOMARKER FOR METASTASIS IN BLADDER CANCER PATIENTS USING A MICROFLUIDIC MODIFIED ELISA ASSAY**

GAYATRI PHADKE, RUSLING GROUP, UCONN

**JAN 25**  
4:30PM

**ELASTICITY FROM A MOLECULAR PERSPECTIVE**

JEREMIAH A. JOHNSON, MIT | HOST: JIE HE

**JAN 26**  
4:45PM

**MESOPOROUS SULFATED ZIRCONI (UCT - 47): AN EFFICIENT CATALYST FOR BIODIESEL PRODUCTION**

SAIFUL SERAJI, SUIB GROUP, UCONN

**FEB 1**  
4:30PM

**COLLOIDAL SEMICONDUCTOR NANOCRYSTAL PHOTOCATALYSTS**

TODD KRAUSS, UNIVERSITY OF ROCHESTER | HOST: JING ZHAO

**FEB 2**  
4:45PM

**ANTIBODY-LIKE BIORECOGNITION SITES FOR PROTEINS FROM SURFACE IMPRINTING ON NANOPARTICLES**

SNEHASIS BHAKTA, RUSLING GROUP, UCONN

**FEB 8**  
4:30PM

**THERMODYNAMICS OF ELECTRON TRANSFER BY METALLOPROTEINS FROM CALORIMETRIC MEASUREMENTS OF METAL BINDING**

DEAN WILCOX, DARTMOUTH COLLEGE | HOST: ALFREDO ANGELES

**FEB 15**  
4:30PM

**TEACHING OLIGONUCLEOTIDES NEW TRICKS – A MACROMOLECULAR APPROACH**

KE ZHANG, NORTHEASTERN UNIVERSITY | HOST: YAO LIN

**FEB 16**  
4:45PM

**DERIVATIZATION WITH COST-EFFECTIVE FMOC-AMINO ACID-OSU REAGENTS FOR PEPTIDE FRAGMENTATION MECHANISM STUDY**

YUANYUAN SHEN, YAO GROUP, UCONN

**ELECTROCHEMILUMINESCENT ARRAY TO DETECT OXIDATIVE DAMAGE IN DS-DNA USING [Os(BPY)<sub>2</sub>(PHEN-BENZ-COOH)]<sup>2+</sup>/NAFION/GRAPHENE FILMS**

ITTI BIST, RUSLING GROUP, UCONN

**FEB 22**  
4:30PM

**RELIABLE AND REVERSIBLE MOLECULAR LINKAGES FOR CHEMICAL BIOLOGY**

M.G. FINN, GEORGIA INSTITUTE OF TECHNOLOGY | HOST: YAO LIN

**FEB 23**  
4:45PM

**FULLERENE-ASSISTED PHOTOINDUCED CHARGE TRANSFER OF SINGLE-WALLED CARBON NANOTUBES THROUGH A FLAVIN-HELIX**

ERANDIKA KARUNARATNE, PAPADIM. GROUP, UCONN

**MAR 1**  
4:30PM

**PROTEIN GLYCOSYLATION PATHWAYS AND PROCESSES**

BARBARA IMPERIALI, MIT | HOST: PLU

**MAR 2**  
4:45PM

**SYNTHESIS OF SULFATIDES AND EXAMINATION OF THEIR ROLE IN IMMUNOMODULATION AND SYNTHESIS OF PALMOSTATIN M DERIVATIVES**

KEVIN LUVAGA, HOWELL GROUP, UCONN

**MAR 8**  
4:30PM

**TBD**

WILLIAM DOLBIER, UNIVERSITY OF FLORIDA | HOST: ALEXANDRU ASANDEI

**MAR 9**  
4:45PM

**SYNTHESIS OF NOVEL HYDROBENZAZAPHOSPHOLES AND ITS APPLICATIONS**

KENDRICKS LAO, HOWELL GROUP, UCONN

**MAR 22**  
4:30PM

**ULTRASENSITIVE BIOSENSING TECHNIQUES WITH SURFACE PLASMON RESONANCE IMAGING**

ROBERT CORN, UNIVERSITY OF CALIFORNIA, IRVINE | HOST: JING ZHAO

**MAR 23**  
4:45PM

**TRANSITION METAL (TM) DOPED ZNO AND ITS ELECTROCATALYTIC ACTIVITIES**

MD SHAKIL, SUIB GROUP, UCONN

**KINETIC STUDY ON DEPOLYMERIZATION OF MODEL CELLULOSE BY FUNGAL CELLULASES**

MURALI ANUGANTI, LIN GROUP, UCONN

**MAR 29**  
4:30PM

**METALLORADICAL CATALYSIS: DEVELOPMENT OF STEREOSELECTIVE RADICAL REACTIONS**

PETER ZHANG, BOSTON UNIVERSITY | HOST: CHRISTIAN BRÜCKNER

**MAR 30**  
4:45PM

**A POLYMER HYDROGEL MODIFIED LATERAL FLOW SENSING PLATFORM**

JULIE JENKINS, ZHAO GROUP, UCONN

**APR 5**  
4:30PM

**THE ADVANCED ELECTROCHEMISTRY AT THE INDIVIDUAL METAL CLUSTERS**

JIYEON KIM, UNIVERSITY OF RHODE ISLAND | HOST: JAMES RUSLING/JIE HE

**APR 6**  
4:45PM

**MECHANISM OF PHOTOCATALYTIC REDUCTION OF CO<sub>2</sub> BY RE(BPY)(CO)<sub>3</sub>CL FROM DIFFERENCES IN CARBON ISOTOPE DISCRIMINATION**

TAYLOR SCHNEIDER, ANGELES GROUP, UCONN

**APR 12**  
4:30PM

**DEVELOPMENT AND APPLICATIONS OF A BIOCONJUGATION TOOL KIT**

CRAIG OGLE, UNIVERSITY OF NORTH CAROLINA, CHARLOTTE | HOST: WILLIAM BAILEY

**APR 13**  
4:45PM

**HOT CARRIER GENERATION IN QUANTUM-SIZED METAL NANOCRYSTALS**

YUGANG SUN, TEMPLE UNIVERSITY | HOST: JIE HE

**APR 18**  
4:45PM

**DIVERSITY AND DESIGN: NEW CHEMICAL PROBES FOR BIOLOGY AND MEDICINE**

DEREK TAN, SLOAN KETTERING CANCER CENTER | HOST: MARK PECZUH

**APR 20**  
4:45PM

**REDUCED GRAPHENE OXIDE SUPPORTED NICKEL–MANGANESE–COBALT SPINEL TERNARY OXIDE NANOCOMPOSITES AND THEIR CHEMICALLY CONVERTED SULFIDE NANOCOMPOSITES AS EFFICIENT ELECTROCATALYSTS FOR ALKALINE WATER SPLITTING**

RAN MIAO, SUIB GROUP, UCONN

**APR 26**  
4:30PM

**TBD**

PRASHANT KAMAT, UNIVERSITY OF NOTRE DAME | HOST: CHALLA V. KUMAR

**APR 27**  
4:45PM

**MESOPOROUS MANGANESE OXIDES FOR NO<sub>2</sub> ASSISTED CATALYTIC SOOT OXIDATION**

NILUKA WASALATHANTHRI, SUIB GROUP, UCONN