

# FALL 2018 UConn CHEMISTRY SEMINAR SERIES

CHEMISTRY COLLOQUIUM

GRADUATE STUDENT SEMINAR

ALL SEMINARS TAKE PLACE IN CHEMISTRY BUILDING A-203  
SEMINARS ARE FREE & OPEN TO THE PUBLIC  
[CHEMISTRY.UCONN.EDU/ABOUT/EVENTS/COLLOQUIA](http://CHEMISTRY.UCONN.EDU/ABOUT/EVENTS/COLLOQUIA)

- W SEPT 5**  
2:30PM  
**QUANTUM COHERENCE IN LIGHT HARVESTING PROTEINS AND NANOPARTICLES**  
WARREN BECK, MICHIGAN STATE | HOST: JOSÉ GASCÓN
- W SEPT 12**  
2:30PM  
**THEORETICAL INSIGHTS INTO THE DEVELOPMENT OF CATALYSTS, DRUGS, AND BIOMATERIALS**  
RAJEEV PRABHAKAR, UNIVERSITY OF MIAMI | HOST: ALFREDO ANGELES
- W SEPT 19**  
2:30PM  
**HOW TO BEND CARBON-CARBON BONDS**  
KENNETH WIBERG, YALE UNIVERSITY | HOST: BILL BAILEY
- W SEPT 26**  
2:30PM  
**EXPLOITING LIGHT TO PUSH THE LIMITS OF CONTROLLED RADICAL POLYMERIZATION AND MACROMOLECULAR METAMORPHOSIS**  
BRENT SUMERLIN, UNIVERSITY OF FLORIDA | HOST: JIE HE
- W OCT 3**  
2:30PM  
**GREENER STRATEGIES FOR CATALYSIS USING HYDROCARBON OLIGOMERS**  
DAVE BERGBREITER, TEXAS A&M | HOST: JIE HE
- W OCT 10**  
2:30PM  
**EDITORIAL INSIGHTS ON PUBLISHING IN CHEM FROM *CELL PRESS***  
ILARIA CIANCHETTA, CHEM EDITOR | HOST: JING ZHAO
- TH OCT 11**  
2:30PM  
IMS 20  
CO-HOSTED BY:  
UCONN  
POLYMER  
PROGRAM  
**POLYMER PARTICLES WITH TUNABLE SHAPE AND INTERNAL STRUCTURES**  
JINTAO ZHU, HUAZHONG UNIVERSITY OF SCIENCE & TECHNOLOGY | HOST: JIE HE  
**MOLECULAR ENGINEERED DOPANT-FREE HOLE TRANSPORTING MATERIALS FOR EFFICIENT PEROVSKITE SOLAR CELLS**  
ZHONGAN LI, HUAZHONG UNIVERSITY OF SCIENCE & TECHNOLOGY | HOST: JIE HE  
**GRAPHENE AS A 2D SURFACTANT FOR CONDUCTIVE POLYMER COMPOSITES**  
DOUGLAS ADAMSON, UNIVERSITY OF CONNECTICUT | HOST: JIE HE  
**MULTIFUNCTIONAL BIOMIMETIC NANOCOATINGS: FROM AN INTACT THIN FILM TO MICROCRACKS TO WRINKLES AND THE CORRESPONDING PROPERTY TUNING**  
LUYI SUN, UNIVERSITY OF CONNECTICUT | HOST: JIE HE
- W OCT 17**  
2:30PM  
**FROM MOLECULE TO MAMMAL: INVENTING LUMINESCENT NANOPARTICLES FOR BIOLOGY**  
HAN GANG, UMASS MEDICAL SCHOOL | HOST: YAO LIN
- TH OCT 25**  
3:30PM  
**TERAHERTZ SPECTROSCOPY OF SEMICONDUCTORS AND SEMICONDUCTOR NANOSTRUCTURES**  
CHARLIE SCHMUTTENMAER, YALE UNIVERSITY | HOST: TOMOYASU MANI
- W OCT 31**  
2:30PM  
**BLOCK COPOLYMER-BASED POROUS CARBON FIBERS AND PLASMONIC NANOPARTICLES**  
GUOLIANG LIU, VIRGINIA TECH | HOST: JIE HE
- W NOV 7**  
2:30PM  
**FUNCTIONAL BIOMATERIALS FOR REGENERATIVE MEDICINE APPLICATIONS**  
JIE SONG, UMASS MEDICAL SCHOOL | HOST: CHALLA V. KUMAR
- W NOV 14**  
2:30PM  
**QUANTUM CHEMISTRY WITH NOISY SUPERCONDUCTING QUBITS**  
ABHINAV KANDALA, IBM T.J. WATSON RESEARCH CENTER | HOST: CHALLA V. KUMAR
- W NOV 28**  
2:30PM  
**DYNAMIC RECOGNITION IN PROTEIN-DNA COMPLEXES EXPLORED THROUGH MD SIMULATIONS AND EXPERIMENTS**  
CARLOS SIMMERLING, STONY BROOK UNIVERSITY | HOST: JOSÉ GASCÓN
- TH NOV 29**  
3:30PM  
**THE THEORY OF NONADIABATIC DYNAMICS: UNDERSTANDING A DIFFERENT MODEL FOR ELECTRON AND ENERGY TRANSFER PROCESSES**  
JOSEPH SUBOTNIK, UNIVERSITY OF PENNSYLVANIA | HOST: TOMOYASU MANI
- W DEC 5**  
2:30PM  
**RADICAL-INDUCED TOPOGRAPHY AND PHYSICAL PROPERTY MODIFICATIONS ON MATERIALS SURFACES**  
DAVID Y. LEE, WASHINGTON STATE UNIVERSITY | HOST: BECKY QUARDOKUS
- W DEC 12**  
2:30PM  
**FROM CHIRALITY-ASSISTED SYNTHESIS TO REPLICATION AND TRANSLATION OF PRECISION POLYMERS WITH INCREASING COMPLEXITY**  
SEVERIN SCHNEEBELI, UNIVERSITY OF VERMONT | HOST: JING ZHAO