Campus-wide Seminar Listings

**Monday, April 16**

Crop Sciences

Sita Thapa, Ph.D. Student

University of Illinois

**How do you build the Soybean Cyst Nematode?**

12:00 PM, 1092 Lincoln Hall

Chemical Biology, Final Defense

Mr. Puzhou Wang

University of Illinois

**DNA Enzymes for Tyrosine Pegylation and Azido-Adenylylation in Peptide and Protein Substrates**

1:00 PM, 171 RAL

Entomology Colloquium

William Wetzel

Michigan State University

**Plant variability and the ecology of plant-insect interactions**

4:00 PM, B102 CLSL

Materials Science and Engineering Colloquium

Carol Hall

Chemical and Biomolecular Engineering, North Carolina State University

**Spontaneous Formation of Oligomers and Fibrils in Large Scale Molecular Dynamics Simulations of the Alzheimer’s Peptides**

4:00 PM, 100 MSEB

Chemical and Biomolecular Engineering

Professor Carol Hall

North Carolina State University

**Computational Investigation of Multipolar Colloidal Particles**

4:00 PM, 100 MSEB

3M and Organic Chemistry

Dr. David Hays

3M Representative

**Synthesis and Applications of Novel Silicone Materials: A 3M Innovation Story**

4:00 PM, 116 RAL

3M and Organic Chemistry

Professor Bert Meijer

Eindhoven University of Technology

**Mastering Complexity: Non-Covalent Synthesis of Functional Supramolecular Systems and Materials**

5:00 PM, 116 RAL

**Tuesday, April 17**

Carl R. Woese Institute for Genomic Biology

Erich D. Jarvis, PhD

The Rockefeller University, Molecular Neurobiology & Animal Behavior

**Using Whole Genomes to Resolve the Avian Tree of Life, Complex Behavioral Traits, and Genome Evolution**

12:00 PM, 612 IGB Conference Center

Chemical Biology

Professor James Tam

Nanyang Technological University, School of Biological Sciences

**Butelase and Linkage-Specific ligases: Superglue for Proteins**

2:00 PM, B102 CLSL

Neuroscience Program

Myoung-Goo Kang, PHD

University of Texas Medical Branch at Galveston

**Functional proteomics of AMPA-type glutamate receptor complex**

4:00 PM, 5602 Beckman Institute

Materials Science and Engineering Soft Materials

Aniruddh Shrivastava – University of Illinois

**Nickel hexacyanoferrate electrodes for electrochemical water desalination**

Hao Yu – University of Illinois

**Synthetic strategies for a ribosomal approach to sequence-defined polymers**

Chen Wang – University of Illinois

**3D Printing of hydrogel scaffold for programmed control of cell growth**

4:00 PM, 119 MSEB

Organic Chemistry, Literature

Mr. David Dennis

University of Illinois

**Isodesmic Functional Group Transfers of Olefins**

4:00 PM, 116 RAL

**Wednesday, April 18**

College of Veterinary Medicine, Pensinger Lecture in Comparative Medicine

Dr. Elizabeth Berry-Kravis, MD, PHD

Professor of Pediatrics, Neurological Sciences, and Biochemistry, Rush University Medical Center

**Targeted Treatments for Fragile X Syndrome: Modifying the Translational Pathway**

9:00 AM, 100 Large Animal Clinic (1008 W Hazelwood Drive)

Carl R. Woese Institute for Genomic Biology, Lunch with the Core

Judith Rowen  
Associate Dean for Academic Affairs, University of Illinois

**College & Curriculum Update: Carle Illinois College of Medicine**

12:00 PM, 612 IGB Conference Center

Cell and Developmental Biology

Dr. Linda Kenney

Department of Microbiology & Immunology, University of Illinois, Chicago

Mechanobiology Institute, National University of Singapore

**Super-resolution imaging of Salmonella pathogenesis**

12:00 PM, B102 CLSL

PMPB CPSC 598/IB 513

Dr. Robert Last

Michigan State University, Department of Biochemistry and Molecular Biology

**Evolution and the single cell: Solanaceae trichome specialized metabolism**

12:00 PM, 149 NSRC

Physical Chemistry

Professor Chris Jaroniec

Ohio State University

**Molecular Mechanisms of Prion and Amyloid Propagation Explored by Solid-State NMR Spectroscopy**

2:00 PM, B102 CLSL

PEEC

Dr. Karen Carleton

University of Maryland

**TBA**

4:00 PM, B102 CLSL

Biochemistry Department Graduate Seminar

Josephine Watson

University of Illinois

**Role of CYP450-derived ω-3 Endocannabinoid Regioisomers in Inflammation**

Sushant Bangru

University of Illinois

**Alternative splicing of core Hippo signaling components supports hepatocyte proliferation during liver regeneration**

4:00 PM, 116 RAL

**Thursday, April 19**

Molecular and Integrative Physiology

Grace Guo, MBBS, PH.D.

Rutgers University

**Intestine and Liver Crosstalk by RXR-FGF15 Pathway**

11:00 AM, B102 CLSL

Carl R. Woese Institute for Genomic Biology

A. Scott Muerhoff, PhD

Director of Biologics and Senior Research Fellow, Abbott Diagnostics

**Antibodies, Antigens and Enzymes: Creating the Building Blocks of In Vitro Diagnostic Assays**

12:00 PM, 612 IGB Conference Center

Crop Sciences

Federico Casale, M.S. Student

University of Illinois

**One in a Million? Empirical Determination of Mutation Frequency for Herbicide Resistance**

12:00 PM, 1092 Lincoln Hall

Microbiology

Dr. Michele Swanson

University of Michigan Medical School

**Legionnaires’ disease outbreaks during the Flint Water Crisis: a multi-disciplinary investigation**

4:00 PM, B102 CLSL

Materials Science and Engineering Hard Materials

Amlan Das

University of Illinois

**Acoustic emission in metallic glasses**

**Zhejun Zhang**

University of Illinois

**Area selective chemical vapor deposition by carbonyl precursors**

4:00 PM, 119 MSEB

Chemical Biology/Inorganic Chemistry

Professor Amit Reddi

Georgia Institute of Technology

**Metals in Cells: The Inorganic Foundations of Life**

4:00 PM, 116 RAL

**Friday, April 20**

Physics of Living Cells

Elijah Roberts

John Hopkins

**Understanding the Complex Networks Driving Cellular Decisions**

2:00 PM, 144 Loomis Lab

Analytical Chemistry

Professor Richard M. Crooks

The University of Texas at Austin

**Development of Electrocatalytic Models for Testing Theory**

4:00 PM, 116 RAL

Natural Resources and Environmental Sciences

Dr. James Jones

Director, Florida Climate Institute, University of Florida

**Innovations at the Nexus of Food, Energy, and Water Systems (INFEWS) - and Beyond**

4:00 PM, 149 NSRC