Campus-Wide Seminar Listings

**Monday, February 20**

Biological Physics, Special Seminar

Jintao Liu

Division of Biological Physics, University of California, San Diego

**Emergent dynamics in bacterial communities**

11:00 AM, 276 Loomis Lab

Entomology Colloquium

Joshua Benoit

University of Cincinnati

**Dehydration, mosquitoes, and blood feeding: how water availability may alter disease transmission**

4:00 PM, Charles G. Miller Auditorium, B102 CLSL

Cell & Developmental Biology, Student & Postdoc

Qinyu Hao

University of Illinois

**Characterization of a nucleolus-associated RNA**

12:00 PM, B102 CLSL

Materials Science and Engineering Colloquium

Paul Voyles

Materials Science and Engineering, University of Wisconsin-Madison

**Solving Structurally Complex Materials**

4:00 PM, 100 MSEB

Chemical Biology

Prof. Albert Bowers

University of North Carolina at Chapel Hill

**Chemoenzymatic Platforms for the Discovery of New Peptide Therapeutics**

4:00 PM, 116 RAL

**Tuesday, February 21**

Neuroscience Program

Peter Penzes

Northwestern University

**Synaptic dysfunction in mental disorders**

4:00 PM, 1005 Beckman Institute

Materials Sciences and Engineering, Soft Materials

Lihong Zhao – University of Illinois - **Self-reporting of Mn2+ and self-stabilization of electrified interfaces**

Leon Dean – University of Illinois - **Material regeneration by means of multiphase microvascular flow**

Subing Qu – University of Illinois - **Reversible metal-insulator transition via thermally responsive colloid-fiber composite system**

4:00 PM, 119 MSEB

Organic Chemistry

Mr. Jiabao Zhang

University of Illinois

**Recent Advancement in Silver Mediated C–F Bond Formation**

4:00 PM, 116 RAL

Physical Chemistry

Professor Hannah Shafaat

Ohio State

**Teaching old proteins new tricks: Engineering metalloenzymes for energy conversion reactions**

4:00 PM, 1024 CA

**Wednesday, February 22**

Materials Science and Engineering Special Seminar

Anton Souslov, Postdoctoral Research Associate, Leiden University

**Chiral active metamaterials**

9:00 AM, 280 MRL

Physical Chemistry

Professor Jahan Dawlaty

University of Southern California

**Light, Electrons, Protons: Lessons from Model Systems and Potentials for Photocatalysis**

2:00 PM, B102 CLSL

PEEC

Dr. Peter Goffman

University of Georgia

**Terrestrial denitrification: A tale of misery, woe and the frontiers of Environmental Science**

4:00 PM, Charles G. Miller Auditorium, B102 CLSL

Biochemistry Graduate Seminar

Logan Hurst – University of Illinois – **VLCFS’s are necessary for proper cell division in Saccharomyces cerevisiae**

Hu Yuanyuan – University of Illinois - **A New Pathway for Synthesis of the Biotin Pimeloyl Moiety in Bacteria**

4:00 PM, 116 RAL

Microbiology Student Seminar

Lauren Gates – University of Illinois - **Cellular FLICE inhibitory protein inhibits the TLR-induced IRF7 pathway independent of its IRF3 inhibitory function**

Kyle Grim – University of Illinois - **Investigations into the broad-spectrum metallophore, staphylopine**.

4:00 PM Charles G. Miller Auditorium, B102 CLSL

Thursday, February 23

Molecular & Integrative Physiology

Dr. Morag Park

McGill University, Montreal, Quebec

**Heterogeneity in the Triple Negative Breast Tumor Microenvironment**

11:00 AM, Charles G. Miller Auditorium, B102 CLSL

Crop Sciences

Adriano Terras Mastrodomenico

PhD Student, Crop Sciences, University of Illinois

**Agronomic and Marker-Assisted Breeding Strategies for Improving Nitrogen Use**

**Efficiency in Maize**

12:00 PM< W-109 Turner Hall

Materials Chemistry, Final Defense

Mr. Nitin Neelakantan

University of Illinois

**Functionalized Silicone Composites: Omniphobic Coatings, Microspheres and Plastic Explosives**

12:30 PM, 171 RAL

Microbiology

Dr. Lora Hooper

University of Texas Southwestern

**Bacteria as master regulators of metabolism**

4:00 PM, Charles G. Miller Auditorium, B102 CLSL

Materials Science and Engineering Hard Materials

Nicole Johnson – University of Illinois -

**Engineering education research in Materials Science: Students’ conception and application of mechanical equilibrium through their sketches**

Julia Kohanek – University of Illinois - **Template directed directionally solidified metal eutectics for optical applications**

4:00 PM, 119 MSEB

Organic Chemistry

Mr. Ephraim Morado

University of Illinois

**Autonomous Movement of Spherical Micro- and Nanomotors**

4:00 PM, 116 RAL

**Friday, February 24**

Food Sciences and Human Nutrition

Kenneth S. Suslick, Marvin T. Schmidt Research Professor of Chemistry

University of Illinois

**The optoelectronic nose: an adventure in molecular recognition**

11:00 AM, 166 Bevier Hall

Biochemistry

Dr. Chad Rienstra

University of Illinois

**A New NMR Toolkit for High-Resolution Structure & Dynamics of Functional Lipids**

12:00 PM, Charles G. Miller Auditorium, B102 CLSL

Biological Physics

Dr. Roy Dar

University of Illinois

**Genetic coupling of viral-host gene expression presents migratory challenges in HIV therapies**

2:00 PM, 144 Loomis Lab

Natural Resources and Environmental Sciences

Dr. Christopher Golden,

Harvard University

**Planetary health in the context of global wildlife population declines**

3:00 PM, W-109 Turner Hall

Analytical Chemistry

Professor Susan Richardson

University of South Carolina

**What's in my drinking water? New impacts and Issues**

4:00 PM, 116 RAL