Campus-Wide Seminar Listings

Monday, January 21, MLK Jr. Holiday

**Tuesday, January 22**

Materials Science and Engineering Special Seminar

Ting Ge

Department of Mechanical Engineering and Materials Science, Duke University

**Rheology and nanorheology of entangled melts of non-concatenated ring polymers**

9:00 AM, 280 MRL

Chemical Biology, Special Interest Faculty Candidate

Dr. Angad Mehta

The Scripps Research Institute

**Exploring Evolution through Synthetic Approaches**

11:00 AM, B102 CLSL

Carl R. Woese Institute for Genomic Biology

Shannon Sirk, PhD (MME)

University of Illinois, Department of Bioengineering; IGB Affiliate, Microbiome Metabolic Engineering theme

**Exploring and Expanding the Benefit of Beneficial Microbes**

12:00 PM, 612 IGB Conference Center

Chemical and Biomolecular Engineering and International Paper Co.

Professor Glenn Fredrickson

University of California, Santa Barbara

**Field-Theoretic Simulations: An Emerging Tool for Soft Material Design**

2:00 PM, 116 RAL

Inorganic Chemistry

Dr. James Birrell

Max Planck Institute for Chemical Energy Conversion

**[FEFE] Hydrogenases: Getting on the NRVS**

Dr. Patricia Rodriguez

Max Planck Institute for Chemical Energy Conversion

**His-Ligation to the [4FE-4S] Sub-Cluster Tunes His Catalytic Bias of [FEFE] Hydrogenase**

3:30 PM, 1024 Chem Annex

Neuroscience Program

Alexa H. Veenema, PhD, Associate Professor

Department of Psychology & Neuroscience, Michigan State University

**Function of sex differences in the brain for social behavior: Insights from vasopressin and oxytocin**

4:00 PM, 1005 Beckman Institute

**Wednesday, January 23**

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

Associate Professor of Virology and Biophysics, Department of Pathobiology, Division of Microbiology and Immunology

**Biophysics of Herpesvirus Infectivity**

12:00 PM, 612 IGB Conference Center

Physiological & Molecular Plant Biology

Dr. Kate McCulloh

Department of Botany, University of Wisconsin-Madison

**The plant danger zone: Assessing different strategies to deal with abiotic factors**

12:00 PM, W-109 Turner Hall

Physical Chemistry, Special Interest Candidate

Dr. Rafael Bernardi

University of Illinois

**Molecular Mechanisms of Protein Mechanostability Revealed by Molecular Dynamics Simulations**

12:00 PM, 1000 Lincoln Hall

Biochemistry Graduate Seminar

Jeremiah Heredia

University of Illinois

**Conformational engineering of HIV-1 Env based on mutational tolerance in the CD4 and PG16 bound states**.

4:00 PM, 16 RAL

PEEC

Tekita Bankhead

University of Illinois. Counseling Center

**Re-Writing the Story: Understanding Implicit Bias**

4:00 PM, B102 CLSL

Biochemistry Graduate Seminar

Surbhi Jain

University of Illinois

**Single-molecule investigation of Cas9 and TALE target search optimization problem**

4:00 PM, 116 RAL

**Thursday, January 24**

Molecular & Integrative Physiology Seminar

Kevin Park, Ph.D.

University of Central Michigan

**Wanted: A Mouse Model for Sporadic Alzheimer's Disease**

11:00 AM, B102 CLSL

Crop Sciences

Dr. Jennie Atkins

Water and Atmospheric Resources Monitoring (WARM) Program, Illinois State Water Survey

Prairie Research Institute

**Illinois State Water Survey – Our Work and Resources**

12:00 PM, W-109 Turner Hall

Cancer Center at Illinois, Spring 2019 Faculty Seminar Series

Emad Tajkhorshid

University Scholar, J.W. Hastings Endowed Chair, Interim Head of Biochemistry

**Dissecting Molecular Pathways Involved in Cancer at a Microscopic Level with Advanced Computational Techniques**

Paul Selvin

Profess, Physics, University of Illinois

**Can We Detect Neurological and Cancerous Diseases with Superresolution Fluorescence**

3:00 PM 4269 Beckman Institute \*\*\* Limited Seating, registration appreciated: go.illiois.edu/CCILseminars \*\*

Materials Chemistry

Professor Nicholas Fitzkee

Mississippi State University

**Understanding Protein Structure and Function on Nanoparticle Surfaces**

3:30 PM, 1024 Chem Annex

Microbiology

Dr. Tamara O’ Connor

Johns Hopkins School of Medicine

**Combinatorial selection drives the evolution of a human pathogen**

4:00 PM, B102 CLSL

**Friday, January 25**

Materials Chemistry, Special Interest Faculty Candidate

Dr. Laure Kayser

University of California San Diego

**Multicomponent and Controlled Polymerization Strategies for Conjugated Polymers**

2:00 PM, B102 CLSL

Biological Physics

Andy Belmont

University of Illinois

**Combining Cytology, Live-Cell Imaging, and Genomics to Study Nuclear and Chromosome Organization**

2:00 PM, 144 Loomis