Chemical Biology Seminars
Week of Sept. 22, 2019

This seminar list is also posted at http://www.chembio.umn.edu.

Sponsored by: Department of Medicinal Chemistry

Upcoming Events

- **September 23, 2019**, “2019 IEM Annual Conference”, 9:00am-3:00pm, McNamara Alumni Center, Minneapolis, Minnesota. http://iemacr.umn.edu/index.html
- **September 27, 2019**, “Big Ten Academic Alliance Lipids Symposium”, 8:00am-3:30pm, McNamara Alumni Center, Minneapolis, Minnesota. Register at z.umn.edu/lipids19
- **October 7, 2019**, “28th Annual Developmental Biology Symposium”, 8:00am-5:10pm, Coffman Memorial Union and Theater and President’s Room, Minneapolis, Minnesota. Register at www.dbc.umn.edu.

**Monday, September 23**

**Noah Gettle**, Graduate Student (Travisano Lab)
Dept. of Ecology, Evolution, and Behavior, University of Minnesota  
TBA  
9am, 10 McNeal Hall (EEB Thesis Defense)

**Amit Sharma**, Assistant Professor
Dept. of Veterinary Biosciences, Ohio State University  
Viral and Host Determinants of SHIV Replication in Macaque Lymphocytes  
12pm, 1-125 CCRB (MICaB Seminar)

**David Owen**, Graduate Student (Advisor: Michael Farrar)  
Dept. of Genetics, Cell Biology, and Development, University of Minnesota  
Development of Functionally Distinct Regulatory T Cell Subsets in the Thymus  
12:15pm, 2-137 Jackson Hall (GCD Student Seminar)

**Joseph Heili**, Graduate Student (Engelhart Lab)  
Dept. of Genetics, Cell Biology, and Development, University of Minnesota  
Activation of Caged Functional RNAs by Oxidative Desulfurization of 2-thiouridine  
12:15pm, 105 717 Delaware (Chemical Biology Colloquium)

**Nathaniel Gaut**, Graduate Student (Engelhart Lab)  
Dept. of Genetics, Cell Biology, and Development, University of Minnesota  
Expanding the Boundaries of Ribozymes-Regulation via Proteins and Activity in Perchlorate  
12:15pm, 105 717 Delaware (Chemical Biology Colloquium)

**Elly Nedivi**, Professor  
Dept. of Biology, Massachusetts Institute of Technology  
Visualizing Remodeling of Excitatory and Inhibitory Circuits in Vivo  
11:30am, Location TBA (CMRR Seminar)

**Dan Tawfik**, Professor  
Dept. of Biomolecular Science, Weizmann Institute of Sciences  
How Do Enzymes Evolve?  
4pm, 2-137 Jackson Hall (Special BMBB Seminar)

**Tuesday, September 24**

**Ingunn Strommes**, Assistant Professor  
Dept. of Microbiology and Immunology, University of Minnesota  
Overcoming Immunotherapy Resistance in Pancreatic Cancer  
9am, 1-125 CCRB/ Simulcast in 450 MCRB, 155 Hormel Institute, Duluth: 112 SMed (Masonic Cancer Center Seminar)
Chemical Biology Seminars - Week of September 22, 2019

Craig Hawker, Professor
Dept. of Chemistry & Biochemistry, University of California
*Synthesis and Application of Multi-Functional Polymeric Materials*
9:45am, 331 Smith Hall (Chemistry Seminar)

Jonas Alvarez, Graduate Student
Dept. of Biochemistry, Molecular Biology, and Biophysics, University of Minnesota
*TBA*
12:20pm, 2-137 Jackson Hall (BMBB Student Seminar)

Yijia Li, Graduate Student (Advisor: Edgar Arriaga)
Dept. of Biochemistry, Molecular Biology, and Biophysics, University of Minnesota
*TBA*
12:20pm, 2-137 Jackson Hall (BMBB Student Seminar)

Vivian Ferry, Assistant Professor
Dept. of Chemical Engineering and Materials Science, University of Minnesota
*Tunable Chiral Optical Properties in Semiconductor Nanocrystals and Metamaterials*
1:25pm, B-75 Amundson Hall (CEMS Seminar)

Yaniv Brandvain, Assistant Professor
Dept. of Ecology, Evolution, and Behavior, University of Minnesota
*Who Plants Mate with, How They Do It, and Why It Matters*
3pm, 105 Cargill (PMB Seminar)

Shubhmita Bhatnagar, Post-Doctoral Associate (Panyam Lab)
Dept. of Pharmaceutics, University of Minnesota
*Polymer Microneedles for Drug Delivery Across the Skin*
3pm, 5-125 Moos Tower/ Duluth: 163 Life Sciences (Pharmaceutics Seminar)

Steven Staben, Associate Director, Senior Scientist
Discovery Chemistry, Genetech, Inc
*Co-Opting Post-Translational Enzymes with New Modalities*
3:30pm, 1-451 Moos Tower (Medicinal Chemistry Seminar)

**Wednesday, September 25**

Amy Nipper, Graduate Student (Advisor: Eric Newman)
Dept. of Neuroscience, University of Minnesota
*Alterations in Neurovascular Coupling in the Awake Mouse*
12pm, 2-101 NHH (GPN Colloquium Seminar)

Michael Thomas, Assistant Professor
Dept. of Biology, Howard University
*Adenovirus Early Genes Restrict HIV-Specific Immune Responses in Mice and Nonhuman Primates*
12pm, Location TBA (Molecular Virology Seminar)

Gaurav Choudhary, Associate Professor of Medicine
Alpert Medical School of Brown University
*Right Ventricle Fibrosis in Pulmonary Hypertension*
12pm, 1-125 CCRB (LHI Lecture Series)

Joshua Mentzer, Graduate Student (Huang Lab)
Dept. of Experimental and Clinical Pharmacology, University of Minnesota
*Using Genomic Expression to Impute Drug Sensitivities in Clinical Data*

Dave Remucal, Adjunct Professor
Dept. of Horticultural Science, University of Minnesota
*Plant Conservation Programs at the Minnesota Landscape Arboretum*
3:30pm, 310 Alderman Hall (UMN Horticulture Science Seminar)

Suzanne McGaugh, Assistant Professor
Dept. of Ecology, Evolution, and Behavior, University of Minnesota
*TBA*
3:30pm, 335 Borlaug (EEB Seminar)

Hongjun Wang, Professor
Dept. of Biomedical Engineering, Stevens Institute of Technology
*TBA*
3:30pm, Location TBA (BME Seminar)
Emma Benn, Director of Academic Programs for the Center of Bioethics
Dept. of Population of Health Science and Policy, Icahn School of Medicine at Mount Sinai

Diversity in Statistics: Building and Sustaining Effective Pipelines for Recruiting and Training the Next Generation of Innovators
3:30pm, 2-520 Moos Tower (Division of Biostatistics Seminar)

Mikael Elias, Assistant Professor
Dept. of Biochemistry, Molecular Biology, and Biophysics, University of Minnesota
TBA
4pm, 2-137 Jackson Hall (BMBB Seminar)

Mei Bigliardi-Qi, PhD, Director, Neuro-Epithelial Lab
Dept. of Dermatology, University of Minnesota

Stem Cell-Derived Human Epithelial Modeling Studying Aging and Regeneration
4pm, 1-110 MTRF (Stem Cell Institute Seminar)

Thursday, September 26

Andrew McNally, Professor
Dept. of Chemistry, Colorado State University

Selective Functionalization of Pyridines, Diazines and Pharmaceuticals Using Phosphorus Ligand-Coupling Reactions
9:45am, 331 Smith (Chemistry Seminar)

Abhi Sathe, Research Assistant
Dept. of Experimental and Clinical Pharmacology, University of Minnesota

Comparison of the Pharmacokinetics of CYP Probe Substrates Between Healthy Subjects and Psoriasis Patients Using Population PK Approach
11:15am, 4-204 MTRF (CODR Seminar)

Robin Lee, Graduate Student (Advisor: Mike Farrar)
Dept. of Microbiology, Immunology, and Cancer Biology, University of Minnesota

Nuclear Corepressors NCOR1 and NCOR2 Dynamically Regulate Proliferation and Differentiation of Developing and Leukemic B Cells
12pm, 1-110 LRB/ MTRF (MICaB Student Seminar Series)

Steve King, Professor
Dept. of Molecular Biology and Biophysics, University of Connecticut
TBA
12:15pm, 2-101 NHH (GCD Seminar)

Amy J. Karlsson, Assistant Professor
Dept. of Chemical and Biomolecular Engineering, University of Maryland

Engineering Peptides to Target Fungal Pathogens
1:25pm, B-75 Amundson Hall (CEMS Seminar)

Tim Dodge, Senior Research Scientist
DuPont Industrial Biosciences

Industrial Enzymes: From Protein Engineering to Large-Scale Production
3:30pm, 239 Gortner (BTI Seminar)

Friday, September 27

Daheia Barr Anderson, Associate Professor
School of Kinesiology, University of Minnesota

The Potential of Yoga to Impact the Health of African-American Women
10am, 364 WBOB (EpiCH Seminar)

Brigid Gregg, Assistant Professor of Pediatrics
Center for Human Growth & Development, University of Michigan

The Lasting Metabolic Impacts of Neonatal Dietary Exposure
11am, 1-101 MRF (IBP Seminar)

Steve Jacobsen, Professor
Dept. of Biological Chemistry, University of California – Los Angeles

Epigenetic Gene Regulation on Arabidopsis
11am, Location TBA (PMB Seminar)

Mary Kay Lobo, Associate Professor
Dept. of Anatomy and Neurobiology, University of Maryland School of Medicine

Molecular and Circuit Mechanisms of Dysregulated Motivation
12pm, 2-101 NHH (NSCI Seminar)