Chemical Biology Seminars
Week of Nov. 15, 2020

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

Sponsored by: Department of Medicinal Chemistry

Upcoming Events
• January 13, 2021, “11th Annual College of Pharmacy Duluth Talent Show”, 6pm via zoom, link TBA

Monday, November 16

Lauren M. Aufdembrink, Junior Scientist (Advisor: Aaron Engelhart)
Dept. Integrative Biology and Physiology, University of Minnesota
TBA
12pm, Zoom Webcast (MCDB&G Student Seminar)
https://umn-private.zoom.us/j/99422018663?pwd=MVkwM2ZTSUQrNXFOK0lhM1JZQ1gwdz09

Brian Evavold, Professor
Dept. Pathology, University of Utah
Triggering T cells: Catch Antigen if You Can
12:15pm, Zoom Webcast (MICaB Seminar)
https://umn-private.zoom.us/j/95881136465?pwd=R3FJYStHV3F0NWVuWIFESVVFsiZBQT09

Sarah Kostick, PhD Candidate
College of Food, Agricultural and Natural Resource Sciences, University of Minnesota
TBA
3pm, Zoom Webcast (PhD Defense Seminar)
https://wsu.zoom.us/j/92062900792?pwd=ZFBtWGVPK0NlOHZWVEFJOUNrS2ExQT09

Dorothy Kirsch, Graduate Student (Advisor: C. Hirsch)
Dept. Agronomy and Plant Genetics, University of Minnesota
Use of High throughput Phenotypic Tools for Evaluating the Interaction between Plants and their Environment
3:30pm, Zoom Webcast (APS Seminar)
https://umn.zoom.us/j/91958863640?pwd=eXMyaWJ3N2hLT2o3a2JMUVR1dHAZz09
Passcode: SZ022=

Tuesday, November 17

Julie Ha Thi Dang, Executive Director of Community Engagement and Outreach
UC Davis Comprehensive Cancer Center, University of California Davis
Understanding and Addressing Liver Cancer Disparities in Asian American Communities: A Community-Based Research Approach
9am, Zoom Webcast (Masonic Cancer Center Seminar)
https://umn-private.zoom.us/j/98692713230

Christopher L. Warkentin, Graduate Student (Advisor: Renee R. Frontiera)
Dept. Chemistry, University of Minnesota
Surface-Enhanced Raman Spectroscopy for Characterization of Plasmon-Mediated Reactions
9:30am, Zoom Webcast (Chemistry Seminar)
https://umn.zoom.us/j/99597043402

Brianna A. Collins, Graduate Student (Advisor: Jason Goodpaster)
Dept. Chemistry, University of Minnesota
Organometallic Reactivity of Nickel Complexes Bearing PAIP Pincer-Type Ligands
10am, Zoom Webcast (Chemistry Seminar)
https://umn.zoom.us/j/99597043402

Sirluk Kanchanakungwankul, Graduate Student (Advisor: Donald Truhlar)
Dept. Chemistry, University of Minnesota
Reduction of Cu(II) to Cu(0) Supported on Metal-Organic Framework NU-1000
10:30am, Zoom Webcast (Chemistry Seminar)
https://umn.zoom.us/j/99597043402
Yanjun Chen, Graduate Student
Dept. Pharmacology, University of Minnesota
**Regulation of APOBEC-Catalyzed DNA Mutagenesis**
12:15pm, Zoom Webcast (Pharmacology Seminar)
https://umn-private.zoom.us/j/93049871464?pwd=ZUNHfZC1L0JJQWsvZzRtRznJ6cEo4QT09
Passcode: Zh@1m&

Haichang (Shirley) Luo, Graduate Student
Dept. Pharmacology, University of Minnesota
**Role of Inhibitory G Protein Signaling in Alzheimer’s Disease**
12:15pm, Zoom Webcast (Pharmacology Seminar)
https://umn-private.zoom.us/j/93049871464?pwd=ZUNHfZC1L0JJQWsvZzRtRznJ6cEo4QT09
Passcode: Zh@1m&

Jonas Alvarez, Graduate Student
Dept. Biochemistry, Molecular Biology and Biophysics, University of Minnesota
**TBA**
12:20pm, Zoom Webcast (BMBB Student Seminar)
https://umn.zoom.us/j/99939480808?pwd=T0dWTFFKWiDRVrSEZISGlId3gxZz09

Carston R. Wagner, Professor and Endowed Chair
Dept. Medicinal Chemistry, University of Minnesota
**Tuning Cell-Cell Interactions with Chemically Self-Assembled Nanorings for Cancer Immunotherapy**
3pm, Zoom Webcast (Pharmaceutics Seminar)
Email kmjames@umn.edu to request a Zoom join link

Jill Mikucki, Associate Professor
Dept. Microbiology, University of Tennessee
**TBA**
3pm, Zoom Webcast (PBS Seminar)
z.umn.edu/pmb-2020-fall-seminars

Kayla Vinh, Graduate Student (Advisor: Will Pomerantz)
Dept. Medicinal Chemistry, University of Minnesota
**Targeting the CGRP Receptor for the Acute Treatment of Migraines: A Structure-based Drug Discovery Approach**
3:30pm, Zoom Webcast (Medicinal Chemistry Seminar)
https://umn-private.zoom.us/j/91560938295
Passcode: MedChem-1

**Wednesday, November 18**

Roman Tyshynsky, Graduate Student (Advisors: Lucy Vulchanova and John Osborn, Jr.)
Dept. Neuroscience, University of Minnesota
**Periglomerular Afferent Fibers in the Renal Cortex**
12pm, Zoom Webcast (GPN Seminar)
Email umn.gpn@gmail.com

Laura Stone, Professor
Dept. Anesthesiology, University of Minnesota
**Low Back Pain and Epigenetics: From the Periphery to the CNS**
12pm, Zoom Webcast (GPN Seminar)
Email umn.gpn@gmail.com

Emma Mohr, Assistant Professor
Dept. Pediatrics, University of Wisconsin - Madison
**Improving Outcomes in Congenital Zika Virus Infections**
12pm, Zoom Webcast (Jamie McNew Endowed Memorial Lecture in CMV Research & Education)
https://umn-private.zoom.us/j/95114846934?pwd=Q2MrNTQvQ01TT1pbzDh1VjI1U1FvZz09

Alessandro Magli, Assistant Professor
Dept. Medicine, University of Minnesota
**Delineating the Blueprint for Trunk Skeletal Myogenesis**
12pm, Zoom Webcast (LHI Seminar)
z.umn.edu/lhi-webcast

Yingbo Huang, Graduate Student (Advisor: S. Huang)
Dept. Experimental and Clinical Pharmacology, University of Minnesota
**Sex Differences in the Human Liver Transcriptome**
12:20pm, Zoom Webcast (ECP Seminar)
https://umn-private.zoom.us/j/93402234795?pwd=L2x0dkpYfNsQ1NnQzckZRUnJkeGRPdz09
Jayshree Seth, Corporate Scientist at 3M, and Robert Livingston, Social Psychologist
TBA
2pm, Zoom Webcast (Sieur du Lhut Creativity Conference)
z.umn.edu/SDL2020

Catherine Early, Barbara Brown Chair of Ornithology
Science Museum of Minnesota
TBA
3:30pm, Zoom Webcast (EEB Seminar)
https://z.umn.edu/EEB-2020-FALL-SEMINARS

Joseph Bauer, Assistant Professor
College of Agricultural Sciences and Natural Resources, University of Nebraska-Lincoln
Exploration of Cognitive and Neural Processes Used by Undergraduate Biology Students during Modeling Tasks
3:30pm, Zoom Webcast (BTL Seminar)
https://umn.zoom.us/j/92501807536?pwd=NG1kQy9XSWRHTXE4YWgwS0pGYk5HUT09

Satoshi Morita, Professor
Dept. Biomedical Statistics and Bioinformatics, Kyoto University Graduate School of Medicine; Institute for Advancement of Clinical and Translational Science, Kyoto University Hospital
Bayesian Population Finding in a Randomized Clinical Trial
3:30pm, Zoom Webcast (Division of Biostatistics Seminar)
Register at https://umn.zoom.us/meeting/register/tJAlcOyuqz0sHdwJSjmfFk7OswIFyuBkCN1K

Andrew Grande, Associate Professor and Co-director
Dept. Neurosurgery, University of Minnesota
TBA
3:30pm, Zoom Webcast (BME Seminar)
https://umn-private.zoom.us/j/91725294309

David Odde, Professor
Dept. Biomedical Engineering, University of Minnesota
Cell Traction and Migration in Response to Environmental Mechanical Stiffness
4pm, Zoom Webcast (Stem Cell Institute Seminar)
https://umn-private.zoom.us/j/93977796730

Thursday, November 19

Bach T. Nguyen, Graduate Student (Advisor: Jiali Gao)
Dept. Chemistry, University of Minnesota
In Silico Investigation of Solution Phase Decarboxylation Mechanism for 5-Carboxyluracil
9:30am, Zoom Webcast (Chemistry Seminar)
https://umn.zoom.us/j/99597043402

Yangzesheng Sun, Graduate Student (Advisor: J. Ilja Siepmann)
Dept. Chemistry, University of Minnesota
Machine Learning and Neural Networks for Modeling the Adsorption Equilibria in Nanoporous Materials
10am, Zoom Webcast (Chemistry Seminar)
https://umn.zoom.us/j/99597043402

ACS Virtual Postdoc Symposium
10am, Zoom Webcast (ACS Symposium)
Register at www.acs.org/postdocsymposium

Li-Chun Tu, Assistant Professor
Wexner Medical Center, The Ohio State University
Real-time Dynamics of Human Chromatin during the Cell Cycle
11:15am, Zoom Webcast (Biophysics Seminar)
https://umn.zoom.us/j/98919336829?pwd=MxkJL3U2U3gxdU82c3l0ZXBMemFCQT09

Breanne Byiers, Research Assistant Professor
College of Education and Human Development, University of Minnesota
Development of Outcome Measures for Neurodevelopmental Genetic Syndromes
12pm, Zoom Webcast (CODR Seminar)
https://umn-private.zoom.us/j/96629216638?pwd=bWZSV042bk1xenZINGU1N3hxcGdHQT09

Noah Gavil, Graduate Student (Advisor: Dave Masopust)
Microbiology Immunology, and Cancer Biology Program, University of Minnesota
TBA
12pm, Zoom Webcast (MiCaB Seminar)
https://umn-private.zoom.us/j/99881533315?pwd=VzhUYJPTVY2R0JDVk9ISDJYMBJQT09
Noah Weisleder, Professor
Dept. Physiology and Cell Biology, The Ohio State University
TBA
12pm, Zoom Webcast (IBP Seminar)
https://z.umn.edu/IBPSeminarSeries

Anne C. Ferguson-Smith, Department Head and Arthur Balfour Professor
Dept. Genetics, University of Cambridge, United Kingdom
TBA
12pm, Zoom Webcast (GCD Seminar)
https://umn.zoom.us/j/91586978322?pwd=cVAxUD13cW0xdsxVFp4aThaRjF5UT09

Ivan Alekseichuk, Research Scientist
Dept. Biomedical Engineering, University of Minnesota
TBA
1pm, Zoom Webcast (CNE Seminar)
https://umn.zoom.us/j/92243700017

Sadat Navabi Ghamsari, Graduate Student
Dept. Biomedical Engineering, University of Minnesota
Non-invasive Neuromodulation using Enhanced Upconversion Nanoparticles
1pm, Zoom Webcast (CNE Seminar)
https://umn.zoom.us/j/92243700017

Jeffrey Bishop, Associate Professor
Dept. Experimental and Clinical Pharmacology, University of Minnesota
Epigenetics of PTSD Treatment Response
3pm, Zoom Webcast (Epigenetics Consortium Seminar)
https://umn-private.zoom.us/j/93933709061?pwd=QTF5OThDWURXamRnenI3Y2tiUWd3UT09

Shanteri Singh, Assistant Professor
Dept. Chemistry and Biochemistry, The University of Oklahoma
Utilizing aromatic prenyltransferases for the late-stage modification of natural products
3:30pm, Zoom Webcast (BTI Seminar)
https://z.umn.edu/BTI_seminar

Hai Dang Nguyen, Assistant Professor
Dept. Pharmacology, University of Minnesota
Uncovering the Impact of RNA Splicing Factor Mutations in Cancers
5pm, Zoom Webcast (Bioinformatics and Computational Biology Colloquium)
https://umn-private.zoom.us/meeting/register/tJUqc-ivpzglGNGO6eXkGvWnAz-nR7ZKWK-O

Friday, November 20

Wendy Gordon, Associate Professor
Dept. Biochemistry, Molecular Biology, and Biophysics, University of Minnesota
How Cells Communicate with the Microenvironment via Proteolysis and Mechanical Forces
10am, Zoom Webcast (Pharmacology Seminar)
https://umn-private.zoom.us/j/98905621800?pwd=enZPYUF5rzgvVmU3ekdDMzZTzd244dz09
Passcode: &HC1P1

Sefani Thomas, Assistant Professor
Dept. Laboratory Medicine and Pathology, University of Minnesota
Mass Spectrometry-based Assays for Cancer Biomarker Discovery and Treatment
10:30am, Zoom Webcast (Pharmacology Seminar)
https://umn-private.zoom.us/j/98905621800?pwd=enZPYUF5rzgvVmU3ekdDMzZTzd244dz09
Passcode: &HC1P1

Chris Frenier, HSRP&A Doctoral Candidate
Div. Health Policy & Management, University of Minnesota
The Effect of Plan Switching on Access and Quality of Care in Medicaid
11:30am, Zoom Webcast (HPM Seminar)
Register at https://docs.google.com/forms/d/e/1FAIpQLSdyDL0Fy73eivxp6cFl7HGr6hcHxUHpDnGgpQ7Fg3chWSWW/view-form

David Hildebrand, Postdoctoral Associate
Laboratory of Neural Systems, The Rockefeller University
Developing Calcium Imaging Approaches for the Characterization of Marmoset Face Patches
2pm, Zoom Webcast (MDT on Optical Imaging and Brain Science Webinar)
https://umn-private.zoom.us/j/99287016940?pwd=bmV4UWp1MVFRlGRLMGJxaThEWkxJUT09
Marcus Flowers, PhD Candidate (Ogle Lab)
Dept. Biomedical Engineering, University of Minnesota
TBA
2pm, Zoom Webcast (SCI Journal Club Seminar)
https://umn-private.zoom.us/j/97854403511