



Please send submissions to Jeff Mason, masonje6@msu.edu

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Seminar Calendar

Monday, February 21

[Microbiology & Molecular Genetics Work in Progress Seminars](#)

Marco Mehan Llontop (Shade lab) “The microbiome of sorghum phyllosphere mucilage and wax: A role for host resilience?”

Alex Wessel (Waters lab) “Identifying the post-transcriptional regulatory mechanism by which cyclic di-GMP negatively regulates cell curvature in *Vibrio cholerae*”

Noon

[Zoom link](#). Email Rob (abramov5@msu.edu) for the password

[Molecular Plant Science Seminars](#)

Anne Osbourn, John Innes Centre

“Finding drugs in the garden: Harnessing plant metabolic diversity”

4:00 PM [Zoom link](#) (Passcode: 862930)

Tuesday, February 22

The Exchange – (Science discussion for BMB graduate students)

“Staying Mentally Well in Academia is a Balancing Act”

8:00 AM Email David (arnosti@msu.edu) for the Zoom link and password

[PRL Tuesday Noon Seminars](#)

Roberto Espinoza Corral, Liwei Hui, Matthew Dwyer, Abira Sahu, MSU

“PRL Postdoc Introductions”

Noon [Zoom link](#) (passcode prl2021)

Thursday, February 24

[BMB Seminar Series](#)

Heather Bean, Arizona State University

“Developing a breath test for Valley fever using GCxGC untargeted metabolomics”

11:00 AM [Zoom link](#) (Passcode: 698925)

[EEB Seminar Series](#)

James Clark, Duke University

“Continent-wide forest regeneration: Dynamic communities to biogeographic change”

3:30 PM Email Barbara (eeb@msu.edu) for the Zoom link

Announcements

Noteworthy News



Join me in congratulating Christoph Benning who was elected a Senior Member of the National Academy of Inventors (NAI).

Benning is among 83 academic inventors to be elected to the group in 2022.

Read more [here](#).

SPARTANS WILL.

Reminder - BMB is accepting applications for five faculty-nominated graduate level awards, two staff and two postdoctoral awards. Applications are due Friday, February 25th at 5:00. Email Kristin (kparent@msu.edu) for more details and read more [here](#).

“*Virtual Lunch and Learn – Assessment 101: Aligning Learning Outcomes with Assessments and Learning Activities*” Wednesday, February 23 from 12 to 1 pm. This is the first part of a two assessment session in which attendees will review how to write effective Learning Outcomes (LOs) based on Bloom’s Taxonomy. Attendees will discuss the importance of LOs when creating assessments and learning activities. [Learn more and register here](#).

The Grad School is accepting nominations for Outstanding Mentoring Awards, which recognize graduate programs, faculty, and doctoral students who exemplify mentoring best practices. These awards highlight both the importance of exceptional mentoring to the quality of graduate education at MSU and the commitment of individuals and graduate programs to graduate student success. For a description of the awards and the application process, visit [here](#).

Yiliang Wei, a previous BMB grad student, who now works at Syros, is hiring a research investigator or Scientist I. View the job [here](#).

The Great Lakes Science Center in Traverse City is hiring a summer wetland field botanist to assist the State of Michigan with implementation of the statewide wetland monitoring program. The posting is [here](#).

The Department of Horticulture and Crop Sciences at Ohio State has opened a faculty search in the area of Plant Bioengineering and Synthetic Biology. More information can be found [here](#).

The HHMI lab of Dr. Tzumin Lee at the Life Science Institute of the University of Michigan (Ann Arbor) is recruiting postdoctoral research fellows, to reverse-engineer the brain in diverse model organisms. The Lee lab is keen to reprogram *Drosophila* neuronal lineages to create fly brains with novel functions and reverse-engineer vertebrate brains in zebrafish and mouse. Questions can be sent to (lect@janelia.hhmi.org).

The Department of Biochemistry at Memorial University is hiring a tenure-track position at the level of Assistant Professor in Teaching and Learning in the Life Sciences. The successful candidate will be expected to develop an independent research program in science education, and will be expected to contribute to both undergraduate and graduate teaching in the core curriculum of the Department (i.e., biochemistry, nutrition), as well as supervision of research students. Applicants should have a graduate degree in life sciences or related field, and a PhD in either life sciences or post-secondary education. Questions can be submitted to (biochem@mun.ca).

Recent Publications

Lin YT, Takeuchi T, Youk B, Umen J, Sears BB, Benning C. “Chlamydomonas CHT7 Is Involved in Repressing DNA Replication and Mitotic Genes During Synchronous Growth.” *G3 Genes | Genomes | Genetics*. February 2022.

Sosnick TR, Gaffney KA, Guo R, Bridges MD, Chen D, MuhammedNazaar FS, Kim M, Yang Z, Schillmiller AL, Faruk NF, Peng X, Jones AD, Sun L, Hubbell WL, Hong H. “Conformational diversity and

contraction of the denatured state ensemble of a helical membrane protein.” *Biophysical Journal*. February 2022.

Aljazi MB, Gao Y, Wu Y, He J. “SMYD5 is a histone H3-specific methyltransferase mediating mono-methylation of histone H3 lysine 36 and 37.” *Biochemical and Biophysical Research Communications*. April 2022.

Lundquist PK. “Tracking subplastidic localization of carotenoid metabolic enzymes with proteomics.” *Methods in Enzymology*. February 2022.

Gu W, Li F, Liu T, Gong S, Gao Q, Li J, Fang Z. “Recyclable, Self-Healing Solid Polymer Electrolytes by Soy Protein-Based Dynamic Network.” *Advanced Science*. February 2022.

Noyes K, Carlson C, de Lima J, Long TM, Schwarz CV, Stoltzfus JR, Cooper MM. “A Deep Look into Designing a Task and Coding Scheme through the Lens of Causal Mechanistic Reasoning.” *Journal of Chemical Education*. February 2022.