



Seminar Calendar

Monday, January 10

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

Justin Lee (Hardy lab) “Effects of Placental Listeriosis on Fetal Neurodevelopment and Consequences on the Behavior of Offspring”

Rajab Curtis (Hammer lab) “Exploring exogenous fatty acid inhibition of metabolically restricted *Staphylococcus aureus*”

Noon

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

Tuesday, January 11

The Exchange – (Science discussion for BMB graduate students)

“RCR: Scientific Virtues”

7:30 AM (* Please note the earlier start time)

Email David (arnosti@msu.edu) for the Zoom link and password

Thursday, January 13

[BMB Seminar Series](#)

Sophie Walters and Morteza Mahmoudi, Michigan State University

“DEI - Academic bullying: how to prevent it, and what to do if it happens”

11:00 AM

Email Jessica (jesslaw@msu.edu) for the Zoom link

Announcements

Join me in welcoming Aaron Wallin to the building. Aaron will be our new maintenance mechanic. Aaron will be training with Ron Norris over the next few months until Ron retires. Aaron previously worked at Fresenius Kidney Care of Southeast and Central Michigan as a Biomedical Technician II.

Plant Research Lab Faculty Candidate Daniela Strenkert will present “A day in the life of a green algae: a multi-omics approach to the *Chlamydomonas* cell cycle” on Monday, January 10 at 10:00 am, in person (PLB 247) and via Zoom. Email Keri (morrisk@msu.edu) for the Zoom link.

The U.S. Department of Energy (DOE) announced a plan to provide up to \$110 million for basic research and technology development to design and engineer plants and microbes for the production of advanced [biofuels](#), bioproducts, and biomaterials. The research will elucidate fundamental biological processes to enable genome-scale redesign and editing to develop more productive and resilient crops and novel microbial

Noteworthy News



It is with deep sadness that we announce the passing of Danny Schnell. Danny died December 15, 2021 after a valiant fight with cancer.

Danny was a friend and colleague to many of us and will be deeply missed.

Click [here](#) to read more about his remarkable life and career.

strains that can efficiently produce valuable chemicals and materials that will advance a sustainable and secure bioeconomy. Read more [here](#).

MSU HR has received questions on appropriate procedures for COVID-19 quarantine and isolation for MSU employees in light of new federal, state and local guidance. Guidance for what to do in a variety of circumstances is available online. Read more [here](#).

Native Plant Trust is offering three paid summer undergraduate internships called the Plant Conservation Volunteer program which engages volunteers in monitoring native plants throughout New England. Email Micah Jasny (mjasny@nativeplanttrust.org) for details.

The Dagdas Group at the Gregor Mendel Institute of Molecular Plant Biology (GMI), Vienna BioCenter is hiring a postdoc to work on eukaryotic cellular quality control pathways, primarily using plants as organisms of study, but also in human cells. They focus on discovering and characterizing new selective autophagy mechanisms. Please see the lab website [here](#) or email Yasin (yasin.dagdas@gmi.oeaw.ac.at) for details.

Recent Publications

Gaffney KA, Guo R, Bridges MD, Muhammednazaar S, Chen D, Kim M, Yang Z, Schillmiller AL, Faruk NF, Peng X, Jones AD, Kim KH, Sun L, Hubbell WL, Sosnick TR, Hong H. “Lipid bilayer induces contraction of the denatured state ensemble of a helical-bundle membrane protein.” *Proc Natl Acad Sci U S A*. January 2022.

Neofotis P, Temple J, Tessmer OL, Bibik J, Norris N, Pollner E, Lucker B, Weraduwege SM, Withrow A, Sears B, Mogos G, Frame M, Hall D, Weissman J, Kramer DM. “The induction of pyrenoid synthesis by hyperoxia and its implications for the natural diversity of photosynthetic responses in *Chlamydomonas*.” *Elife*. December 2021.

So M, Stiban J, Ciesielski GL, Hovde SL, Kaguni LS. “Implications of Membrane Binding by the Fe-S Cluster-Containing N-Terminal Domain in the *Drosophila* Mitochondrial Replicative DNA Helicase.” *Front Genet*. December 2021.

Kanazawa A, Chattopadhyay A, Kuhlert S, Tuitupou H, Maiti T, Kramer DM. “Light potentials of photosynthetic energy storage in the field: what limits the ability to use or dissipate rapidly increased light energy?” *R Soc Open Sci*. December 2021.

Wurster JI, Peterson RL, Brown CE, Penumutchu S, Guzior DV, Neugebauer K, Sano WH, Sebastian MM, Quinn RA, Belenky P. “Streptozotocin-induced hyperglycemia alters the cecal metabolome and exacerbates antibiotic-induced dysbiosis.” *Cell Rep*. December 2021.

Cameron CE, Arnold JJ, Kaguni LS. “Preface, Viral replication enzymes and their inhibitors, Part B.” *Enzymes*. December 2021.