



Seminar Calendar

Monday, March 21

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

Kathryne Ford (TerAvest lab) “Engineering Carbon Fixation in *Shewanella oneidensis*”

Laurisa Ankley (Olive lab) “The impact of GSK3 β on the metabolism of IFN γ activated macrophages”

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

[Molecular Plant Science Seminars](#)

Susanne von Caemmerer, Australian National University

“Importance of CO₂ diffusion and C₄ photosynthesis”

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

Tuesday, March 22

The Exchange – (Science discussion for BMB graduate students)

“Journal Club: Ann Miller, University of Michigan - cell polarity”

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

[PRL Tuesday Noon Seminars](#)

This seminar has been cancelled this week.

[Microbiology & Molecular Genetics Seminars](#)

Ralph Isberg, Tufts University

“Brubaker Lecture: The Vacuole Guard Hypothesis and Evolutionarily-Conserved Restriction of Pathogen”

3:10 PM [Zoom link](#) Email MMG.Seminars@campusad.msu.edu for the password

Thursday, March 24

[BMB Seminar Series](#)

Ann Miller, University of Michigan

“Maintenance and remodeling of epithelial cell-cell junctions during cell shape changes”

11:00 AM Both in person (BCH101) and Zoom [Zoom link](#) (Passcode: 698925)

[EEB Seminar Series](#)

Aimee Classen, University of Michigan

“From micro to macro, using observations, experiments and models to explore how ecosystems will respond to global change”

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

Announcements

PRL Special Seminar -Thursday, March 24 at 1:45 pm in PLB 168 ([Zoom link](#)). Dr. Bowen Li, Research Associate, Newcastle University - School of Computing. “NUFEB - a massively parallel simulator for individual-based modelling of microbial systems.”

Current postdocs and senior graduate students may want to check out the webinar "Planning and executing an effective postdoc" on March 30 from 2:00 to 3:30 pm featuring BMB's [Dr. Arjun Krishnan](#). Register [here](#).

On Wednesday, March 23rd the Cooling Tower will be shut-down for 4 hours (6am – 10am), to repair a leak. This will affect walk-in cold rooms, Lieberts, A/C Units and anything else that requires cooling tower water. All Growth Chambers will be transferred to domestic cold water and should not be affected.

MSU SciReview, a new organization at MSU, teaches science literacy and writing tools to undergraduate students of all majors. Students who participate will be encouraged to either write new or edit their old literature reviews which, after peer review, have the opportunity to be published. Students are not required to write a paper to be a member but those who publish will receive an honor cord for graduation. Email Natalie (spencen1@msu.edu) for more information.

Faculty, Academic Staff, and Graduate Students may be interested in the “Virtual Lunch and Learn: Diversity Statement Writing Workshop” Wednesday, March 30 from 2 to 3 pm. In this workshop, you will be guided through the process of recognizing your identities and positionality, and the role of DEI in your teaching, research, service, and community efforts. At the end of this session, you will have a working draft you can confidently refine. [Learn more and register here](#).

NIH and the National Postdoctoral Association are collaborating to bring you a special version of the Becoming a Resilient Scientist geared specifically for the postdoctoral community. The course is part of the NPA programming focus on mental health and wellness during 2022. The goal of this series is to help you develop the resilience you need to navigate challenging situations at work and in life. Register [here](#).

The Bayer Foundation International Scientific Fellowship offers 10K euro for Masters or PhD students to travel to Germany to develop new skills, get access to tools/infrastructure not at their home institution, and build out their scientific network. Students working in any sort of applied health research (drug discovery, data science applications to life sciences, human/animal medicine, etc.) can apply. Learn more / apply [here](#).

The College of Natural Science will be recognizing and honoring Women’s voices in STEM for this month’s “Amplify NatSci series - Celebrating Women’s History Month” on Thursday, March 24th from 7-8pm (ET) via Zoom. Register [here](#).

COGS (Council of Graduate Students) invites graduate students to come out and take a tour of the National Superconducting Cyclotron Laboratory (NSCL) and Facility for Rare Isotope Beams (FRIB) April 5 at 10 am & April 6th at 2 pm. Registration required, space is limited. Sign up [APRIL 5](#) or [APRIL 6](#). More Info [here](#) or [here](#).

Join the WorkLife Office and Higher Education Recruitment Consortium (HERC) for an informative webinar “Advancing Your Career in Higher Education”. In this webinar, they will review the current higher education job market and share four strategies for moving up in your career, including concrete steps that you can take. Register [here](#).

Recent Publications

Felczak MM, TerAvest MA. “Zymomonas mobilis ZM4 Utilizes an NADP⁺-Dependent Acetaldehyde Dehydrogenase To Produce Acetate.” *J Bacteriol.* March 2022.

Hershberger J, Tanaka R, Wood JC, Kaczmar N, Wu D, Hamilton JP, DellaPenna D, Buell CR, Gore MA. “Transcriptome-wide association and prediction for carotenoids and tocochromanols in fresh sweet corn kernels.” *Plant Genome.* March 2022.

Xu Y, Wieloch T, Kaste JAM, Shachar-Hill Y, Sharkey TD. “Reimport of carbon from cytosolic and vacuolar sugar pools into the Calvin-Benson cycle explains photosynthesis labeling anomalies.” *Proc Natl Acad Sci USA.* March 2022.

Uhl JD, Shiroda M, Haudek KC. “Developing assessments to elicit and characterize undergraduate mechanistic explanations about information flow in biology.” *Journal of Biological Education.* March 2022.