



Seminar Calendar

Monday, January 31

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

Sam Barnett (Shade lab) “Multiyear observations of soil bacterial community resilience to a subterranean coal seam fire in Centralia, PA”

Troy Burtchett (Hammer lab) “A Crucial Role for Lipoteichoic Acid Assembly in the Metabolic Versatility of *Staphylococcus aureus*”

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

[Molecular Plant Science Seminars](#)

Asaph Aharoni, University of Weizmann Institute of Science

“Complex Evolution in the Cellulose Synthase Protein Family: From Core Cell Wall Assembly to Enzymatic and Non-enzymatic Functions in Specialized Metabolism”

2:00 PM [Zoom link](#) (Passcode: 862930)

Tuesday, February 1

The Exchange – (Science discussion for BMB graduate students)

“Sophie Walters, POE, Workshop on RVSM and bystander intervention”

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

[PRL Tuesday Noon Seminars](#)

Deserah Strand, MSU (Walker Lab) “Towards an understanding of the role of metabolism on the proton circuit of photosynthesis”

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

Wednesday, February 2

Metabolism, Membranes and Metalloenzymology Interest Group

Aiko Turmo/Shramana Chatterjee (Hausinger lab)

“Characterization of a [4Fe-4S]-dependent LarE and the cyclometallase LarC for installing sulfur and nickel during nickel-pincer nucleotide cofactor biosynthesis”

4:00 PM Email Teri (compeaut@msu.edu) for the Zoom link

Thursday, February 3

[BMB Seminar Series](#)

Rick Neubig, MSU

“Drug Discovery at MSU: Phenotypic Screening to (almost) Drug Candidate”

11:00 AM Email Jessica (jesslaw@msu.edu) for the Zoom link

[EEB Seminar Series](#)

Marcella Benitez, Emory University

“Cooperation, conflict, and social choices in capuchin monkeys”

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

Announcements

If you registered for the 2022 College of Natural Science Cultural Competency for Personal, Organizational, and Community Change workshops, they have been moved online. If you haven't registered, it's not too late. Participants in this workshop series will explore issues of power, oppression, and privilege. Participants will raise their self-awareness about social identities, identify systems of inequity and oppression, and learn a framework for cultural competency development. To register and find out more information, click [here](#).

Applications are now open for three International Studies & Programs scholarships and grant opportunities. See each link for more information about the award. If you have any questions or problems submitting, please contact (517) 355-2350 or ISP.scholarship@msu.edu. For information on additional student funding sources with an international focus, click [here](#).

1. [Claffey Meyer International Travel Grant](#) - This award provides financial assistance to domestic students who intend to travel to developing countries for the purpose of providing technical assistance, participate in research, or engage in service.

2. [Dr. Charles and Marjorie GlioZZo Dissertation Research Scholarship](#) - This scholarship is available to MSU doctoral students with dissertation research objectives who have defended, or are in the process of defending, a dissertation proposal. The scholarship supports field research abroad in support of the student's dissertation.

3. [Walker Hill Scholarship](#) - The Walker Hill International Award is available to MSU doctoral students to be used for pre-dissertation visits to a doctoral research site in a country outside the United States.

The booster verification process is now live using MSU's [vaccine verification form](#), and booster information must be submitted to the form by February 1. Individuals also can request an exemption to the booster mandate using the verification form. Booster clinics are being held on January 31 and February 17 at the Breslin Center.

Open your mind and manage your stress. Learn mindfulness and meditation. Join a FREE 4-week MSU class or attend a 4-hour retreat. Learn more and register [here](#).

Speaking of wellness, the Grad Student Life and Wellness and Council of Graduate Students offers a drop-in, no cost, virtual yoga class every Thursday from 5:30 – 6:30 pm. [Register here](#).

Eli Lilly is hosting the 2022 Lilly Discovery Day event. This two-day live leadership conference is for Sophomore students seeking an internship with Lilly for the following summer. This is an opportunity for students to network with Lilly recruiters, learn about the company culture, and the internship opportunities available to them. [Here](#) is a flyer and application link.

Applications are now being accepted for Science Diversity Leadership awards from the Chan Zuckerberg Initiative (CZI). These recognize the leadership and scientific accomplishments of outstanding early- to mid-career researchers at U.S. universities, medical schools, or nonprofit research institutes who — through their outreach, mentoring, teaching, and leadership — have a record of promoting diversity, equity, and inclusion in their scientific fields. Learn more [here](#).

Applications will open mid-February for the AAMC Early Career Women Faculty Leadership Development Seminar on July 19-22. Learn more [here](#).

Undergraduates, the Isaacs Lab is looking to hire multiple field technicians to spend the summer studying insect pests and pollinators on berry farms throughout Michigan. Daily tasks include insect scouting/trapping at farms and research stations, fruit damage assessments, pollinator observations, data entry, insect rearing, and labeling and curating insect specimens. Questions should be directed to Jackie Perkins (albertj9@msu.edu).

The Department of Biochemistry at the University of Nebraska-Lincoln seeks to hire a tenure-track Assistant Professor in the research area of structural biology with an emphasis on using CryoEM approaches. Email Don Becker (dbecker3@unl.edu) for more details.

Recent Publications

Ntana F, Johnson SR, Hamberger B, Jensen B, Jørgensen HJL, Collinge DB. “Regulation of Tomato Specialised Metabolism after Establishment of Symbiosis with the Endophytic Fungus *Serendipita indica*.” *Microorganisms*. January 2022.

Gomez-Cano F, Chu YH, Cruz-Gomez M, Abdullah HM, Lee YS, Schnell DJ, Grotewold E. “Exploring *Camelina sativa* lipid metabolism regulation by combining gene co-expression and DNA affinity purification analyses.” *Plant J*. January 2022.

Russell MM, Leimanis-Laurens ML, Bu S, Kinney GA, Teoh ST, McKee RL, Ferguson K, Winters JW, Lunt SY, Prokop JW, Rajasekaran S, Comstock SS. “Loss of Health Promoting Bacteria in the Gastrointestinal Microbiome of PICU Infants with Bronchiolitis: A Single-Center Feasibility Study.” *Children (Basel)*. January 2022.

Nault R, Saha S, Bhattacharya S, Dodson J, Sinha S, Maiti T, Zacharewski T. “Benchmarking of a Bayesian single cell RNAseq differential gene expression test for dose–response study designs.” *Nucleic Acids Research*. January 2022.