



Seminar Calendar

Monday, November 8

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

Sergio Hernandez-Ortiz (Crosson lab) "A conserved gene pair with a functional role in iron acquisition in *C. crescentus*"

Abby Grieb (Shade lab) "Understanding the effects of nutrient input on microbiome inheritance in common bean"

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

Tuesday, November 9

The Exchange – (Science discussion for BMB graduate students)

"Journal Club: Richard Caprioli, Vanderbilt"

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

[PRL Tuesday Noon Seminars](#)

Daipayan Sarkar (Vermaas Lab) "Quantifying solvent impacts on lignin-cellulose interactions in diverse solvents"

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

[Microbiology & Molecular Genetics Seminars](#)

Kefei Yu, MSU "Promotion Seminar: Antigen receptor diversification by programmed DNA damage and repair"

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

[Molecular Plant Science Seminars](#)

Klaas Vandepoele, VIB/Ghent University

"Unravelling gene functions through integrative network biology in plants"

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

Thursday, November 11

[BMB Seminar Series](#)

Richard Caprioli, Vanderbilt University

"Metabolism in mammalian systems with mass spec"

11:00 AM Email Ashley (clarkas@msu.edu) for the Zoom link

[EEB Seminar Series](#)

Christie Bahlai, Kent State University

"Ecological trajectories: Tools to address conflicting evidence in temporal ecology"

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

Friday, November 12

[Plant Biology Seminar Series](#)

Paul Nabity, University of California, Riverside

3:30 PM Email Krystal (kwitt@msu.edu) for the Zoom link

Announcements

Course announcements: **BMB 960 Photosynthesis**. Spring 2022. Prof. David M. Kramer. The course will focus on the mechanisms of photosynthesis using real-life measurements made by the participants, to develop a working, integrated knowledge of photosynthesis applicable to range of disciplines, ranging from chemistry and biophysics, bioenergy and cell biology and ecophysiology and genomics. The course is designed to meet the needs of MSU graduate students with projects related to photosynthesis, and the specific topics will be driven by their on-going projects.

BMB961 Sec 003 Machine Learning for Molecular Dynamics. Spring 2022. Instructors Alex Dickson and Michael Feig. This graduate level course will provide an introduction to both machine learning and molecular dynamics theory.

Submit your proposal [here](#) to be a presenter at the MSU Science Festival, a free annual celebration of science - fueled by some of the basic elements essential to scientific inquiry: curiosity, wonder, and discovery. With events for the whole family from astronomy to music, and chemistry to microbiology; scientists and educators across the state are eager to share the wonder of science.

The 2021 College of Natural Science award Ceremony will be Friday, Nov. 19 at 3:00 in Room 1130 of the new STEM Teaching and Learning Facility, begins at 3:00 p.m. There will be in person and webinar options for attendance. Email Teri (compeaut@msu.edu) to confirm your in person or virtual attendance.

Join NSF for their monthly information session to learn about ongoing and new opportunities.

The next Virtual Office Hour will be held 18 November from 1pm-2pm EDT. This Office Hour will include a brief discussion of recently issued solicitations and Dear Colleague Letters that you might wish to investigate more. This month we will be discussing the new Building Research Capacity of New Faculty in Biology (BRC-BIO; [NSF 22-500](#)) and Research and Mentoring for Postbaccalaureates in Biological Sciences (RaMP) [NSF 22-506](#). Register [here](#) – be sure to choose November 18th.

Graduate students may be interested in “Navigating the PhD: Managing Time and Academic Relationships” Friday, November 12 - 9:00am to 12:00pm. This interactive online writing workshop is designed to help you develop an individualized plan for graduate writing, especially comprehensive exams, dissertation proposals, and dissertations. This session is generally designed for students in the early years of their PhD study. Read more [here](#).

This coming Spring CNS will be offering a graduate course “Tools for women in STEM” (NSC 844). This is a 2-credit course with practical tools that will help graduate students that identify as women to advance their career goals and mitigate the challenges they may encounter. Learn more [here](#).

November is Native and Indigenous Heritage Month. NatSci will be recognizing and honoring Native and Indigenous scientists for this month’s Amplify NatSci series Monday, November 29 at 6 PM (EST) via Zoom. Learn more and register [here](#).

Job / internship postings:

The Brandizzi lab has one undergraduate research position available. This position focuses on growing transgenic sorghum, brachypodium in growth chambers and greenhouse. Plant samples will be processed to isolate RNA, make cDNA and used in other molecular techniques. To do well in this position you should be reliable, have a basic genetics/plant biology understanding and at least 15hrs available a

week. Previous research experience is not required but is strongly encouraged. Contact Starla Zemelis-Durfee (zemeliss@msu.edu) for more information.

Recent Publications

Srikanta Dani KG, Pollastri S, Pinosio S, Reichelt M, Sharkey TD, Schnitzler JP, Loreto F. “Isoprene enhances leaf cytokinin metabolism and induces early senescence.” *New Phytol.* October 2021.