



Seminar Calendar

ALL REOCCURRING SEMINARS ARE FINISHED FOR THE SUMMER. THE FALL SCHEDULE WILL RESUME HERE WHEN SCHEDULES ARE FINALIZED.

Announcements

Don't forget you can **order directly through the BMB Store**. Benefits include same-day order placement (for requests emailed by 12pm Monday through Thursday), order tracking, discounts through various vendors, vigorous price-shopping, free S&H through most vendors - often overnight, prompt receipt and storage of ordered items, continual customer support. Contact Dea (BMB.Store@msu.edu) for more information.

BMB grad students, don't miss Tuesday's **student "pizza talks."** This week's presenters will be Paul Wang from the Kuo lab and Megan Gruenberg from the TerAvest lab. Breakout rooms are working again, so you will have an opportunity to say hello to some of the new students joining for the first time, or catch up with old friends. Email Jessica (jesslaw@msu.edu) for the Zoom info.

Joshua Kaste (committee members Shachar-Hill, TerAvest, Sung, Sharkey and Grotewold) will give his **preliminary exam** "Building a whole plant model of *Camelina sativa*" on July 14th at 9:00 am. Contact Jessica (jesslaw@msu.edu) for the Zoom link and password.

Special September graduation ceremonies - Michigan State University is planning special graduation ceremonies for the 2020 and 2021 graduates who did not have an opportunity to attend in-person ceremonies at the end of their terms. See the message from Dean Jeitschko [here](#) for more information.

Mid-SURE (Mid-Michigan Symposium for Undergraduate Research Experiences) Evaluators Needed. The Undergraduate Research Office is seeking faculty, staff, graduate students, post/pre docs, teaching assistants, etc. who are interested in providing constructive feedback to undergraduate students on their pre-recorded poster presentations. Learn more [here](#).

Talk with one of the directors of [MSU's Office of Sponsored Programs](#), Katie Cook, to learn about the office and their role at the University on Tuesday, July 13 from 12:00 – 12:45 PM. Whether you are in the midst of writing a grant application, thinking about starting one, or navigating a grant that was awarded, this is a chance to find out more about the people who will help you at each step of the way. Contact Aaron (reiflera@MSU.EDU) for the Zoom link and password.

Undergraduate and graduate students interested in developing leadership skills and who would like to work on issues for the College of Natural Science should **learn more about the [NatSci Student Advisory Council \(SAC\)](#)**, an organization whose purpose is to advise the Dean on issues concerning Undergraduate and Graduate students within the College and to promote the interests of these students.

Red water alert-Hydrants will be opened to clean and scour water mains, and annual maintenance of hydrants will be performed from 9 a.m. to 5:30 p.m., Monday through Friday, Monday, July 12, and lasting through Tuesday, July 20. During this work, some discoloration of the water supply may occur throughout campus. However, this discoloration is harmless in terms of sanitation and safety.

Job / internship postings:

The Brandizzi lab has several **open undergraduate research positions**. All positions would involve conducting research experiments as well as general lab maintenance. Responsibilities include screening several *Arabidopsis thaliana* mutants which requires sterilizing seeds, making nutrient plates, plating seeds and genotyping these plants, identify and investigate unique plant phenotypes, etc. Skills related to sterile technique and organization are important as well as knowledge in plant genetics and molecular biology. They are looking for long term student researchers to work 15-29hrs / week, previous research experience is not required but is strongly encouraged, attention to detail, ability to follow and understand written protocols, and reliability are highly valued. If interested, contact Mrs. Starla Zemelis-Durfee (zemeliss@msu.edu).

Recent Publications

Muratov EN, Amaro R, Andrade CH, Brown N, Ekins S, Fourches D, Isayev O, Kozakov D, Medina-Franco JL, Merz KM, Oprea TI, Poroikov V, Schneider G, Todd MH, Varnek A, Winkler DA, Zakharov AV, Cherkasov A, Tropsha A. "A critical overview of computational approaches employed for COVID-19 drug discovery." *Chem Soc Rev.* 2021 July 2021.

Kasahara K, Re S, Nawrocki G, Oshima H, Mishima-Tsumagari C, Miyata-Yabuki Y, Kukimoto-Niino M, Yu I, Shirouzu M, Feig M, Sugita Y. "Reduced efficacy of a Src kinase inhibitor in crowded protein solution." *Nature Communications.* July 2021.

Sharkey TD. "Pentose Phosphate Pathway Reactions in Photosynthesizing Cells." *Cells.* June 2021.

Kirst H, Kerfeld CA. "Clues to the function of bacterial microcompartments from ancillary genes." *Biochem Soc Trans.* June 2021.