



Please send submissions to Jeff Mason, masonje6@msu.edu

Seminar Calendar

MONDAY, OCTOBER 19

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

Lindsay Putman (Schrenk lab) “Community Assembly Processes in a Serpentinization-Influenced Aquifer”

Noon

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

TUESDAY, OCTOBER 20

[The Exchange](#) – (Science discussion for BMB graduate students)

“Science Communication: ComSciCon and beyond”

8:00 AM

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

[PRL Tuesday Noon Seminars](#)

Alan McClain (Sharkey lab)

Noon

[Zoom link](#) (passcode 941910)

[Plant Resilience Institute Seminar](#)

Ron Mittler, University of Missouri

“Plasmodesmata, reactive oxygen species and a trio of calcium channels orchestrate rapid systemic signaling in plants”

1:00

Email Acer VanWallaendael (vanwaax07@gmail.com) for the Zoom link

WEDNESDAY, OCTOBER 21

Metabolism, Membranes, and Metalloenzymology Interest Group

“3M Club”

Josh Lensmire (Hammer lab)

“Characterization of glutathione import and catabolism as a source of nutrient sulfur by *Staphylococcus aureus*”

4:00 PM

Email Teri (compeaut@msu.edu) for the Zoom link

THURSDAY, OCTOBER 22

[BMB Seminar Series](#)

Sophia Lunt, MSU

“Deciphering Metabolic Reprogramming in Cancer”

11:00 AM

Noteworthy News



Kellie Walker, an Honors College senior majoring in Biochemistry and Molecular Biology with a Bioethics minor in Lyman Briggs College has been nominated for two nationally competitive scholarships, Marshall and US Rhodes.

Walker is from Austin, Texas and is planning on attending medical school after she graduates, with the goal of eventually working on disability advocacy in health care.

Only five other MSU undergraduates were nominated for both of these prestigious scholarships. MSU has produced 18 Marshall Scholars and 20 Rhodes Scholars.

SPARTANS WILL.

Email Ashley (clarkas@msu.edu) for the Zoom link

FRIDAY, OCTOBER 23

[Plant Biology Seminar Series](#)

Sara Kuebbing, University of Pittsburgh

3:30 PM

Email Chasidy (perezch2@msu.edu) for the Zoom link

Announcements

On October 15th, NatSci migrated the BMB website to a new server. Now would be a good time to check any web pages that affect you and make sure the content was transferred correctly. While you are doing that, please look over your pages and let me know if there are any minor content changes you'd like to see made.

The Office of Undergraduate Research recognizes that this year continues to present challenges to mentors of undergraduate students conducting research and creative scholarship. They have created a list of resources from their office and the Council on Undergraduate Research (CUR) that mentors may find helpful. [Click here](#)

Reminder-EVERYONE coming into the Biochemistry building needs to complete the MANDATORY Research Reactivation [training session](#) AND fill out the [MSU Coronavirus Health Screening Form](#). This includes anyone coming in for a single visit (vendors / anyone you are interviewing). [Click here](#) for more information.

Kellie Walters (waltersk@utk.edu) from the Department of Plant Sciences at the University of Tennessee is recruiting for two open positions. First, an MS graduate student (possibly a PhD student if they are open to being co-advised) and the second is a research associate. The overall goal of the Walters Lab is to leverage the ability to manipulate the growing environment to alter plant physiology, improving production efficiencies and crop quality.

MSU has a variety of [Emotional Wellness Courses](#). These classes provide an opportunity to reflect on a wide variety of emotional wellness concepts, allowing us to focus on what we need to be more engaged, productive, connected, and whole. All classes and programs are free to MSU employees and their spouses and partners.

Recent Publications

Liu M, Dexheimer T, Sui D, Hovde S, Deng X, Kwok R, Bochar DA, Kuo MH. "Hyperphosphorylated tau aggregation and cytotoxicity modulators screen identified prescription drugs linked to Alzheimer's disease and cognitive functions." *Scientific Reports*. Volume 10. October 2020.

Roussey NM, Dickson A. "Enhanced Jarzynski free energy calculations using weighted ensemble." *J Chem Phys*. Volume 153. October 2020.

Doore S, Subramanian S, Parent K. "Structural Analysis of the Shigella Virus Sf14 Capsid." *Microscopy and Microanalysis 2020 Proceedings*. July 2020.

Zhai X, Haudek KC, Shi L, Nehm RH, Urban-Lurain M. "From substitution to redefinition: A framework of machine learning-based science assessment." *J Res Sci Teach*. Volume 57. October 2020.