



Seminar Calendar

MONDAY, JANUARY 11

[Molecular Plant Science Seminars](#)

Josh Michener, Oak Ridge National Laboratory

“Metabolic engineering of non-model bacteria for valorization of hemicellulose and lignin”

4:00 PM

[Zoom link](#) (Passcode: 941910)

TUESDAY, JANUARY 12

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

8:00 AM

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

THURSDAY, JANUARY 14

[BMB Seminar Series](#)

Laura-Isobel McCall, University of Oklahoma

“Bringing a spatial perspective to LC-MS/MS-based metabolomics: chemical cartography of host-microbe interactions to guide drug development”

11:00 AM

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

FRIDAY, JANUARY 15

[Plant Biology Seminar Series](#)

Brook Moyers, University of Massachusetts Boston

3:30 PM

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

Announcements

Know a student interested in research opportunities as an undergraduate? Make sure they attend a virtual information session from 4:30-5:30 p.m. on Jan. 14, 2021. Registration is required.

[Learn more](#)

The MSU Research Facilitation Network has two new resources for MSU researchers: the Research Technology and Support Service Catalog, and a related Research Consulting service.

Noteworthy News



Please join me in congratulating Beronda Montgomery, who was one of five individuals nominated by the Union of Concerned Scientists (UCS) as a 2020 Science Defender. She was cited for her “incredibly important work . . . to ensure that science benefits the common good.”

Montgomery is specifically recognized for her work as the co-organizer of the first Black Botanists Week, which was held July 6 – 11. The goal of Black Botanists Week is to “promote, encourage, create a safe space for, and find more Black people (and BIPOC) who love plants.” Because of its success, Montgomery and her colleagues are collaborating with Holden Forest and Gardens in Ohio for a year-long lecture series, “Growing Black Roots: A Black Botanical Legacy,” and are already planning for the 2021 Black Botanists Week.

Click [here](#) for more information about this prestigious award.

SPARTANS WILL.

The Research Technology and Support Service Catalog can be found at [this link](#), and is a place to search for technology and services that will facilitate your research needs. The Research Consulting service is intended to help researchers who either can't find the tool, service, or technical collaboration that they are looking for or who have complex needs. Here is [the form](#) to request a meeting with a Research Consultant.

The MSU Broad is proud to present Seeds of Resistance, on view Jan. 15 - July 18. This exhibition draws attention to the long history of plant and human interdependence by exploring the ways in which seeds encode and preserve not only genetic information, but also cultural heritage and knowledge. [Read more](#)

You are invited on Friday, January 22, 2021 (9:00AM-12:00 Noon) for an important summit, "When They See Us: Experiences of MSU Black Male Students." Inspired by NCORE's (The National Conference on Race & Ethnicity) webinar, "When They See Us: Experiences of Black Males Navigating Historically White Institutions," this summit centers on the experiences of Black men-identified students attending Michigan State University. Register [here](#).

Recent Publications

Warren MR, Radulescu A, Dornbos P, Cuomo D, Zumwalt S, Bueso Mendoza D, Nitcher M, LaPres JJ, Threadgill DW. "Peanut butter as an alternative dose delivery method to prevent strain-dependent orogastric gavage-induced stress in mouse teratogenicity studies." *J Pharmacol Toxicol Methods*. Volume 106. December 2020.

Merz KM Jr, Amaro R, Cournia Z, Rarey M, Soares T, Tropsha A, Wahab HA, Wang R. "Editorial: Method and Data Sharing and Reproducibility of Scientific Results." *J Chem Inf Model*. Volume 60. December 2020.

Merz KM Jr, De Fabritiis G, Wei GW. "Generative Models for Molecular Design." *J Chem Inf Model*. Volume 60. December 2020.

Nunes-Alves A, Mazzolari A, Merz KM Jr. "What Makes a Paper Be Highly Cited? 60 Years of the Journal of Chemical Information and Modeling." *J Chem Inf Model*. Volume 60. December 2020.

Preiser AL, Banerjee A, Weise SE, Renna L, Brandizzi F, Sharkey TD. "Phosphoglucoisomerase Is an Important Regulatory Enzyme in Partitioning Carbon out of the Calvin-Benson Cycle." *Frontiers in Plant Science*. Volume 11. December 2020.

Teoh S, Leimanis M, Andersen N, Sanfilippo D, Rajasekaran S, Lunt S. "Advancing Our Understanding of Infant Bronchiolitis Using Plasma and Urine Metabolomics." *Critical Care Medicine*. Volume 49. January 2021.

Montgomery BL. "Make equity essential to expedite change in academia." *Nat Microbiol*. Volume 6. January 2021.

Voss PG, Haudek KC, Patterson RJ, Wang JL. "Complementation of splicing activity by a galectin-3-u1 snrnp complex on beads." *Journal of Visualized Experiments*. Volume 2020.

Lotz SD, Dickson A. "Wepy: A Flexible Software Framework for Simulating Rare Events with Weighted Ensemble Resampling." *ACS Omega*. Volume 5. December 2020.

Shee PK, Yan H, Walker KD. "Intermolecular Amine Transfer to Enantioenriched trans-3-Phenylglycidates by an α/β -Aminomutase to Access Both anti-Phenylserine Isomers." *ACS Catalysis*. Volume 10. December 2020.

Rinaldi G, Pranzini E, Van Elsen J, ..., Lunt SY, Thomas G.P.Grünewald TGP, Fendt SM. "In Vivo Evidence for Serine Biosynthesis-Defined Sensitivity of Lung Metastasis, but Not of Primary Breast Tumors, to mTORC1 Inhibition." *Molecular Cell*. Volume 80. December 2020.

Pan J, Hu Y, Wang H, Guo Q, Chen Y, Howe GA, Yu D. "Molecular mechanism underlying the synergetic effect of jasmonate on abscisic acid signaling during seed germination in arabidopsis." *Plant Cell*. Volume 32. December 2020.

Takeuchi T, Lin YT, Fekaris N, Umen J, Sears BB, Benning C. "Modulation of CHT7 complexes during light/dark- And nitrogen-mediated life cycle transitions of chlamydomonas." *Plant Physiology*. Volume 184. December 2020.

Moore BM, Wang P, Fan P, Lee A, Leong B, Lou YR, Schenck CA, Sugimoto K, Last R, Lehti-Shiu MD, Barry CS, Shiu SH. "Within- and cross-species predictions of plant specialized metabolism genes using transfer learning". *In Silico Plants*. December 2020

Oliver J, Fan M, McKinley B, Zemelis-Durfee S, Brandizzi F, Wilkerson C, Mullet JE. "The AGCVIII kinase Dw2 modulates cell proliferation, endomembrane trafficking, and MLG/xylan cell wall localization in elongating stem internodes of Sorghum bicolor." *Plant Journal*. Volume 104. December 2020.

Ghuneim L-AJ, Distaso MA, Chernikova TN, Bargiela R, Lunev EA, Korzhenkov AA, Toshchakov SV, Rojo D, Barbas C, Ferrer M, Golyshina OV, Golyshin PN, Jones DL "Utilization of low molecular weight organic compounds by the filterable fraction of a lotic microbiome." *FEMS Microbiology Ecology*. Volume 96. December 2020.