



Seminar Calendar

Tuesday, January 18

The Exchange – (Science discussion for BMB graduate students)

“Hua Lu, Tulane University / p53 and cancer”

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

[Microbiology & Molecular Genetics Seminars](#)

Janani Ravi, MSU “Computational approaches to study molecular pathogenesis and intervention of infectious diseases”

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

Wednesday, January 19

Metabolism, Membranes and Metalloenzymology Interest Group

Bong Jin Hong (O'Halloran lab)

“Cancer Invasiveness and Metallomics”

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

Thursday, January 20

[BMB Seminar Series](#)

Hua Lu, Tulane University

“p53 tumor suppression and cancer biology”

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

Announcements

The Ingham County Health Department and MSU are partnering to provide the COVID-19 vaccine, including booster doses, to the MSU and greater East Lansing community. Clinics will be held at the Breslin Center with appointment availability from 10 a.m. to 6 p.m. on Jan. 17, 26 and 31. [Read more](#)

MSU has added booster shoots to its COVID-19 vaccine requirement. The deadline for students, faculty and staff to receive a COVID-19 booster and submit their information is Feb. 1. The vaccine verification form will begin accepting booster submissions Jan. 26. Read more [here](#).

MSU's 42nd annual celebration in honor of Dr. Martin Luther King Jr. will take place Jan. 14-21. The public is encouraged to attend the collection of events occurring throughout the week. This year's celebration events will be offered virtually. [Read more](#)

Plant Research Lab Faculty Candidate Maria Maldonado will present “Structural insights into plant respiration” on Tuesday January 18 at 10:00am, in person (PLB 247) and via Zoom. Email Keri (morrisk@msu.edu) for the Zoom link.

The Fulbright-Hays Doctoral Dissertation Research Abroad (DDRA) grant competition is expected to open soon. The Fulbright-Hays DDRA Project Director will offer a DDRA information session for MSU PhD students on Wednesday, January 19 at 4:00pm (Zoom link available [here](#)). This session will give an overview of the program, discuss eligibility and benefits, then cover the various application requirements, with ample time for Q&A. More information [here](#).

Foundational Fridays will be returning for the spring 2022 semester. Foundational Fridays are 45-minute diversity/equity/inclusion (DEI)-focused topics. These sessions are open to faculty, specialists, staff, postdocs, and graduate students. For topic details, Zoom information, and to sign up, click [here](#).

The DOD is accepting applications for its [Mitochondrial Health & Organ-Level Effects Doctoral/Postdoctoral Internship](#) at the Air Force Research Laboratory in Dayton, OH. U.S. Citizens Only.

The [VERITIES Initiative](#) will be offering virtual discussion-based Responsible Conduct of Research (RCR) workshops during the week of January 17th. These engaging 90 minute workshops invite participants to dialogue with peers as they reflect upon the goals and virtues of responsible scholarly practice. These workshops provide participants with 1.5 hours of discussion-based training, which can help graduate students satisfy their [Research Integrity](#) training requirements.

Professor Om Parkash Dhankher (parkash@umass.edu) has an immediate opening for a postdoctoral research scientist in his laboratory at the University of Massachusetts Amherst. The position is being funded through a National Institute of Environmental Health Sciences (NIEHS) grant focused on developing engineered plants for the phytoremediation of arsenic. In this project, the Laboratory team is engineering *Crambe abyssinica* (a mustard family member) via stacking several genes involved in uptake, translocation, detoxification, and hyperaccumulation of arsenic in the aboveground shoot biomass for phytoremediation of arsenic and other toxic metals. This position requires strong expertise in plant molecular biology, gene cloning, gene stacking, and biotechnological approaches. Learn more [here](#).

Applications are now open for the 2022 Summer REU Internship Program at the Donald Danforth Plant Science Center. Students in the program will be exposed to research outside of academia and interact with scientists at all levels of experience and from a variety of countries. Internships pay a stipend of \$8,255 and are available to undergraduate students who will not have graduated by May 23, 2022. More information [here](#).

The Prevention, Outreach and Education Department, in partnership with the Graduate School, is hosting their first Graduate Student Symposium on February 16th and would like to invite all MSU Graduate Students to participate in this afternoon of interactive and action-oriented workshops around prevention of harassment and discrimination. Sessions will be offered in-person from 2:00 to 6:00 PM at the MSU Union. After the event, join us for networking, dinner, and music. [Registration required](#). Limited space available.

The Dean of the College of Arts & Letters announces a 75% 6-month position (July 1, 2022 – December 31, 2022) with the title of Acting Associate Dean for Academic Personnel and Administration to provide temporary replacement for a research leave. This position has diversity, equity, and inclusion work at its core in alignment with the values and priorities of the College (<https://cal.msu.edu/about/values-priorities/>). There will be an opportunity for part-time job shadowing in May/June 2022. This position is envisioned to function as an “administrative fellow” opportunity for leadership development.

A Postdoctoral Scholar position is available immediately in the Zerbe Laboratory at the UC Davis Department of Plant Biology. The Zerbe lab integrates genomics-based gene and pathway discovery and metabolomics with plant biochemical and protein structure-function studies to elucidate the biosynthesis, function and regulation of plant terpenoid metabolites in a range of food, bioenergy and medicinal plants. Contact Philipp Zerbe (pzerbe@ucdavis.edu) with questions.

The [Michael Smith Laboratories](#) at the University of British Columbia (UBC) invites applications for a faculty position in Plant Bioengineering. The anticipated rank is Assistant Professor. Plant bioengineering related areas of strategic interests include, but are not limited to high value plant bioproducts, plant synthetic biology, and food security. Questions should be directed to Joerg Bohlmann (bohlmann@mssl.ubc.ca).

Registration is open for the spring 2022 College of Natural Science Cultural Competency for Personal, Organizational, and Community Change workshops. 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](#).

Recent Publications

Olenic S, Buchanan F, VanPortfliet J, Parrell D, Kroos L. “Conserved Proline Residues of Bacillus subtilis Intramembrane Metalloprotease SpoIVFB Are Important for Substrate Interaction and Cleavage.” *J Bacteriol.* January 2022.

Johnson KA, Krishnan A. “Robust normalization and transformation techniques for constructing gene coexpression networks from RNA-seq data.” *Genome Biol.* January 2022.

Petrescu DI, Dilbeck PL, Montgomery BL. “Environmental Tuning of Homologs of the Orange Carotenoid Protein-Encoding Gene in the Cyanobacterium *Fremyella diplosiphon*.” *Front Microbiol.* December 2021.

Hong H, Choi HK, Yoon TY. “Untangling the complexity of membrane protein folding.” *Curr Opin Struct Biol.* January 2022.