



Seminar Calendar

No Seminars

Announcements

Pizza Talk Series Audience: Graduate students

August 2, 2022 – 12 p.m.

Garden outside Biochemistry building

Nick Moreno and Majid Jafari in the Farre and Merz labs will talk about their research, plans for future research, and/or journal article of interest, with plenty of time for questions and answers. Pizza lunch provided.

Contact David Arnosti arnosti@msu.edu for information.

MSU Graduate Career Advising Dropbox Attention Graduate Students

MSU graduate students can now have their professional documents (resumes, cover letters, etc.) reviewed by a Graduate Career Advisor through the Office of Graduate Career Development electronically and without needing to make an appointment. A response with feedback on your document(s) will be emailed with one week. Simply [complete this form](#). You must be signed into Google via your MSU email address to access the form.

COVID-19 Guidance for International Travel Attention Staff, Faculty, Research Associates, and Graduate Students

To help field questions, Global Safety has developed a guide with recommended steps and resources. This is available as a PDF and on the Global Safety website at www.globalsafety.msu.edu/positive-COVID-19. The first step is to [call ISOS](#) for guidance.

Noteworthy News



Congratulations on Your Promotion!

Martha Faner	Associate Professor
Björn Hamberger	Associate Professor
Min-Hao Kuo	Professor
Kristin N. Parent	Professor
Amy Ralston	Professor

SPARTANS WILL

Announcements (continued)

Pilot Project – Navigating the Non-academic Transition Process: Visioning Your Long-Term Career Development

Audience: Current Graduate students

August 11, 2022 – 3-4 p.m.

Join The PILOT Project in the final seminar of a four-part series discussing pathways to non-academic careers with special guest Stephen Kakaire, Ph.D. and Plant Industry Scientist from the Michigan Department of Agriculture and Rural Development (MDARD). In this seminar, we review the non-academic transition process of “discover-research-implement-build”, adopted from Beyond the Professoriate, and given special attention on experiences from our international student community and needs from The PILOT Project participants. Register at [this link](#).

Google PhD Fellowship *Attention Doctoral Students*

August 31, 2022 – Pre-screening form due by 8 a.m.

MSU may nominate up to 4 students for the Google PhD Fellowship. The Google PhD Fellowship Program was created to recognize outstanding graduate students doing exceptional and innovative research in areas relevant to computer science and related fields. Fellowships support promising PhD candidates of all backgrounds who seek to influence the future of technology. Google’s mission is to foster inclusive research communities and encourages people of diverse backgrounds to apply. Learn more and [apply here](#).

International Symposium on “Technologies in Brain Cancer”

September 30, 2022 – October 1, 2022

The University of Michigan BioInnovations in Brain Cancer is now accepting abstract submissions and registrations. The symposium will bring together scientists to bridge the gap between brain cancer biology research and novel technological developments in order to advance the diagnosis and treatment of glioma. The symposium will include talks from key opinion leaders from the basic sciences to translation covering a wide range of topics in pharmaceutical sciences, engineering, clinical care, and biomedical innovations. There will be a poster session, exhibitions and networking events in order to share knowledge and build a community of diverse expertise. Learn more [here](#).

Office of Admissions Raising Cutoff Score for Duolingo

Attention Graduate Program Directors, Graduate Academic Program Coordinators, and Students

August 11, 2022 – 3-4 p.m.

The Office of Admissions is raising the cutoff score for Duolingo from 105 to 110 for both undergraduate and graduate applicants, with a provisional admission score range of 95 to 105. This change will apply to Fall 2023 applicants and beyond. Learn more [here](#).

WRA 495: Working with Multilingual Writers *Audience: Current Graduate Students*

This course aims to raise awareness of how people develop written and digital literacy skills in an additional language and how to apply this knowledge when providing feedback on writing with multilingual writers in university contexts. Learn more [here](#).

Grad School Fall Welcome Event *Audience: New and Returning Graduate Students*

August 27, 2022 – 10 a.m.

MSU Union

Fall Welcome event begins with a resource fair, where Dean Pero Dagbovie will welcome students and introduce the activities of the Graduate School. This fair will include student organizations, campus groups, and community businesses that will provide students with a foundation of resources for their academic career. After the resource fair, graduate students are invited to Benefactors Plaza (between Chittenden Hall and Student Services) for a cookout sponsored by the [Council of Graduate Students](#), including music, games, giveaways, and more.

Announcements (continued)

Climate Change Research Support Program

Attention Current Graduate Students

Deadline: September 9, 2022

MSU graduate students are eligible to submit proposals for the Climate Change Research Support Program. This program is an important initial funding mechanism to support promising new initiatives in key areas of research, scholarship, and multidisciplinary collaboration in response to the global climate crisis. Learn more [here](#).

Jobs

Postdoctoral Research Associate Position

The lab of Dr. Tommy Vo, BMB, is seeking to hire a postdoc available to study the regulation of epigenetic histone modifications during development and stress response. Available projects in the lab will employ genetic, genomic, molecular, and biochemical approaches to understand the mechanistic role of transcription machinery in specifying and modulating histone modifications in the fission yeast, *Schizosaccharomyces pombe*. The position is in a young lab in which the research associate will uniquely benefit from experiencing, first-hand, a new lab environment. Contact Tommy Vo for information votommyv@msu.edu. See job posting and apply at this [link](#).

Postdoctoral Research Associate Position

The Jin He lab in Biochemistry and Molecular Biology is seeking a Research Associate to use mouse models to study the epigenetic mechanisms in brain development and neurodevelopmental diseases such as autism spectrum disorder, intellectual disability, and attention deficits/hyperactivity disorder. A PhD is required in Neuroscience, Genetics, Molecular Biology. Please contact Jin He directly hejin1@msu.edu. See the job posting and apply at this [link](#).

Postdoctoral Research Associate Position

Rob Quinn in BMB seeks a Research Associate to work on an NIH funded project to understand the role of the lung microbiome in Cystic Fibrosis. Patients with this disease battle complex lung infections throughout their lifetime and our laboratory is studying how microbial metabolism and dynamics may be responsible for the progression CF disease. This project involves a multi-faceted approach including microbial culture models of the lung environment, big data multi-omics analysis, and mathematical modelling. Skills in microbiology and multi-omics data generation, including mass spectrometry and high-throughput nucleic acid sequencing, are highly desirable. The research associate will work tightly with clinicians and other scientists in the laboratory to develop a comprehensive approach to understanding these important clinical events of CF disease. This position will involve generation and analysis of metabolomics and microbiome sequencing data. There will also be a large culture-based approach involving multi-species biofilm communities and perturbations of the lung microbiome in a mucus-plugged bronchiole microcosm. This position will require an understanding of multi-variate statistics and methods for integration of multi-omics datasets. Experience with computer coding languages for data analysis such as Python and R are highly desirable. The Research Associate will also gain experience in mentoring undergraduates and graduate students in scientific studies related to the project. Apply at MSU Careers posting [799757](#).

Lead Scientist I – Discovery (Program Lead)

Kalsec in Kalamazoo, Michigan, seeks a Lead Scientist to lead research efforts for their Novel Natural Compound Discovery platform. The ideal candidate would have experience in natural products chemistry/Pharmacognosy. A bit about Kalsec: “Kalsec provides natural Taste & Sensory Solutions, Colors, Food Protection and Advanced Hop Products to the food and beverage industries. We capture the best nature has to offer and utilize over 60 years of experience and industry leading innovation to make food and beverage products look better, taste better and last longer. Family owned and headquartered in Kalamazoo, Michigan since 1958, Kalsec has regional offices, laboratories and sales teams locations in North America, Europe and Asia. As a certified B Corp, Kalsec makes ethical and sustainable decisions that serve our customers, employees, communities and the environment. We are proud to be using our business as a force for good. This position is within Global R&D on the Discovery & Open Innovation team, which leads our long-term innovation efforts.” See the job posting and apply [here](#).

Jobs (continued)

Student Position: BMB Kaguni Lab

Seeking a student employee for general lab duties, dishwashing, etc. Contact Dr. Jon Kaguni kaguni@msu.edu.

Recent Publications

Bird, K.A., Jacobs, M. *et. al.* “Parental origins of the cultivated tetraploid sour cherry (*Prunus cerasus* L.)” *Plants People Planet* (2022).

Bibik, J.D., Weraduwege, S.M., Banerjee, A., Robertson, K., Espinoza-Corral, R., Sharkey, T.D., Lundquist, P.K., Hamberger, B.R. “Pathway engineering, re-targeting, and synthetic scaffolding improve the production of squalene in plants.” *ACS Synthetic Biology* Vol. 11, Iss. 6 (2022).

Tinney, K.R., Dover, J.A., Doore, S.M., and Parent, K. “*Shigella* viruses Sf22 and KRT47 require outer membrane protein C for infection.” *Biochimica et Biophysica Acta (BBA) – Biomembranes* Vol. 1864, Iss. 7 (2022).

Rossi, M., Altea-Manzano, P., Demicco, M. *et. al.* “PHGDH heterogeneity potentiates cancer cell dissemination and metastasis.” *Nature* 605, 747–753 (2022). <https://doi.org/10.1038/s41586-022-04758-2>

See story on Sophia Lunt’s collaborative research on molecular workings of a certain form of metastatic Breast cancer in [MSU Today](#).