



Seminar Calendar

TUESDAY, JANUARY 19

The Exchange – (Science discussion for BMB graduate students)

8:00 AM

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

WEDNESDAY, JANUARY 20

Metabolism, Membranes and Metalloenzymology Interest Group

Nathan Frantz (Proshlyakov lab)

“Electrochemical Assessment of Complex III in the mitochondrial electron transport chain”

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

THURSDAY, JANUARY 21

BMB Seminar Series

Andrew Olive, MSU

“Dissecting IFN-gamma-mediated responses in macrophages to understand protection against chronic infections”

11:00 AM. Email Ashley (clarkas@msu.edu) for the Zoom link

EEB Seminar Series

Sophia Parker, Lead Scientist, The Nature Conservancy

Nick Pilfold, Scientist, San Diego Zoo Institute for Conservation

“Careers outside of academia”

3:30 PM. Email Barbara (eeb@msu.edu) for the Zoom link

FRIDAY, JANUARY 22

Plant Biology Seminar Series

Theresa Crimmins, USA National Phenology Network

“The USA National Phenology Network: Data, tools, and resources to support science, management, and outreach”

3:30 PM. Email Chasidy (perezch2@msu.edu) for the Zoom link

Announcements

The Dan David Scholarships for doctoral and post-doctoral students are being accepted until March 10th. Awards are being made in the areas of History of Health and Medicine, Public Health, and Molecular Medicine. The latter two are defined broadly and encompass some of the ongoing work in NatSci units. Click [here](#) for more information.

Graduate student workshop “Hack Your Budget: A Personal Finance Workshop for Graduate/Professional School” will be held Wednesday, January 27th, 6:00 PM EST - via Zoom. Dr. Emily Roberts, personal finance educator

Noteworthy News



Please join me in congratulating Peter Lundquist, who received a 2-year, \$425,000 grant award that starts January 15th from the USDA Agriculture and Food Research Initiative Competitive Grants Program to study the roles of maize plastoglobule lipid droplets in water-deprivation and heat tolerance.

Lundquist will be collaborating with Tom Sharkey and Christoph Benning on specific experiments.

Click [here](#) to read more about this project.

SPARTANS WILL.

specializing in early-career PhDs, will show you how to “hack” your budget by decreasing spending in key necessary areas and implementing tricks to make your budget more effective. Click [here](#) for more information.

Pfizer has two full-time contract positions (13 months minimum/25 months maximum) open in their Bioprocess Development Group (BDG). These positions offer an excellent opportunity for recent or soon-to-be graduates to gain industrial experience in application of biology, microbiology, molecular biology, genetics, and/or biochemistry training. Email Pankaj Soni (Pankaj.soni@pfizer.com) for more information.

The Biochemistry building has opened several rooms for everyone to use. Rooms 208A, 302A and 402A are for eating. Each of these rooms is equipped with a microwave. Room 106 is designated as a Personal Health Room and can be used for anything from a lactation room to a room to just get away to write or chill out. You can read more and reserve a room [here](#).

Graduate students in the latter years of your PhD study, check out the workshop Navigating the PhD: Writing Processes & Strategies for Academic Writing on Friday, February 5, from 1:00 to 4:00. This interactive online writing workshop is designed to help graduate students develop an individualized plan for graduate writing, especially comprehensive exams, dissertation proposals, and dissertations. [Read more and register here](#).

Check out these free databases that provide information on grants and fellowships from around the world for [graduate students](#), [postdoctoral researchers](#) and [junior faculty members](#).

The [COVID-19 Early Detection Program](#) (Spartan Spit) has resumed. Faculty, staff and students are encouraged to participate. Click [here](#) to register or for more information.

Recent Publications

Zhou F, Last RL, Pichersky E. “Degradation of salicylic acid to catechol in Solanaceae by SA 1-hydroxylase.” *Plant Physiology*. Volume 185. January 2021.

Kuliyev E, Zhang C, Sui D, Hu J. “Zinc transporter mutations linked to Acrodermatitis enteropathica disrupt function and cause mistrafficking.” *Journal of Biological Chemistry*. Volume 296. January 2021.

Sugimoto N, Engelgau P, Jones AD, Beaudry R. “Citramalate synthase yields a biosynthetic pathway for isoleucine and straight- and branched-chain ester formation in ripening apple fruit.” *PNAS*. Volume 118. January 2021.

Rahimabad PK, Anthony TM, Daniel Jones AD, Eslamimehr S, Mukherjee N, Ewart S, Holloway JW, Arshad H, Commodore S, Karmaus W. “Nicotine and Its Downstream Metabolites in Maternal and Cord Sera: Biomarkers of Prenatal Smoking Exposure Associated with Offspring DNA Methylation.” *International Journal of Environmental Research and Public Health*. Volume 17. January 2021.

Monson RK, Weraduwege SM, Rosenkranz M, Schnitzler J-P, Sharkey TD. “Leaf isoprene emission as a trait that mediates the growth-defense tradeoff in the face of climate stress.” *Oecologia*. January 2021.