



Seminar Calendar

THURSDAY, SEPTEMBER 3

[BMB Seminar Series](#)

NiCole Buchanan, Michigan State University
“Epistemic Exclusion, Research Myopia, and the Diversity-
Innovation Paradox: Barriers to Diversity, Equity, and Inclusion”
11:00 AM
Email Ashley (clarkas@msu.edu) for the Zoom link

FRIDAY, SEPTEMBER 11

[Science at the Edge](#)

Jon Lederer, University of Maryland
“How mitochondrial ATP production is regulated in heart”
11:30 AM
Email Alex Dickson (alexrd@egr.msu.edu) for the Zoom link

Announcements

Sarah Doore, a postdoc in Kristin Parent’s lab, just accepted a position of Assistant Professor as a tenure track faculty position at the University of Florida in Gainesville. Sarah was the recipient of this year’s BMB Outstanding postdoctoral researcher award.

A team of BMB biochemists, who care deeply about our undergraduates, are sewing masks in their spare time and donating the money raised (over \$6K so far) to MSU undergraduate funds. The team is called [sew4science](#) and consists of Amy Ralston, Kristin Parent, Leslie Thompson, Claire Vieille and Michaela TerAvest. Look them up if you need a great mask.

Below is an interesting article in *Science* about how the pandemic is affecting scientist parents.

[Read more:](#)

MSU IT is offering a number of useful webinars for last minute preparations for moving classes online.

[Read more:](#)

Noteworthy News



Please join me in welcoming new assistant professor Ben Orlando to the department. We recruited Ben from Harvard Medical School, where he was a postdoctoral scholar in the lab of Maofu Liao.

Ben did his PhD at Hauptman-Woodward Institute / SUNY at Buffalo and his undergraduate work here at Michigan State University.

Ben’s research interests include Molecular mechanisms of bioactive lipid transport and signaling / conformational dynamics of membrane transporters and signaling complexes / cryo-electron microscopy.

Ben is a Michigan native and grew up on the northeast side of Detroit. In his spare time, he enjoys brewing his own beer, building small scale electronics, and computer generated art and animations.

SPARTANS WILL.

MSU's [WorkLife Office](#) has compiled valuable resources for parents and caregivers who are facing challenges and stresses associated with balancing work while their children return to school.

NatSci has released the results of its Organizational Climate Survey, which was undertaken in Spring 2019 to gauge the current college climate on work and learning environments.

[Read more:](#)

Nominations are being accepted for Howard Hughes Medical Institute's 2021 Gilliam Graduate Fellowships for Advanced Study. The goals of the Gilliam program are to ensure that populations historically excluded from and underrepresented in science are prepared to assume leadership roles, including as college and university faculty, and to foster the development of a healthier, more inclusive academic scientific ecosystem.

MSU is limited to 2 nominees and questions and nominations should be addressed to schwartz9@msu.edu by 5 pm on September 7, 2020.

[Read more:](#)

The BMB Student Emergency Fund is accepting donations.

This fund was set up to provide funding to any undergraduate student in BMB (NatSci and Lyman Briggs) who has unforeseen short-term needs because of the COVID-19 pandemic. Funding will be distributed based on availability and student's need.

For more information and to make a donation [click here](#).

Course Announcements:

CMSE 890-005 "Computational Medicine", open to undergraduate and graduate students, provides a survey of, and experience in, applying quantitative and computational techniques in contemporary biomedical research, based on diverse large-scale data. Course instructor Jianrong Wang (wangj164@msu.edu).

Recent Publications

Song LF, Merz KM. "Evolution of Alchemical Free Energy Methods in Drug Discovery." *J. Chem. Inf. Model.* Volume 60. August 2020.

Sharkey T, Preiser A, Weraduwege S, Gog L. "Source of ^{12}C in Calvin Benson cycle intermediates and isoprene emitted from plant leaves fed with $^{13}\text{CO}_2$." *Biochem J.* Volume 477. August 2020.

Teoh ST, Ogrodzinski MP, Lunt SY. "UDP-glucose 6-dehydrogenase knockout impairs migration and decreases in vivo metastatic ability of breast cancer cells." *Cancer Letters.* Volume 492. July 2020. Online ahead of print.