



Seminar Calendar

ALL REOCCURRING SEMINARS ARE FINISHED FOR THE SUMMER. THE FALL SCHEDULE WILL RESUME HERE WHEN SCHEDULES ARE FINALIZED.

Announcements

BMB grad students, don't miss Tuesday's **student "pizza talks."** This week's presenters will be Carson Broeker from the Andrechek lab and Rees Rillema from the Ducat lab. Breakout rooms are working again, so you will have an opportunity to say hello to some of the new students joining for the first time, or catch up with old friends. Email Jessica (jesslaw@msu.edu) for the Zoom info.

The Postdoc Academy: Building Skills for A Successful Career provides skill development for postdocs as they prepare to transition into their next career step. Using inclusive, active-learning approaches, participants will build skills to (1) inform your approach to leadership, (2) build and supervise a team, (3) manage projects, (4) apply teaching skills beyond the classroom, (5) develop strategic communication skills and (6) prepare successful job application materials. This workshop starts July 19th. Registration (free) is open [here](#). Find out more about the Postdoc Academy [here](#).

Job / internship postings:

The **BMB-PLB Specialist-Advisor position** to replace Kendra Pyle is now posted [here](#). This position will advise undergraduate students and will work collaboratively with the undergraduate team in both departments to engage in proactive and holistic advising, offered through an equity lens, to support and empower students to reach their goals and to make a difference in the MSU community and the world at large.

The Stowers Institute for Medical Research in Kansas City has **open postdoctoral positions** in the Workman lab. The mission of the Stowers Institute is to make a significant contribution to humanity through foundational biomedical research by expanding our understanding of fundamental biological processes. The Workman lab focuses on studying the protein complexes that carry out histone modifications, crosstalk between histone modifications, and protein complexes that recognize the resulting signals. They also search the linkage among transcription, translation, and metabolism through studying the protein complexes directly regulating metabolism in yeast and humans. Email Jerry Workman (JLW@stowers.org) for more details.

Noteworthy News



We are pleased to share the news of another new baby in the department. We welcomed Gail Anne Catherine TerAvest on June 7 at 12:30 am. She weighed 8 lb. 14 oz and was 20.5" long at birth. Everyone is healthy and happy, including Mom (Michaela - BMB faculty) and Dad (Andrew) and big brother (Jay).

**(FUTURE) SPARTANS
WILL.**

FanYang, a previous postdoc in the Grotewold lab, who is now at [Benson Hill](#), has 3 **open research positions**. Benson Hill empowers innovators to develop more healthy, tasty and sustainable food by unlocking the natural genetic diversity of plants.

1. Scientist I (Food Science) - will be responsible for a variety of food science analyses, including functionality, composition, and related assay / process development. More information [here](#).
2. Senior Research Associate (Food Science) - will be responsible for a variety of food science analyses, including functionality, composition, and related assay / process development. More information [here](#).
3. Research Associate II - will be contributing to a variety of food science analyses, including functionality, composition, and related assay / process development. More information [here](#).

Fibertec Environmental Services in Holt Michigan is **looking for a chemist** who is proficient with Thermo IC Systems, OI Analytical Instruments, ICP-MS, CVAAS, and CVAFS as well as performing maintenance and troubleshooting of this equipment. Writing SOPs and method development would be included although likely to a lesser extent. Email Heather Smith (hsmith@fibertec.us) for more information.

Recent Publications

Green AI, Parent KN, Underwood SM, Matz RL. "Connecting Ideas across Courses: Relating Energy, Bonds and How ATP Hydrolysis Powers a Molecular Motor." *American Biology Teacher*. Volume 83 May 2021.

Ntana F, Bhat WW, Johnson SR, Jørgensen HJL, Collinge DB, Jensen B, Hamberger B. "A Sesquiterpene Synthase from the Endophytic Fungus *Serendipita indica* Catalyzes Formation of Viridiflorol." *Biomolecules*. June 2021.

Guzior DV, Quinn RA. "Review: microbial transformations of human bile acids." *Microbiome*. June 2021.

Sutter M, Melnicki MR, Schulz F, Woyke T, Kerfeld CA. "A catalog of the diversity and ubiquity of bacterial microcompartments." *Nature Communications*. June 2021.

Gao Y, Duque-Wilckens N, Aljazi MB, Wu Y, Moeser AJ, Mias GI, Robison AJ, He J. "Loss of histone methyltransferase ASH1L in the developing mouse brain causes autistic-like behaviors." *Commun Biol*. June 2021.

Li M, Svoboda V, Davis G, Kramer D, Kunz HH, Kirchhoff H. "Impact of ion fluxes across thylakoid membranes on photosynthetic electron transport and photoprotection." *Nature Plants*. June 2021.