



Please send submissions to Steve Lundback, [lundback@msu.edu](mailto:lundback@msu.edu), 212 Biochemistry (Mailbox on 2<sup>nd</sup> Floor)

## Announcements

### [Workshops from the Graduate School](#)

Electronic Thesis and Dissertation Formatting Workshop  
Chittenden Hall (Rm. 110)  
Friday, June 14, 2019 - 10:00am to 11:00am

Ph.D. Career Parade: Science Policy with Dr. Nicole Parker  
Room 1425 BPS  
Wednesday, June 19, 2019 - 11:30am to 1:00pm

Navigating the PhD: Managing Time and Academic Relationships (Session 1)  
The Writing Center  
Friday, August 2, 2019 - 9:00am to 12:00pm

Navigating the PhD: Writing Processes & Strategies for Academic Writing (Session 2)  
The Writing Center  
Friday, August 2, 2019 - 1:00pm to 4:00pm

### [Advanced Molecular Imaging Course](#)

An advanced molecular imaging course targeted toward senior graduate students, postdoctoral researchers, and young faculty who are interested in advancing their knowledge to become leaders in the field. Individuals who have a fundamental understanding of biology, chemistry, and physics will get the most from this intensive course. Join us on the beaches of Holland, MI from July 24th – 27th 2019 at Hope College! Register [here](#).

### [Targeting Metabesity 2019](#)

October 15 - 16, 2019, Washington, DC  
Abstract submission for Targeting Metabesity 2019 is now open. The committee encourages submissions that are innovative and challenge current treatment paradigms. There is an early deadline (June 1, 2019, 5 p.m. EDT) and a standard deadline (August 1, 2019, at 5 p.m. EDT). For more information, visit [metabesity2019.com](http://metabesity2019.com)

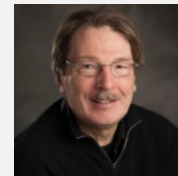
### [BMB Picnics](#)

The next BMB monthly noon picnics will be on June 20th at the courtyard behind the Biochemistry building.

### [Bayer Analytical Scientist Position](#)

Bayer is looking for an Analytical Scientist possessing depth of knowledge of protein biochemistry and analytical techniques, who will apply their expertise and hands-on skills to protein and biologics analysis. The primary function of the MSAT Lab group is to support manufacturing by performing lab experiments and this scientist position will be working for MSAT analytical lab.

## Noteworthy News



The Benning lab has identified a rhomboid-like protein that may help plant chloroplasts tune their lipid production. One of the big mysteries in plant lipid studies is how plants control this production system. Figuring this out could give us clues on how plants optimize photosynthesis, even when surrounding conditions are difficult, like drought or heat. We might also learn how to boost plant productivity, through genetic or breeding tools. [Read more here.](#)

**SPARTANS WILL.**

### [FDA Staff Chemist Position](#)

The Office of Regulatory Science (ORS) of the U.S. Food and Drug Administration's Center for Food Safety and Applied Nutrition is seeking an outstanding analytical or bioanalytical chemist with mass spectrometry expertise to participate in our food safety/food defense research program.

### [Post-doctoral Position, Kenyon College Biology Department](#)

The Biology Department at Kenyon College in Gambier, OH is seeking qualified applicants for a full-time, [post-doctoral position](#) in the laboratory of Karen Hicks. This position is funded through a Research at Undergraduate Institutions (RUI) grant from the NSF to study the evolution of seasonal regulation of reproduction in land plants. The immediate goal for our NSF-funded program is functional analysis via CRISPR-Cas9 knockout mutagenesis of genes that are likely to be involved in seasonal regulation of reproduction in the moss *Physcomitrella patens*.

## Recent Publications

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*For most publications from BMB labs during the past year, see [Recent Publications](#) on the BMB website.*

Zhang T, Kulyev E, Sui D, Hu J. "The Histidine-rich Loop in the Extracellular Domain of ZIP4 Binds Zinc and Plays a Role in Zinc Transport." *Biochem J.* (2019) Jun 4. doi: [10.1042/BCJ20190108](https://doi.org/10.1042/BCJ20190108)

Chen B, Zhang G, Li P, Yang J, Guo L, Benning C, Wang X, Zhao J. "Multiple GmWRI1s are redundantly involved in seed filling and nodulation by regulating plastidic glycolysis, lipid biosynthesis, and hormone signaling in soybean (*Glycine max*)." *Plant Biotechnol J.* (2019) Jun 3. doi: [10.1111/pbi.13183](https://doi.org/10.1111/pbi.13183)