



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](#)

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](#).

### [CMSE 890: Gaps, Missteps, & Errors in Statistical Data Analysis](#)

Arjun Krishnan will be teaching a short course on essential concepts for rigorous practice & critical interpretation of

statistical data analyses will be offered this fall from November 6th to December 4th, M-W, 3pm-5pm.

### [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 July 18<sup>th</sup> at the courtyard behind the Biochemistry building.

### [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.

## Noteworthy News



Bob Hausinger, Christoph Benning, and Christina Chan were among those bestowed the title of University Distinguished Professor by the MSU Board of Trustees at their June 21st meeting. This title is awarded to select faculty members who are nationally recognized for the importance of their achievements. Awardees have superior teaching skills that encompass the breadth and depth of their discipline, a distinguished record of public service, and scholarly, creative, and artistic achievements. The title of University Distinguished Professor is permanent for the duration of a recipient's service at MSU.

**SPARTANS WILL.**

### [Paid Fellowship: Spartan Innovations Venture Fellows](#)

The Venture Fellows program assists in launching startup companies based on inventions by MSU faculty, Staff and graduate students and to provide graduate students experience in technology commercialization. The program runs from September through the end of April. Fellows will have a direct impact on scaling MSU technology for commercialization and have access to top-ranked faculty as well as industry experts. Fellows are grouped in teams of three – a business student and two STEM/STEAM students – who are responsible for developing and executing a plan for moving the technology towards commercialization.

### [Scientist position in Metabolomics and Biomarker Team at Kintai Therapeutics](#)

The Scientist/Senior Scientist, Metabolomics & Biomarkers will be a key member of the Kintai Therapeutics Research and Development team. Within the Microbiome, Genomics, & Metabolomics platform, the candidate will support both metabolomics and exploratory biomarker efforts that will fundamentally enable our pioneering work in microbiome pharmacology. Since our goal is to capture a complete picture of the gut metabolome, candidates with both lipidomics and metabolomics backgrounds are highly preferred. The candidate will be expected to collaborate closely with Kintai Therapeutics team members in chemistry and biology to maximize value from the scientific platform and enable project decision making.

### [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.

### [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

---

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

Milutinovic M, Lindsey BE 3rd, Wijeratne A, Hernandez JM, Grotewold N, Fernández V, Grotewold E, Brkljacic J. “Arabidopsis EMSY-like (EML) histone readers are necessary for post-fertilization seed development, but prevent fertilization-independent seed formation.” *Plant Sci.* (2019) Aug;285:99-109. doi: [10.1016/j.plantsci.2019.04.007](https://doi.org/10.1016/j.plantsci.2019.04.007)

Heo L, Arbour CF, Feig M. “Driven to near-experimental accuracy by refinement via molecular dynamics simulations.” *Proteins.* (2019) Jun 14;. doi: [10.1002/prot.25759](https://doi.org/10.1002/prot.25759)