



Please send submissions to Steve Lundback, lundback@msu.edu, 212 Biochemistry (Mailbox on 2nd Floor)

Giving Tree

Thank you BMB!!

We were able to provide all of the items on the kids' wish list for Child and Family Charities!

Your generosity is amazing!



Announcements

Checkout the [Grad/Postdoc News](#) page on the BMB website for the latest events and opportunities.

East Lansing Income Tax Update

MSU is required to withhold income tax effective Jan. 1, 2019 for employees who live and/or work in the City of East Lansing. You will need to review and certify your W-4 Local Tax form information for your residence and work tax locations through the EBS Portal starting Dec. 17.

BMB Network Outage Schedule

Complete Building Outage - Saturday December 15th (6am -12pm)

The BMB building network backbone will be upgraded on Saturday morning from 6 AM to 12 PM. Both Ethernet and wireless connectivity will not be available during this time.

Partial Ethernet outages due to switch upgrades will occur as follows:

Basement - Monday, December 17th (6am – 1pm)

5th Floor - Thursday, December 20th

1st Floor - Friday, December 21st (6am – 1pm)

2nd Floor - Wednesday, December 26th

4th Floor - Friday, December 28th

Seeking Presenters and Volunteers for Girls Math & Science Day 2019

The MSU Graduate Women In Science are seeking presenters and volunteers for Middle School Girls Math and Science Day held on March 2nd, 2019 from 1-5pm. The event is an opportunity for middle school girls to participate in science demonstrations while working with enthusiastic graduate students and researchers. The day is composed of four 30 minute sessions where girls participate in hands-on workshops on a range of topics in science. The deadline for signing up to present an activity is Friday, December 28th.

11th Annual Graduate Academic Conference

This year, the conference explores how research impacts everyday lives. The keynote and workshops will engage graduate students in rich discussions on how to apply theoretical knowledge to practical problems in a creative way. Abstract Submission Deadline: January 11, 2019. Conference Date: February 16, 2019.

Annual Series of "Thriving at Michigan State University" Workshops

This year, the Academic Advancement Network in collaboration with Academic Human Resources will host their annual series of "Thriving at Michigan State University" workshops to provide faculty and academic specialists with important information and strategies on how to be successful in their careers at our institution. Content will be tailored for each appointment type's specific needs. Workshops will be held in January and February of 2019.

BMB960 Sec 002: Chromatin Dynamics and Gene Expression in Development

This course will examine modern literature, focusing on a wide variety of systems and approaches to look at the integration of chromatin dynamics and gene expression in development and disease.

CMSE 801, Introduction to Computational Modeling

We will explore the tools required to design, build and utilize computational models that are applied to many problems from a wide range of scientific disciplines. The main goal is to learn the skills necessary to apply computational techniques to a dataset of interest. Creating models to describe and understand systems (in the physical, life, or social sciences, or in engineering) is the driving principle of this course.

Tenure-Track Biology Positions at Ball State University

The Department of Biology at Ball State University is inviting applications for two tenure-track faculty positions in (1) Cell/Molecular Biology and (2) Genetics. The successful candidates will (1) teach courses at both graduate and undergraduate levels and maintain a research program that involves undergraduate and master's students and complements existing department research programs.

[Assistant Professor in Biochemistry, University of Nebraska at Omaha](#)

The Department of Chemistry at the University of Nebraska at Omaha invites applications for the position of Assistant Professor in Biochemistry. This is a 9-month, tenure-track position beginning August 19, 2019. The position requires a commitment to excellence in teaching and to the establishment of a research program that involves working with undergraduate students. Review of applications will begin in January 2019.

Recent Publications

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

Frum T, Murphy TM, Ralston A. "HIPPO signaling resolves embryonic cell fate conflicts during establishment of pluripotency in vivo." *Elife*. (2018) Dec 11. doi: [10.7554/eLife.42298](https://doi.org/10.7554/eLife.42298)

MacCready JS, Hakim P, Young EJ, Hu L, Liu J, Osteryoung KW, Vecchiarelli AG, Ducat DC. "Protein gradients on the nucleoid position the carbon-fixing organelles of cyanobacteria." *Elife*. (2018) Dec 6. doi: [10.7554/eLife.39723](https://doi.org/10.7554/eLife.39723)

Johnson SR, Bhat WW, Bibik J, Turmo A, Hamberger B, Genomics Consortium EM, Hamberger B. "A database-driven approach identifies additional diterpene synthase activities in the mint family (Lamiaceae)." *J Biol Chem*. (2018) Nov 29. doi: [10.1074/jbc.RA118.006025](https://doi.org/10.1074/jbc.RA118.006025)