



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

Announcements

The BMB Research Store Closed June 11th for Annual Inventory

During this time, we will accept and place orders to our Open Order Vendors; however, there will be no sales conducted for stock items. Researchers will be contacted if open orders/perishable packages arrive during the time we are closed. The Storeroom will reopen at 8:30AM, Tuesday, 6/12/18. Please contact us (353-0813, bmbstore@msu.edu) if there are any questions.

Cisplatin Celebration & Cancer Research Symposium

The two-day event will include a reception and a cancer research poster presentation on Friday evening, followed by an all-day symposium on Saturday that features a veritable “Who’s Who” of scientists and experts in the cisplatin/carboplatin field. August 3-4.

2018 Undergraduate Research Networking Lunches

Life as a Graduate Student, Tuesday, June 12th 11:30 – 1:00 PM.
Life as a Faculty Member, Tuesday, June 19th 11:30 – 1:00 PM.
Events held on the First Floor of South Kedzie Hall.
Graduate student and faculty participation encouraged.

Graduate and Professional Student Fall Welcome Cookout

The Council of Graduate Students and Graduate Student Life and Wellness host the Cookout as a way to introduce new students to Michigan State University and allow returning students to engage in positive, fun, and enriching outdoor activities to celebrate the beginning of the academic year. This coincides with the Graduate Resource Fair on August 25th.

Grant Proposal Consultation

Grant consultant Tom Hollon will be on campus June 18-22 to meet with investigators to discuss funding opportunities and the grant proposal process. To schedule a meeting, email Tom at rgs.hollonappts@campusad.msu.edu.

Inaugural ComSciCon Effective Science Communication Workshop

The 2018 ComSciCon is for STEM graduate students interested in science communication. The conference will be held in Ann Arbor from August 25 through August 26. Apply by June 15, 2018.

NIH Request for Information: How to Increase STEM Faculty Diversity

Please reply to this request for information by July 20, 2018.

Noteworthy News



BMB graduate student Aiko Turmo is a recipient of the National Science Foundation Graduate Research Fellowship. Aiko is working in BMB Professor Cheryl Kerfeld's lab studying the relationship between carboxysome shell permeability in cyanobacteria and how microcystins, a cyanobacterial toxin, binds to RuBisCO to enhance carbon fixation and the growth of the cyanobacterium. *Read the full story at [MSU Today](#).*

SPARTANS WILL.

2018 Women in Science Conference

This three-day event will be hosted by the Association for Women in Science, Notre Dame Chapter (AWIS-ND) and will be held during October 5-7. The Conference is designed to provide graduate student women in science, technology, engineering, and mathematics a venue for networking and professional development.

Postdoctoral Position in the Shaw Lab, University of South Florida

Les Shaw's laboratory at the University of South Florida has an open post doc position. Dr. Shaw is a leading expert in antibiotic resistance and drug development. For more information, visit the laboratory's web page at <http://www.mrsalab.com/home.html>. To reach Dr. Shaw, send him an email at shaw@usf.edu.

BMB Window Replacement Project

6/6 – 6/12: 5th floor South

6/13 – 6/19: 4th floor South

Contact [Nichole Daly](#) for a more specific 4th and 5th floor replacement schedule.

During the time of the window replacement, no one is allowed in the lab at any time per EHS. Labs need to clear all windowsills, move chairs out of the way, cover all experiments, and close any open chemicals. Lab personnel will be able to return after the windows are installed, however there will be patching and painting to follow window replacement.

Recent Publications

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

Wong AK, **Krishnan A**, Troyanskaya OG. "GIANT 2.0: genome-scale integrated analysis of gene networks in tissues." *Nucleic Acids Res.* (2018) May 25. doi: [10.1093/nar/gky408](https://doi.org/10.1093/nar/gky408)

Jasiński M, **Feig M**, Trylska J. "Improved Force Fields for Peptide Nucleic Acids with Optimized Backbone Torsion Parameters." *J Chem Theory Comput.* (2018) May 23. doi: [10.1021/acs.jctc.8b00291](https://doi.org/10.1021/acs.jctc.8b00291)

Knight R, Vrbanc A, Taylor BC, Aksenov A, Callewaert C, Debelius J, Gonzalez A, Kosciolk T, McCall LI, McDonald D, Melnik AV, Morton JT, Navas J, **Quinn RA**, Sanders JG, Swafford AD, Thompson LR, Tripathi A, Xu ZZ, Zaneveld JR, Zhu Q, Caporaso JG, Dorrestein PC. "Best practices for analysing microbiomes." *Nat Rev Microbiol.* (2018) May 23. doi: [10.1038/s41579-018-0029-9](https://doi.org/10.1038/s41579-018-0029-9)

Buehl CJ, **Kuo MH**. "Critical roles of Shugoshin and histones as tension sensors during mitosis." *Curr Genet.* (2018) May 23. doi: [10.1007/s00294-018-0846-4](https://doi.org/10.1007/s00294-018-0846-4)

Bhalla A, Fasahati P, Particka CA, Assad AE, Stoklosa RJ, Bansal N, Semaan R, Saffron CM, Hodge DB, **Hegg EL**. "Integrated experimental and techno-economic evaluation of two-stage Cu-catalyzed alkaline-oxidative pretreatment of hybrid poplar." *Biotechnol Biofuels.* (2018) May 17. 11:143. doi: [10.1186/s13068-018-1124-x](https://doi.org/10.1186/s13068-018-1124-x)