



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

## Announcements

### [Dissertation Defense: Kristen Gaffney](#)

Tuesday, July 3

*“Dissecting the driving forces of membrane protein folding under native conditions”*

8:00 AM, Room 101 Biochemistry

### [Thesis and Dissertation Help Sessions](#)

The Graduate School will be offering thesis and dissertation walk-in formatting help sessions on July 30 and August 7 in room 220, Chittenden Hall.

### [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.

### [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 25.

### [NIH Request for Information: How to Increase STEM Faculty Diversity](#)

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

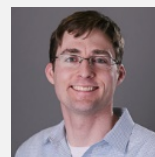
### [2018 Women in Science Conference](#)

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.

### [Preventing Harassment in STEM Academia](#)

This article from *The Chronicle of Higher Education* investigates the scope of sexual harassment in research universities and suggests policies to address the problem.

## Noteworthy News



BMB graduate student Geoffrey Severin is the lead co-author of a recent [PNAS publication](#) that describes a signaling network in the “El Tor” strain of *V. cholera*. The “El Tor” strain is responsible for a cholera pandemic that has lasted more than 50 year, resulting in about 95,000 deaths annually. The work was done in the laboratories of Chris Waters (MMG), Christoph Benning (BMB/PRL) and Wai-Leung Ng (Tufts University). *See the full story in [MSU Today](#).*

**SPARTANS WILL.**

## BMB Window Replacement Project Weekly Schedule

|        |                       |
|--------|-----------------------|
| 7/2/18 | 220, 218, 218B, 214A  |
| 7/3/18 | 214, 212C, 212B, 212A |
| 7/4/18 | Holiday!              |
| 7/5/18 | 208, 202              |
| 7/6/18 | 202, 120              |

**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.**

Contact [Nichole Daly](#) for more details.

## Recent Publications

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

Brooks LRK, Mias GI. "Streptococcus pneumoniae's Virulence and Host Immunity: Aging, Diagnostics, and Prevention." *Frontiers in Immunology* (2018) Jun 22; doi: [10.3389/fimmu.2018.01366](https://doi.org/10.3389/fimmu.2018.01366)

Li M, Henderson KL, Martinez S, Hausinger RP, Emerson JP. "The Irving-Williams series and the 2-His-1-carboxylate facial triad: a thermodynamic study of Mn<sup>2+</sup>, Fe<sup>2+</sup>, and Co<sup>2+</sup> binding to taurine/ $\alpha$ -ketoglutarate dioxygenase (TauD)." *J Biol Inorg Chem.* (2018) Jun 19;. doi: [10.1007/s00775-018-1574-4](https://doi.org/10.1007/s00775-018-1574-4)

Chanoca A, Burkel B, Grotewold E, Eliceiri KW, Otegui MS. "Imaging Vacuolar Anthocyanins with Fluorescence Lifetime Microscopy (FLIM)." *Methods Mol Biol.* (2018) Jun 19;1789:131-141. doi: [10.1007/978-1-4939-7856-4\\_10](https://doi.org/10.1007/978-1-4939-7856-4_10)

Hurlock AK, Wang K, Takeuchi T, Horn PJ, Benning C. "In Vivo Lipid "Tag and Track" Approach Shows Acyl Editing of Plastid Lipids and Chloroplast Import of Phosphatidylglycerol Precursors in Arabidopsis thaliana." *Plant J.* (2018) Jun 19;. doi: [10.1111/tpj.13999](https://doi.org/10.1111/tpj.13999)

Hackenberg C, Hakanpää J, Cai F, Antonyuk S, Eigner C, Meissner S, Laitaoja M, Jänis J, Kerfeld CA, Dittmann E, Lamzin VS. "Structural and functional insights into the unique CBS-CP12 fusion protein family in cyanobacteria." *Proc Natl Acad Sci U S A.* (2018) Jun 18;. doi: [10.1073/pnas.1806668115](https://doi.org/10.1073/pnas.1806668115)