



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

Seminar Calendar

MONDAY, APRIL 16

[PRL Seminar](#)

Elizabeth Waters, San Diego State University

"Boechea, why are you so cool?"

4:10 PM, Room 101 Biochemistry

TUESDAY, APRIL 17

[MMG Seminar](#)

Thomas Silhavy, Princeton University

"Flippin' Out: Maintaining Lipid Asymmetry in the Outer Membrane"

11:00 AM, Room 101 Biochemistry

WEDNESDAY, APRIL 18

[3M Interest Group](#)

Yiqing Yang, Hong Lab

"Defining the folding-degradation relationship of a membrane protein mediated by the membrane-bound AAA+ protease FtsH"

4:00 PM, Room 1455-A BPS (iCER)

THURSDAY, APRIL 19

[BMB Colloquium](#)

Aimin Liu, University of Texas, San Antonio

"Cofactor Biogenesis by Iron-Dependent Enzymes"

11:00 AM, Room 101 Biochemistry

FRIDAY, APRIL 20

[SATE Seminar](#)

Jay Narayan, North Carolina State University

"Q-Carbon Discovery and High-Temperature Superconductivity in B-Doped Q-Carbon"

11:30 AM, Room 1400 BPS

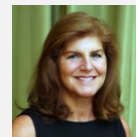
Announcements

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

[MSU BEST Seminar](#)

Dr. Mark Moorman, Senior Director of Global Scientific & Regulatory Affairs for Kellogg, will share his experience from MSU student to corporate leader on Wednesday, April 18th at 9:30 AM in 110 Chittenden Hall.

Noteworthy News



Michigan State University Distinguished Professor [Laurie S. Kaguni](#), internationally recognized for her expertise in the structural and mechanistic biochemistry of mitochondrial DNA replication, served as volume editor for the newly released comprehensive biochemistry encyclopedic reference, "Molecular Life Sciences," published by Springer in a joint project with the American Society for Biochemistry and Molecular Biology. Read the full story at [NatSci News](#).

SPARTANS WILL.

MSU SACNAS Spring Research Symposium

An opportunity to give a 10-minute presentation on STEM research. Prizes will be given to top three presentations. Topics are due April 13th. RSVPs accepted until April 23rd. Event held April 27th from 10 AM to 1 PM.

University Graduate Certification in College Teaching Institute

A two-day course leading to a certification is being offered to doctoral students and postdocs. The course will be held May 10 – 11 at the MSU Union Ballroom. Registration is required.

Volunteers Needed - Fascination of Plants Day

The second edition of Fascination of Plants Day will be held on Saturday, May 19th, 2018. Contact Aparajita Banerjee (banerj12@msu.edu) to volunteer.

Postdoctoral Position in Polly Hsu's Lab

A postdoctoral position is available immediately in Polly Hsu's Lab at Michigan State University to study translational regulation in plant responses to the environments. The candidates should have a background in plant molecular biology. Strong interests in either stress response or translational regulation is preferred.

Postdoctoral Position, Cornell University

The John Helmann lab at Cornell University studies stress responses with a focus on cell envelope stress responses activated by antibiotics (alternative sigma factors, TCS, and their regulons), metal ion homeostasis (esp. Fe, Zn, Mn) and ROS and associated stresses using a mix of genetics, physiology, biochemistry and genomics-based approaches. Interested students should send a statement of interest, a CV, and the names of three references to jdh9@cornell.edu.

Recent Publications

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

Im H, Rao V, Sridhar K, Bentley J, Mishra T, Chen R, Hall J, Graber A, Zhang Y, Li X, Mias GI, Snyder MP, Greenberg PL. "Distinct transcriptomic and exomic abnormalities within myelodysplastic syndrome marrow cells." *Leuk Lymphoma*. (2018) Apr 4;1-11. doi: [10.1080/10428194.2018.1452210](https://doi.org/10.1080/10428194.2018.1452210)

Eschweiler JD, Farrugia MA, Dixit SM, Hausinger RP, Ruotolo BT. "A Structural Model of the Urease Activation Complex Derived from Ion Mobility-Mass Spectrometry and Integrative Modeling." *Structure*. (2018) Apr 3;26(4):599-606.e3. doi: [10.1016/j.str.2018.03.001](https://doi.org/10.1016/j.str.2018.03.001)

Bansal N, Zheng Z, Song LF, Pei J, Merz KM. "The Role of the Active Site Flap in Streptavidin/Biotin Complex Formation." *J Am Chem Soc*. (2018) Apr 2. doi: [10.1021/jacs.8b00743](https://doi.org/10.1021/jacs.8b00743)

Raschka S, Scott AM, Huertas M, Li W, Kuhn LA. "Automated Inference of Chemical Discriminants of Biological Activity." *Methods Mol Biol*. (2018) March 29;1762:307-338. doi: [10.1007/978-1-4939-7756-7_16](https://doi.org/10.1007/978-1-4939-7756-7_16)

Mias, G. "Mathematica for Bioinformatics." *Springer* (2018) March ISBN: [978-3-319-72377-8](https://doi.org/978-3-319-72377-8)