



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

Seminar Calendar

MONDAY, MARCH 12

[Cryo-EM Faculty Candidate Seminar](#)

Mario Haalic, University of Munich

"Gene Regulation by Heterochromatin"

9:00 AM, Room 1425 BPS

[PRL Seminar](#)

Gregg Howe, MSU

"Plant resistance to insect herbivores: At what cost?"

4:10 PM, Room 101 Biochemistry

TUESDAY, MARCH 13

[MMG Seminar](#)

Peggy Cotter, University of North Carolina, Chapel Hill

"Selfish Gene-mediated Interbacterial Cooperation and Competition in Burkholderia"

11:00 AM, Room 101 Biochemistry

WEDNESDAY, MARCH 14

THURSDAY, MARCH 15

[BMB Colloquium](#)

Jianlong Wang, Icahn School of Medicine, Mount Sinai

"Transcriptional and Epigenetic Control of Stem Cell Pluripotency"

11:00 AM, Room 101 Biochemistry

[EEBB Seminar](#)

Meg Crofoot, University of California, Davis

"Cooperation and Conflict in Complex Societies"

3:30 PM, Room 1420 BPS

FRIDAY, MARCH 16

[SATE Seminar](#)

Richard Bonneau, New York University

"Modeling Protein Structure and Biological Networks"

11:30 AM, Room 1400 BPS

Announcements

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

[New Guidelines out in PNAS for Making Conferences more Family Friendly](#)

Professional societies are working to make scientific conferences more family friendly and inclusive. This article describes the conundrum parents face in attending conferences with children and how organizers are working towards solutions such as providing daycare and travel grants for accompanying caregivers.

[STEM Teaching Workshop presented by Jon Stoltzfus](#)

Registration is now open for the STEM Teaching Essentials workshop, "*Developing Models in an Introductory Cell and Molecular Biology Course: Using D2L to Support Group Work, Assessment, and Feedback in a Large Enrollment Course.*" The workshop will be held on March 13th from 11:15 AM to 1:00 PM in room 1400 BPS.

[Plant Science Graduate Student Research Symposium](#)

The 16th annual Plant Science Graduate Student Research Symposium will be held on Friday, March 30, 2018. This is a great opportunity to exchange research ideas, polish presentation techniques, and make and renew friendships as well as receive valuable feedback from respected and expert faculty. The deadline for abstract submission is 5:00 p.m. on Friday, March 23, 2018.

[A Day with Science Moms](#)

Science Moms are a group of women who publicly advocate for making parenting decisions rooted in science. They will be holding events all day on Tuesday, March 20th, in Chittenden Hall.

[J-1 Scholar Poster Fair, Blog, and Scholar of the Semester Events](#)

The Office for International Students and Scholars is hosting events to showcase the work of J-1 scholars, professors, and student interns conducted while at MSU. A poster fair is scheduled for April 20, 2018.

[NIH Grant Consultant on Campus](#)

Tom Hollon will be on campus from March 12 through March 16. To set up an appointment, email Tom at RGS.hollonappts@campusad.msu.edu.

[2018 Graduate School Mentoring Awards Nominations](#)

The award categories are *Outstanding Graduate Program Community Award*, *Outstanding Faculty Mentor Award*, and *Outstanding Doctoral Student Mentor Award*. Deadline for nominations is April 2, 2018.

[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.

[American Cancer Society Funding Opportunities](#)

Funding opportunities for cancer research, training, and career development are available through the American Cancer Society. Grand deadlines are April 1st, and October 15th.

[North American Mass Spectrometry Summer School](#)

August 6-9 2018, Madison, Wisconsin. In this four-day course, students will experience an engaging and inspiring program covering the latest in the application of mass spectrometry to omic analyses in plants and animals. Tutorial lectures range from experimental design, sample preparation, and quantification to the basics of high performance mass analyzers and data analysis. Also planned are several hands-on workshops. Limited space available. Apply now through April 1, 2018.

Inaugural Cryo-EM at VARI Workshop for Graduate Students

A 3-day workshop for graduate students taught by internationally recognized Cryo-EM experts will be offered at the Van Andel Research Institute from August 13 to August 15. Application period is from March 1 - May 1, 2018.

Faculty Team Positions at the Boyce Thompson Institute

BTI invites applications for teams of 2-3 individuals seeking to conduct an interdisciplinary project(s). Appointments will be made at the Assistant Professor level initially for three years, with a second 3-year appointment possible. Applications should include a single proposal for collaborative research project(s). Review of applications will begin April 23, 2018.

Recent Publications

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

Rankin JA, Mauban RC, Fellner M, Desguin B, McCracken J, Hu J, Varganov SA, Hausinger RP. "The Lactate Racemase Nickel-Pincer Cofactor Operates by a Proton-Coupled Hydride Transfer Mechanism." *Biochemistry*. (2018) Feb 28. doi: [10.1021/acs.biochem.8b00100](https://doi.org/10.1021/acs.biochem.8b00100)

Genoni A, Bucinsky L, Claiser N, Contreras-Garcia J, Dittrich B, Dominiak PM, Espinosa E, Gatti C, Giannozzi P, Gillet JM, Jayatilaka D, Macchi P, Madsen AØ, Massa LJ, Matta CF, Merz KM, Nakashima PNH, Ott H, Ryde U, Schwarz K, Sierka M, Grabowsky S. "Quantum Crystallography: Current Developments and Future Perspectives." *Chemistry*. (2018) Feb 28. doi: [10.1002/chem.201705952](https://doi.org/10.1002/chem.201705952)