



Seminar Calendar

MONDAY, SEPTEMBER 23

[MPS Seminar](#)

Hong Qiao, University of Texas-Austin

"Chromatin regulation in ethylene response"

4:10 PM, Room 1200 MPS

TUESDAY, SEPTEMBER 24

[The Exchange](#)

Journal Club – Elizabeth Maher, UT Southwestern

8:00 AM, Room 208 Biochemistry

WEDNESDAY, SEPTEMBER 25

[\(3M\) Interest Group](#)

Jason Schrad, Parent Lab

"Dropping Acid Makes You See Stars"

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

THURSDAY, SEPTEMBER 26

[BMB Colloquium](#)

~~Yuan Chen, Beckman Research Institute~~

~~"Ubiquitin-like Modifications as Targets for Cancer Therapy"~~

~~11:00 AM, Room 101 Biochemistry~~

Rescheduled for 2/13/2020

[EEBB Seminar](#)

John Orrock, University of Wisconsin - Madison

"Plant induced defenses generate benefits by increasing cannibalism among herbivores"

3:30 PM, 1420 BPS

[Physiology Seminar](#)

Haining Zhong, Vollum Institute Neuroscience Graduate Program

"Imaging neuromodulatory PKA signaling in space and time"

4:00 PM, 1425 BPS

FRIDAY, SEPTEMBER 27

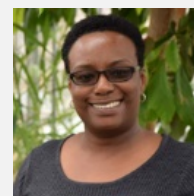
[Science at the Edge](#)

Sheila Teves, University of British Columbia

"Transcriptional Memory and Dynamics in Embryonic Stem Cells"

11:30 AM, Room 1400 BPS

Noteworthy News



BMB Professor Beronda Montgomery wrote an article about mentoring in the August 2019 edition of ASBMB TODAY, a publication of the American Society for Biochemistry and Molecular Biology. The article was the result of a question she posed to her Twitter followers: "What's a thing that you were 'mentored' not to do, but you pursued it & it's worked out well?" You can read the results of her survey [here](#) on page 43.

Beronda will be giving a seminar on mentoring this Thursday from 5:30 PM – 7:00 PM in room 2245, BPS. The title of her talk is, "Discovering and Developing Your Mentorship Philosophy."

SPARTANS WILL.

Announcements

[Optimizing Mentoring Relationships to Promote Diversity and Research Excellence](#)

Graduate School Workshop

Friday, September 27, 2019 - 10:00am to 2:00pm

Chittenden Hall (Rm. 110)

[Molecular Biophysics Symposium in Honor of the Grand Opening of the MSU Cryo-EM Core Facility](#)

Friday October 4th and Saturday October 5th, 2019.

To inaugurate the new Cryo-EM facility at Michigan State, we are hosting a symposium to highlight cutting edge research in molecular biophysics. We will feature invited talks, student posters and a tour of the new cryo-EM facility. Registration is free but required.

[Nomination for the 2019 Outstanding Undergraduate Student Award](#)

A nomination should include a nominating letter from a faculty member, CV (resume), and any supporting documents such as reprints, manuscript in press, supporting letters, etc., deemed pertinent to the Committee's decision process. All nomination packet files should be combined into a *single PDF* and submitted electronically to Mary Villarreal (villar30@msu.edu) by Monday, October 7.

[Undergraduate Awards Application Form](#)

Undergraduate Students are encouraged to apply for the following departmental awards:

- Pamela J Fraker Undergraduate Scholarship
- Professor Richard L Anderson Endowed Undergraduate Research Prize
- Dr. James K. Billman, Jr. Undergraduate Research Award
- BMB Undergraduate Research Fellowship
- NEW: Moore-Billman Scholarship in Biochemistry and Molecular Biology

The deadline to apply is Monday, October 7, 2019.

[Assistant Professor, Wesleyan University](#)

The Department of Molecular Biology and Biochemistry at Wesleyan University seeks a tenure-track assistant professor beginning July 1, 2020. The candidate will develop an independent research program supported by extramural funding that integrates current biochemical, informatics, or biophysical approaches to address fundamental problems in molecular biology. We seek an individual who can contribute to both our undergraduate and graduate course curriculum, including fundamental and advanced biochemistry courses. The new hire will participate in our Ph.D. training program and cross-disciplinary initiatives in the life sciences. Review of applications will begin October 1, 2019.

[Postdoctoral Position on Plant Metabolism, University of Wisconsin-Madison](#)

The Maeda Laboratory is seeking an independent and self-driven postdoctoral researcher, who can lead a new Department of Energy (DOE)-funded project to construct nitrogen metabolic flux maps of Arabidopsis and sorghum. The position is initially for three years with possibility to continue for additional years.

Recent Publications

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

Quinn RA, Comstock W, Zhang T, Morton JT, da Silva R, Tran A, Aksenov A, Nothias LF, Wangpraseurt D, Melnik AV, Ackermann G, Conrad D, Klapper I, Knight R, Dorrestein PC. “Niche partitioning of a pathogenic microbiome driven by chemical gradients.” *Sci Adv.* (2018) Sep 26;4(9):eaau1908. doi: [10.1126/sciadv.aau1908](https://doi.org/10.1126/sciadv.aau1908)

Lechno-Yossef S, Rohnke BA, Belza ACO, Melnicki MR, Montgomery BL, Kerfeld CA. “Cyanobacterial Carboxysomes Contain a Unique Rubisco-Activase-Like protein.” *New Phytol.* (2019) Sep 13. doi: [10.1111/nph.16195](https://doi.org/10.1111/nph.16195)

Fisher N, Bricker TM, Kramer DM. “Regulation of photosynthetic cyclic electron flow pathways by adenylate status in higher plant chloroplasts.” *Biochim Biophys Acta Bioenerg.* (2019) Sep 11;148081. doi: [10.1016/j.bbabi.2019.148081](https://doi.org/10.1016/j.bbabi.2019.148081)

Sutter M, Laughlin TG, Sloan NB, Serwas D, Davies KM, Kerfeld CA. “Structure of a synthetic beta-carboxysome shell.” *Plant Physiol.* (2019) Sep 9. doi: [10.1104/pp.19.00885](https://doi.org/10.1104/pp.19.00885)

Bhalla A, Cai CM, Xu F, Singh SK, Bansal N, Phongpreecha T, Dutta T, Foster CE, Kumar R, Simmons BA, Singh S, Wyman CE, Hegg EL, Hodge DB. “Performance of three delignifying pretreatments on hardwoods: hydrolysis yields, comprehensive mass balances, and lignin properties.” *Biotechnol Biofuels.* (2019) Sep 9;12:213. doi: [10.1186/s13068-019-1546-0](https://doi.org/10.1186/s13068-019-1546-0)