



Seminar Calendar

MONDAY, SEPTEMBER 16

[MPS Seminar](#)

Venkatesan Sundaresan, University of California, Davis

"The zygotic transition in rice and application to self-propagating hybrid crops"

4:10 PM, Room 1200 MPS

TUESDAY, SEPTEMBER 17

[The Exchange](#)

Responsible conduct of research – technology and applications

8:00 AM, Room 208 Biochemistry

THURSDAY, SEPTEMBER 19

[BMB Colloquium](#)

Chris Mancuso, CMSE, MSU

"Network-guided gene classification using machine learning"

11:00 AM, Room 101 Biochemistry

[EEBB Seminar](#)

S. Hollis Woodard, University of California - Riverside

"Conservation physiology of bumble bees: using experimental approaches to address declines"

3:30 PM, 1420 BPS

FRIDAY, SEPTEMBER 20

[Science at the Edge](#)

Mattia Bacca, University of British Columbia

"Micromechanics of Living Systems"

11:30 AM, Room 1400 BPS

Announcements

[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.

[Graduate Research Fellowship Program \(GRFP\) – Workshop Series](#)

Chittenden Hall (Rm. 110 & the Commons)

Wednesday, September 18, 2019 - 6:00pm to 8:30pm

[Inclusive Teaching Advice Guide](#)

This article discusses teaching inclusively - embracing student diversity in all forms — race, ethnicity, gender, disability, socioeconomic background, ideology, even personality traits like introversion — as an asset.

[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.

[Assistant Professor, University of Washington in St. Louis](#)

The Biology Department at Washington University is conducting a search to fill an open rank tenure track faculty position in Molecular, Cellular, & Developmental Biology at the Assistant Professor level. We are particularly interested in candidates who employ innovative approaches to conduct research in biochemical systems, plant science, developmental controls, and/or genome biology, but all exceptionally qualified individuals are invited to apply. Applications will be accepted immediately and application review will begin October 15, 2019.

Recent Publications

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

Boschiero C, Lundquist PK, Roy S, Dai X, Zhao PX, Scheible WR. “Identification and Functional Investigation of Genome-Encoded, Small, Secreted Peptides in Plants.” *Curr Protoc Plant Biol.* (2019) Sep;4(3):e20098. doi: [10.1002/cppb.20098](https://doi.org/10.1002/cppb.20098)

John CW, Hausinger RP, Proshlyakov DA. “Structural Origin of the Large Redox-Linked Reorganization in the 2-Oxoglutarate Dependent Oxygenase, TauD.” *J Am Chem Soc.* (2019) Sep 11. doi: [10.1021/jacs.9b07493](https://doi.org/10.1021/jacs.9b07493)

Kadirjan-Kalbach DK, Turmo A, Wang J, Smith BC, Chen C, Porter KJ, Childs K, DellaPenna D, Osteryoung KW. “Allelic Variation in the Chloroplast Division Gene FtsZ2-2 Leads to Natural Variation in Chloroplast Size.” *Plant Physiol.* (2019) Sep 5. doi: [10.1104/pp.19.00841](https://doi.org/10.1104/pp.19.00841)

John CW, Swain GM, Hausinger RP, Proshlyakov DA. “Strongly Coupled Redox-Linked Conformational Switching at the Active Site of the Non-Heme Iron-Dependent Dioxygenase, TauD.” *J Phys Chem B.* (2019) Aug 21. doi: [10.1021/acs.jpcc.9b05866](https://doi.org/10.1021/acs.jpcc.9b05866)