



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

Seminar Calendar

Finals week, no seminars

Announcements

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

[Genetics Mini-Symposium – May 7, 8:00 AM – 5:30 PM, MPS](#)

The MSU Genetics Program is hosting an annual mini-symposium entitled “Epigenetic Stress Memory”. This symposium addresses stress-response mechanisms in humans, animals and plants. The symposium will be held on Tuesday, May 7th, 8:00am-5:30pm in the Molecular Plant Sciences Building. A poster session will be held from 2:45pm-3:30pm. Program and registration information is available [here](#).

[Fascination of Plants Day](#)

Michigan State University hosts the third annual Fascination of Plants Day @ MSU. This year, plant sciences meet the arts in a collaboration between MSU plant scientists, the Eli and Edythe Broad Art Museum at Michigan State University (MSU Broad), and the East Lansing Art Festival. May 18, 11 AM – 6 PM, Broad Art Lab and Children's Art Activity Area at the East Lansing Art Festival.

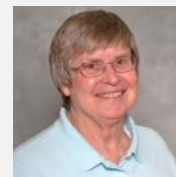
[Advanced Molecular Imaging Course](#)

An advanced molecular imaging course targeted toward senior graduate students, postdoctoral researchers, and young faculty who are interested in advancing their knowledge to become leaders in the field. Individuals who have a fundamental understanding of biology, chemistry, and physics will get the most from this intensive course. Join us on the beaches of Holland, MI from July 24th – 27th 2019 at Hope College! Register [here](#).

[ANS 490/890 Stem Cells in Reproduction, Development, and Regeneration](#)

ANS 490/890 will be offered this fall. Contemporary topics will be covered on stem cell research and applications, focusing on pluripotent stem cells and several types of adult stem cells during mammalian reproduction, development, and tissue regeneration.

Noteworthy News



University Distinguished Professor Emeritus Pam Fraker recently received the College of Science Distinguished Scientist Award for 2019 from Purdue University. Pam is a native of Lafayette Indiana and earned a BS with honors from Purdue University.

Pam is still active in our department and sponsors the Pamela J. Fraker Undergraduate Scholarship. This year's recipients were Sarah Ax and Onyebuchi Amanze.

SPARTANS WILL.

[Evolution and Core Processes in Gene Expression](#)

We are delighted to invite you to the ASBMB Special Symposium on Evolution and Core Processes in Gene expression, to be held here at MSU May 9 - 12, 2019. We have a great group of distinguished speakers, including Mike Eisen from UC Berkeley (developmental gene expression in the embryo), Greg Wray from Duke (evo/devo), Audrey Gasch from UW Madison (gene networks), Chris Rushlow from NYU (pioneer transcription factors), and Phil Benfey from Duke (root gene networks). Early registration rates before March 14th, ASBMB members receive a discount!

[Faculty Positions in Biotechnology Center in Southern Taiwan](#)

Applications are invited for multiple tenure-track research fellow positions or specialists in Biotechnology Center in Southern Taiwan of Agricultural Biotechnology Research Center, Academia Sinica, Taiwan (AS-BCST). The successful candidates are expected to develop a rigorous research program in the thematic research fields of agricultural biotechnology, including but not limited to plant stress, plant nutrients, agromicrobiology, crop systems biology, translational agricultural research, and metabolic engineering.

Recent Publications

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

Brooks LR, Mias GI. "Data-Driven Analysis of Age, Sex, and Tissue Effects on Gene Expression Variability in Alzheimer's Disease" *Front. Neurosci.* (2019) Apr 24;13:392. doi: [10.3389/fnins.2019.00392](https://doi.org/10.3389/fnins.2019.00392)

Fan P, Leong BJ, Last RL. "Tip of the trichome: evolution of acylsugar metabolic diversity in Solanaceae." *Curr Opin Plant Biol.* (2019) Apr 19;49:8-16. [link](#)

Dong W, Wang Y, Takahashi H. "CLE-CLAVATA1 Signaling Pathway Modulates Lateral Root Development under Sulfur Deficiency." *Plants (Basel).* (2019) Apr 18;8:(4). doi: [10.3390/plants8040103](https://doi.org/10.3390/plants8040103)

Cobián Güemes AG, Lim YW, Quinn RA, Conrad DJ, Benler S, Maughan H, Edwards R, Brettin T, Cantú VA, Cuevas D, Hamidi R, Dorrestein P, Rohwer F. "Cystic Fibrosis Rapid Response: Translating Multi-omics Data into Clinically Relevant Information." *MBio.* (2019) Apr 16;10:(2). doi: [10.1128/mBio.00431-19](https://doi.org/10.1128/mBio.00431-19)

Gupta S, Sutter M, Remesh SG, Dominguez-Martin MA, Bao H, Feng XA, Chan LG, Petzold CJ, Kerfeld CA, Ralston CY. "X-ray radiolytic labeling reveals the molecular basis of orange carotenoid protein photoprotection and its interactions with fluorescence recovery protein." *J Biol Chem.* (2019) Apr 12;. doi: [10.1074/jbc.RA119.007592](https://doi.org/10.1074/jbc.RA119.007592)