



Please send submissions to Jeff Mason, masonje6@msu.edu

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Seminar Calendar

WEDNESDAY, MAY 12

Metabolism, Membranes and Metalloenzymology Interest Group

Kelly Kim, MSU

“Targeting Tail-Anchored Proteins to the ER Membrane by the GET Pathway”

4:00 PM Email Teri (compeaut@msu.edu) for the Zoom link

THURSDAY, MAY 13

[BMB Seminar Series](#)

Jabbar Bennett, MSU

“From molecular parasitology to STEM workforce diversity; a view from MSU’s new VP and Chief Diversity Officer”

11:00 AM Email Ashley (clarkas@msu.edu) for the Zoom link

Announcements

Due to an electrical project, the Biochemistry building will be CLOSED at 3pm, May 7th through May 10th, 8am. NO Admittance ALL Weekend. Any questions/concerns contact Nichole Daly (dalyn@msu.edu)

Carson Broeker (committee members Andrechek, Lunt, Arnosti, Xiao and Henry) will be presenting his Preliminary Exam titled “Elucidating the Mechanisms of Metastasis in HER2+ Breast Cancer” Tuesday, May 11 at 2:00 pm. Email Ashley (clarkas@msu.edu) for the Zoom link and password.

The Institute for Integrative Genome Biology at the University of California, Riverside is seeking a Staff Research Associate 2 (Req. ID #23175267) in Analytical Chemistry and Metabolomics to work in the newly established Metabolomics Core Facility. This state-of-the art facility houses four mass spectrometers including quadrupole time-of-flight, triple quadrupole, and orbitrap instruments. Learn more about the position and apply [here](#).

On April 30th, BMB held its annual Responsible Conduct of Research training. This year’s topic was “Mentoring and RCR” and the training was held over Zoom. The workshop had 220 participants. This year’s slides, case studies and video of the workshop, in addition to many other RCR resources (including previous year’s workshops) can be viewed [here](#).

Recent Publications

Noteworthy News



Congratulations BMB graduating undergraduate seniors. This spring, BMB celebrates its 84 graduating seniors (2021 spring and summer). Seventy are from the College of Natural Science, fourteen from Lyman Briggs College. Thirty-two are on the Biotechnology track.

“Congratulations,” said Susanne Hoffmann-Benning, undergraduate program director. “We are very proud of you. All of us in the undergraduate program wish you all the best for your future”.

A complete list of graduates, including several spotlights, can be seen [here](#).

SPARTANS WILL.

Santos-Merino M, Singh AK, Ducat DC. "Sink engineering in photosynthetic microbes." *Cyanobacteria Biotechnology*. April 2021.

Felczak MM, Bowers RM, Woyke T, TerAvest MA. "Zymomonas diversity and potential for biofuel production." *Biotechnol Biofuels*. May 2021.

Cruzeiro V, Manathunga M, Merz KM, Götz AW. "Open-Source Multi-GPU-Accelerated QM/MM Simulations with AMBER and QUICK." *Chem Inf Model*. April 2021.

Feroz H, [...] Gaudana S, [...] Kerfeld CA, [...] Kumar M. "Liposome-based measurement of light-driven chloride transport kinetics of halorhodopsin." *Biochim Biophys Acta Biomembr*. April 2021.

Lee YS, Herrera-Tequia A, Silwal J, Geiger JH, Grotewold E. "A hydrophobic residue stabilizes dimers of regulatory ACT-like domains in plant basic helix-loop-helix transcription factors." *J Biol Chem*. April 2021.

Strubbe-Rivera JO, Chen J, West BA, Parent KN, Wei G-W, Bazil JN. "Modeling the Effects of Calcium Overload on Mitochondrial Ultrastructural Remodeling." *Appl Sci*. March 2021.

Kong Q, Singh SK, Mantyla JJ, Pattanaik S, Guo L, Yuan L, Benning C, Ma W. "TEOSINTE BRANCHED1/CYCLOIDEA/PROLIFERATING CELL FACTOR4 Interacts with WRINKLED1 to Mediate Seed Oil Biosynthesis." *Plant Physiol*. October 2020.

Little M, [...] Quinn RA, [...] Roach TNF. "Three-Dimensional Molecular Cartography of the Caribbean Reef-Building Coral *Orbicella faveolata*." *Frontiers in Marine Science*. Volume 8. April 2021.