



DEPARTMENT OF  
**Biochemistry &  
Molecular Biology**

Please send submissions to Jeff Mason, [masonje6@msu.edu](mailto:masonje6@msu.edu)

## Seminar Calendar

**THURSDAY, JULY 23**

**BMB Summer Seminar**

Arjun Krishnan, BMB

"An online tool and community for communicating biology and biomedical science in plain-language"

11:00 AM

## Announcements

### **New Employee:**

Anastasiya Lavell started on June 1<sup>st</sup>, 2020 as a research associate. Anastasiya received her PhD here in the department of BMB in Christoph Benning's lab researching membrane proteins involved in chloroplast membrane synthesis. Anastasiya is now moving into the world of structural biology and using Cryo-EM to resolve structures of viral particles and individual proteins and will be advised by Kristin Parent. Please join us in welcoming Anastasiya.

### **COVID-19 updates:**

Because the situation changes rapidly, sometimes on an hourly basis, we highly encourage all BMB faculty / staff / students to view MSU's coronavirus [website](#) on a regular basis for the latest University wide updates and information. BMB specific information is available [here](#). We continue to be in Phase 1, thus exercise the minimal physical distancing recommended (6 ft) and always wear a mask.

### **News from BMB department office administration:**

During this COVID-19 Phase 1, most of the department staff continues to work from home, but everybody is available by e-mail or phone.

Currently BMB has four Research Associate positions posted.

Postings found / applications submitted at: <https://careers.msu.edu/cw/en-us/listing/>

Research Associate - Kelly Kim lab - posting 649950

Research Associate - TEAM-UP - Montgomery - posting 654988

Research Associate - TEAM-UP - TerAvest - posting 654328

Research Associate - Robert Last lab - posting 658646

## Noteworthy News



This is the first publication of the BMB newsletter after an extended break.

If you have any items you think would be interesting to the BMB community, please send them to Jeff Mason ([masonje6@msu.edu](mailto:masonje6@msu.edu)).

### **\*\*Faculty / postdocs / students:**

In addition to any other interesting news from your labs, as soon as you know of a publication or grant from your group, please send this along to Jeff Mason ([masonje6@msu.edu](mailto:masonje6@msu.edu)).

**SPARTANS WILL.**

New course listing: Fall-2020 course entitled “Dose-Response Relationships in Toxicology & Risk Assessment: Concepts, Complexities and Controversies,” PHM980 - section 005, 1-credit, Thursdays, 8:00 - 8:50 a.m., A148 Plant and Soil Science Bldg. Instructors: Jay Goodman and Robert Roth.

## New Grants

Michaela TerAvest and her iGem team won a Revive and Restore grant to engineer a probiotic to help bees detoxify common pesticides. Stay tuned to BMB’s web site for more details and a full story on this grant.

## Recent Publications

Kathleen M Scott, Tara L Harmer, Bradford J Gemmell, Andrew M Kramer, Markus Sutter, Cheryl A Kerfeld, Kourtney S Barber, Saaurav Bari, Joshua W Boling, Cassandra P Campbell. Ubiquity and functional uniformity in CO<sub>2</sub> concentrating mechanisms in multiple phyla of Bacteria is suggested by a diversity and prevalence of genes encoding candidate dissolved inorganic carbon transporters. *FEMS Microbiology Letters*, fnaa106, <https://doi.org/10.1093/femsle/fnaa106>.

Thomas D. Sharkey. Emerging research in plant photosynthesis. June 23 2020. *Emerg Top Life Sci*. <https://doi.org/10.1042/ETLS20200035>

Lupette J, Benning C. Human health benefits of very-long-chain polyunsaturated fatty acids from microalgae [published online ahead of print, 2020 May 7]. *Biochimie*. 2020;S0300-9084(20)30092-4. doi:10.1016/j.biochi.2020.04.022

Angelica Mazzolari, Ariane Nunes-Alves, Habibah A. Wahab, Rommie E. Amaro, Zoe Cournia, and Kenneth M. Merz. Impact of the Journal of Chemical Information and Modeling Special Issue on Women in Computational Chemistry. July 5<sup>th</sup>, 2020. *Journal of Chemical Information and Modeling*. DOI: 10.1021/acs.jcim.0c00636