



## Seminar Calendar

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### MONDAY, MARCH 22

#### [Molecular Plant Science Seminars](#)

Alistair Rogers, Brookhaven National Laboratory

“Improving representation of photosynthesis in Earth System Models”

4:00 PM

[Zoom link](#) (Passcode: 941910)

### TUESDAY, MARCH 23

**The Exchange** – (Science discussion for BMB graduate students)

“Journal Club on Dr. Joff Silberg, Rice University”

8:00 AM

Email David ([arnosti@msu.edu](mailto:arnosti@msu.edu)) for the Zoom link and password

#### [Microbiology & Molecular Genetics Seminars](#)

Laura Villanueva, Royal Netherlands Institute for Sea Research

“Membrane lipids of Archaea: From ecology to evolution”

3:10 PM

[Zoom link](#)

Email Ashley ([shadeash@msu.edu](mailto:shadeash@msu.edu)) or Gemma ([reguera@msu.edu](mailto:reguera@msu.edu)) for the password

### THURSDAY, MARCH 25

#### [BMB Seminar Series](#)

Joff Silberg, Rice University

“Using synthetic biology to study and control electron transfer in cells”

11:00 AM

Email Ashley ([clarkas@msu.edu](mailto:clarkas@msu.edu)) for the Zoom link

#### [EEB Seminar Series](#)

Karen Sears, University of California

“Development and evolution of bats”

3:30 PM

Email Barbara ([ceb@msu.edu](mailto:ceb@msu.edu)) for the Zoom link

## Announcements

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MSU will have modified graduation ceremonies this year. The pandemic has caused tremendous disruption in higher education. One occasion most severely impacted has been in-person commencement ceremonies; an event that marks milestone achievement for graduates and a time of celebration for students, their families and loved ones. Visit [here](#) for more information about spring graduation.

“Exploring Faculty Careers: Using Data in Your Career Planning” Monday, March 22 - 11am to 12pm. What does the career landscape look like for academic research careers? Data collected by Academic Analytics helps to answer questions about the academic research system. This information can inform the ways graduate students, post docs, and faculty consider their career paths. Register [here](#).

The Undergraduate Research Office (URO) is seeking applications for the [2021-22 Undergraduate Research \(UR\) Ambassador Program](#). UR Ambassadors are current undergraduate students engaged in research or creative activity in different fields of study across campus. The deadline to apply is April 1. Contact the URO ([ugrsrch@msu.edu](mailto:ugrsrch@msu.edu)) with questions.

The BMB DEI committee, would like to invite you to an upcoming ‘Women and Minority in Sciences’ series talk on April 7 at 4:10pm. The speaker is Lady Idos, Chief Diversity, Equity, and Inclusion Officer from UC Berkeley. Email Bjoern ([hamberge@msu.edu](mailto:hamberge@msu.edu)) for more information.

NIH has updated its application biosketch form for anyone planning to submit an NIH application after May 25, 2021. Click [here](#) for more information.

Click [here](#) to learn more about updates on NIH Center for Scientific Review’s commitment to DEI.

The lab of Prof. Alain Goossens, also called the Specialized Metabolism Group ([Specialized Metabolism Group](#)) VIB-UGent Center for Plant Systems Biology, Ghent University is hiring a junior postdoc. They're looking for somebody skilled in plant synthetic biology and fascinated by plant metabolites. The online application link can be found [here](#).

## Recent Publications

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Diepenbrock CH, Ilut DC, Magallanes-Lundback M, Kandianis CB, Lipka AE, Bradbury PJ, Holland JB, Hamilton JP, Wooldridge E, Vaillancourt B, Góngora-Castillo E, Wallace JG, Cepela J, Mateos-Hernandez M, Owens BF, Tiede T, Buckler ES, Rocheford T, Buell CR, Gore MA, DellaPenna D. “Eleven biosynthetic genes explain the majority of natural variation in carotenoid levels in maize grain.” *Plant Cell*. Volume 32. December 2020.

Deng X, Xin Y, Miller CL, Hamelberg D, Kirberger M, Moremen KW, Hu J, Yang JJ. “Structural Mechanism of Cooperative Regulation of Calcium-Sensing Receptor-Mediated Cellular Signaling.” *Curr Opin Physiol*. October 2020.

Zheng M, Domanskyi S, Piermarocchi C, Mias G. “Visibility graph based temporal community detection with applications in biological time series.” *Scientific Reports*. March 2021.

Jurglewicz A, Dornbos P, Warren M, Nault R, Arkatkar A, Lin H, Threadgill DW, Zacharewski T, LaPres JJ. “Genetics-Based Approach to Identify Novel Genes Regulated by the Aryl Hydrocarbon Receptor (AHR) in Mice Liver.” *Toxicol Sci*. Volume 180. March 2021.

Santos-Merino M, Torrado A, Davis GA, Röttig A, Bibby TS, Kramer DM, Ducat DD. “Improved photosynthetic capacity and photosystem I oxidation via heterologous metabolism engineering in cyanobacteria.” *PNAS*. Volume 118. March 2021.