



Please send submissions to Steve Lundback, [lundback@msu.edu](mailto:lundback@msu.edu), 212 Biochemistry (Mailbox on 2<sup>nd</sup> Floor)

## Seminar Calendar

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### TUESDAY, SEPTEMBER 11

#### [The Exchange](#)

Journal Club for Tzumin Lee  
8:00 AM, Room 208

#### [MMG Seminar](#)

Dr. Daniel Wozniak, Ohio State University  
*"Biofilms, immunity, and adaptation during chronic infection"*  
4:10 PM, Room 1415 BPS

### THURSDAY, SEPTEMBER 13

#### [BMB Colloquium](#)

Tzumin Lee, Janelia Research Campus of HHMI  
*"Reverse Engineering the Brain"*  
11:00 AM, Room 101 Biochemistry

#### [EEBB](#)

Nathan Sanders, University of Vermont  
*"Experimental macroecology: A field in need of experiments and ecology"*  
10:45 AM, Stack 237, Kellogg Biological Station

### FRIDAY, SEPTEMBER 14

#### [SATE Seminar](#)

Jef Boeke, New York University  
*"Designing a Eukaryotic Genome from the Bottom Up"*  
11:30 AM, Room 1400 BPS

## Announcements

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#### [Workshop on Systems Biology](#)

Featuring *in vivo* imaging and single cell mass spectrometry. Thursday, October 18 in the IQ building.

#### [Professional Grant Writing Workshop](#)

September 12-13, 8:30 AM – 4:30 PM, Room 61 Kellogg Conference Center. Registration required.

#### [Grant Writing Workshops from VPRGS](#)

NSF Proposal Development Webinar: 1:00 PM on Sept. 24, Oct. 15, Nov. 5, and Dec. 3  
Advanced NIH Grant Writing: Sept. 20 – Dec. 7

#### [Avoiding Gender Bias in Reference Writing](#)

Tips from the University of Arizona Commission on the Status of Women

### [DOE Office of Science Graduate Student Research \(SCGSR\) program](#)

The U.S. Department of Energy's Office of Science is now accepting applications for the Office of Science Graduate Student Research (SCGSR) program (2018 Solicitation 2). Applications are due 5:00pm Eastern Time on November 15, 2018.

### [Aitch Foundation Graduate Assistantship in Cancer Research](#)

One fellowship position providing 12 months of support is still open for graduate students who are conducting research in early cancer detection and diagnostics, genetic and cellular changes contributing to tumor development, or the identification of new cancer targets and therapeutic agents.

### [2018 Women in Science Conference](#)

This three-day event will be hosted by the Association for Women in Science, Notre Dame Chapter (AWIS-ND) and will be held during October 5-7. The Conference is designed to provide graduate student women in science, technology, engineering, and mathematics a venue for networking and professional development.

### [Assistant/Associate/Full Professor of Biology, Furman University](#)

Furman University invites applications for two open-rank tenure-track positions in biology to begin in August 2019. Candidates must have their Ph.D. by June 2019 and show evidence of teaching excellence and commitment to establishing a productive research program that leads to publication with undergraduates.

### [Open Positions at the Boyce Thompson Institute](#)

BTI is seeking 2 – 3 innovative scientists who together will launch an interdisciplinary program in an area that is new to the institute and is open to any area of plant science, or any field with the potential to contribute to BTI's mission.

### [Synthetic and Physical Biology Faculty Positions, Rice University](#)

Ideal candidates will develop research programs that utilize experimental and/or theoretical approaches for fundamental and applied studies that are interdisciplinary. Application review will commence no later than October 1, 2018 and continue until the positions are filled.

## Recent Publications

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

Zheng Z, Pei J, Bansal N, Liu H, Song LF, **Merz KM**. "Generation of Pairwise Potentials Using Multi-Dimensional Data Mining." *J Chem Theory Comput.* (2018) Sep 5. doi: [10.1021/acs.jctc.8b00516](https://doi.org/10.1021/acs.jctc.8b00516)

Li M, Martinez S, **Hausinger RP**, Emerson JP. "Thermodynamics of iron(II) and substrate binding to the ethylene-forming enzyme." *Biochemistry.* (2018) Sep 5. doi: [10.1021/acs.biochem.8b00730](https://doi.org/10.1021/acs.biochem.8b00730)

Righini S, Rodriguez EJ, Berosich C, **Grotewold E**, Casati P, Falcone Ferreyra ML. "Apigenin produced by maize flavone synthase I and II protects plants against UV-B-induced damage." *Plant Cell Environ.* (2018) Aug 30. doi: [10.1111/pce.13428](https://doi.org/10.1111/pce.13428)

Fellner M, Rankin JA, Desguin B, Hu J, **Hausinger RP**. "Analysis of the Active Site Cysteine Residue of the Sacrificial Sulfur Insertase LarE from *Lactobacillus plantarum*." *Biochemistry*. (2018) Aug 29. doi: [10.1021/acs.biochem.8b00601](https://doi.org/10.1021/acs.biochem.8b00601)

Song LF, Bansal N, Zheng Z, **Merz KM Jr**. "Detailed potential of mean force studies on host-guest systems from the SAMPL6 challenge." *J Comput Aided Mol Des*. (2018) Aug 24. doi: [10.1007/s10822-018-0153-7](https://doi.org/10.1007/s10822-018-0153-7)

Dixon T, Lotz SD, **Dickson A**. "Predicting ligand binding affinity using on- and off-rates for the SAMPL6 SAMPLing challenge." *J Comput Aided Mol Des*. (2018) Aug 23. doi: [10.1007/s10822-018-0149-3](https://doi.org/10.1007/s10822-018-0149-3)