



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

## Seminar Calendar

### MONDAY, OCTOBER 29

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

Sally Assmann, Pennsylvania State University

*"RNA structure and stress response in plants: from single transcripts to ecological implications"*

4:00 PM, Room 1200 MPS

### TUESDAY, OCTOBER 30

#### [The Exchange](#)

Journal Club for Zhihong Wang

8:00 AM, Room 208

#### [MMG Seminar](#)

John Gunn, Ohio State University

*"Typhoid Fever: Carriers, Gallstones and Biofilms"*

4:10 PM, Room 1415 BPS

### WEDNESDAY, OCTOBER 31

#### [The \(3M\) Interest Group](#)

Kody Duhl, TerAvest Lab

4:00 PM, Room 1455-A BPS (iCER)

#### [Pharm/Tox Seminar](#)

Louise McCullough, MSU

*"Translational Traps: Sex Differences in Stroke"*

12 PM, Room B448 Life Science Building

### THURSDAY, NOVEMBER 1

#### [BMB Colloquium](#)

Jian Hu, BMB

*"Tenure Talk"*

11:00 AM, Room 101 Biochemistry

#### [EEBB](#)

Jonathan Pruitt, McMaster University

*"Keystone Individuals in Animal Societies: Some Pros and Cons"*

3:30 PM, Room 1420 BPS

### FRIDAY, NOVEMBER 2

#### [SATE Seminar](#)

Yuping Huang, Stevens Institute of Technology

*"Wireless Quantum Communication"*

11:30 AM, Room 1400 BPS

## Noteworthy News



Congratulations to Kristin Parent who was formally announced as the J.K. Billman Jr., M.D. Endowed Professor on October 22! Kristin adds this to her 2018 NSF Early Career Award, her 2017 ASM Young Investigator Award, and her 2015 AAAS Marion Milligan Mason Award for Women in Chemical Sciences. Kristin studies virus structure using cryogenic electron microscopy (cryo-EM). In addition to engineering the [first cryo-EM instrument at MSU](#), Kristin is bringing a new Talos Arctica cryo-EM instrument to campus. You can read more about Kristin's latest award [here](#).

**SPARTANS WILL.**

# Announcements

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## [Graduate Student Career Forum](#)

We have a fantastic panel of scientists who have found fulfilling careers both inside and outside academia. Come hear about how they navigated life inside and outside the PI route, and how you can too. Thursday, November 8th, 2018, 11AM-12:30PM Room 1400 BPS.

## [BMB 961 Metals in Biology, Spring 2019](#)

Eric Hegg and Bob Hausinger are offering a 2 credit course, "Metals in Biology", this spring.

## [Staff/Faculty LGBTQA Brown Bag Lunch](#)

This is a time to ask questions and get guidance on how to make your classroom, office, etc. more inclusive to LGBTQA students and your LGBTQA colleagues. Tuesday, November 13, Noon at room A302 Wells Hall.

## [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. Applications due 5:00 pm on November 15, 2018.

## [Tenure-track Biochemistry Faculty Position, Wayne State](#)

The Department of Biochemistry, Microbiology & Immunology in the Wayne State University School of Medicine is building a sustainable, high-impact research unit that will employ modern methods to address critical problems in underserved populations in Detroit, across our country, and worldwide. We seek outstanding candidates who are using biochemical approaches to study problems associated with human disease.

## [Assistant, Associate or Full Professor, Stanford University](#)

Scientists will be appointed to the Children's Heart Center and as tenure track Assistant, Associate or Full Professors in the Basic Science or Engineering Departments of Stanford University. The candidates are expected to establish high quality, independent research programs in the new Biomedical Innovations Building and to have a strong record of, or potential for, exceptional teaching. Review will begin December 15, 2018.

## [UT - El Paso, Chair, Department of Chemistry and Biochemistry](#)

The University of Texas at El Paso (UTEP) is seeking an innovative leader to serve as Chair in the Department of Chemistry and Biochemistry. The successful candidate is expected to be an active leader and researcher who has a strong vision for developing and strengthening educational and research initiatives. Applicants must have a distinguished record of scientific achievement, demonstrated leadership skills, and a commitment to the education and mentorship of both students and faculty. Review of applications will begin November 1, 2018.

## [Assitant/Associate Professor of Microbial Metabolism, University of North Texas](#)

Assistant/Associate Professor of Microbial Metabolism, University of North Texas

Applications for an assistant or associate professor position in the BioDiscovery Institute at UNT are being accepted.

## Recent Publications

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

### [MSUToday story](#)

Guo Q, Yoshida Y, Major IT, Wang K, Sugimoto K, Kapali G, Havko NE, Benning C, Howe GA. “JAZ repressors of metabolic defense promote growth and reproductive fitness in *Arabidopsis*.” *Proc Natl Acad Sci U S A*. (2018) Oct 22. doi: [10.1073/pnas.1811828115](https://doi.org/10.1073/pnas.1811828115)

Dornbos P, Warren M, Crawford RB, Kaminski N, Threadgill DW, LaPres JJ. “Characterizing Serpinb2 as a modulator of TCDD-induced suppression of the B cell.” *Chem Res Toxicol*. (2018) Oct 19. doi: [10.1021/acs.chemrestox.8b00225](https://doi.org/10.1021/acs.chemrestox.8b00225)

Kim Y, Kowiatek B, Opron K, Burton ZF. “Type-II tRNAs and Evolution of Translation Systems and the Genetic Code” *Int. J. Mol. Sci*. (2018) Oct 18;19(10):3275. doi: [10.3390/ijms19103275](https://doi.org/10.3390/ijms19103275)

Ogrodzinski MP, Teoh ST, Yu L, Broadwater D, Ensink E, Lunt SY. “Measuring the Nutrient Metabolism of Adherent Cells in Culture.” *Methods Mol Biol*. (2018) Oct 13;1862:37-52. doi: [10.1007/978-1-4939-8769-6\\_3](https://doi.org/10.1007/978-1-4939-8769-6_3)

Dickson A. “Mapping the Ligand Binding Landscape.” *Biophys J*. (2018) Sep 29. doi: [10.1016/j.bpj.2018.09.021](https://doi.org/10.1016/j.bpj.2018.09.021)