



Please send submissions to Steve Lundback, lundback@msu.edu, 212 Biochemistry (Mailbox on 2nd Floor)

Seminar Calendar

MONDAY, OCTOBER 15

[Molecular Plant Science Seminar](#)

Sharon Kessler, Purdue University

"Female control of reproductive success in Arabidopsis thaliana"

4:00 PM, Room 1200 MPS

TUESDAY, OCTOBER 16

[The Exchange](#)

John Tran and Jennifer Gerena: Society for Advancement of Chicanos/Hispanics and Native Americans in Science

8:00 AM, Room 208

[MMG Seminar](#)

Gregory Melikian, Emory University

"Restriction of viral entry and fusion by host transmembrane proteins"

4:10 PM, Room 1415 BPS

WEDNESDAY, OCTOBER 17

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

Zach Burton, BMB

"Evolution of cloverleaf tRNA and sectoring of the genetic code"

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

THURSDAY, OCTOBER 18

[BMB Colloquium](#)

Dorothea Tholl, Virginia Tech

"Tepenoid Biosynthesis and Function"

11:00 AM, Room 101 Biochemistry

[EEBB](#)

Sarah Converse, University of Washington

"Reintroduction biology: directions in science and conservation management"

3:30 PM, Room 1420 BPS

Announcements

[Workshop on Systems Biology](#)

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

[Diversity in STEM Series](#)

10/17/18: "The reciprocal relationship between STEM research and community work: how the respective experiences and identities of an academic scientist and a nonprofit executive director inform each other's work"

10/23/18: "Researching the neurobiology of trauma: does personal experience, politics, and identity inform or bias the science?"

[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.

[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.

[Assistant Professor - Plant Physiologist, LSU](#)

The Department of Biological Sciences at Louisiana State University invites applications for a tenure-track Plant Physiologist at the level of Assistant Professor. The position is open to all areas of plant physiology including cell and molecular biology, biochemistry, biophysics, genetics, environmental biology, and algal physiology. Closing date: November 30, 2018

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

The University of North Texas invites applications for an assistant or associate position in the BioDiscovery Institute. For best consideration, apply by October 15, 2018.

[Assistant Professor, Department of Biochemistry at Stanford](#)

We seek individuals with an extraordinary record of scientific accomplishment and creativity working in any area of biochemistry, biophysics or molecular biology research, broadly defined. Applications should be received by December 1, 2018.

Recent Publications

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

Quinn RA, Comstock W, Zhang T, Morton JT, da Silva R, Tran A, Aksenov A, Nothias LF, Wangpraseurt D, Melnik AV, Ackermann G, Conrad D, Klapper I, Knight R, Dorrestein PC. “Niche partitioning of a pathogenic microbiome driven by chemical gradients.” *Sci Adv.* (2018) Sep;4(9):eaau1908. doi: [10.1126/sciadv.aau1908](https://doi.org/10.1126/sciadv.aau1908)

Pande K, Donatelli JJ, Malmerberg E, Foucar L, Poon BK, Sutter M, Botha S, Basu S, Bruce Doak R, Dörner K, Epp SW, Englert L, Fromme R, Hartmann E, Hartmann R, Hauser G, Hattne J, Hosseinizadeh A, Kassemeyer S, Lomb L, Montero SFC, Menzel A, Rolles D, Rudenko A, Seibert MM, Sierra RG, Schwander P, Ourmazd A, Fromme P, Sauter NK, Bogan M, Bozek J, Bostedt C, Schlichting I, **Kerfeld CA**, Zwart PH. “Free-electron laser data for multiple-particle fluctuation scattering analysis.” *Sci Data.* (2018) Oct 2;5:180201. doi: [10.1038/sdata.2018.201](https://doi.org/10.1038/sdata.2018.201)

Fellner M, **Hausinger RP**, **Hu J**. “A structural perspective on the PP-loop ATP pyrophosphatase family.” *Crit Rev Biochem Mol Biol.* (2018) Oct 3;1-16. doi: [10.1080/10409238.2018.1516728](https://doi.org/10.1080/10409238.2018.1516728)