



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

Announcements

BMB Colloquium Series

Thursday, August 30

LiangLiang Sun, MSU Dept. of Chemistry

"Top-down proteomics using capillary zone electrophoresis-tandem mass spectrometry"

11:00 AM, Room 101 Biochemistry

Mid-Term Election Deadlines for Voter Registration and Absentee Ballot

- Deadline to register to vote in Michigan: October 9, 2018. Information here: <https://www.dmv.org/mi-michigan/voter-registration.php>
- Request for absentee ballot: due by 2 pm on Saturday November 3, 2018. Information here: https://www.michigan.gov/sos/0,4670,7-127-1633_8716_8728-21037--,00.html
- Sample ballot, polling places and more: https://www.michigan.gov/sos/0,4670,7-127-1633_8716_11583---,00.html

[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.

[Professional Grant Writing Workshop](#)

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

[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.

Noteworthy News



Welcome Peter Lundquist and Robert Quinn! Peter and Robert are our newest faculty members.

Peter comes to us from the Noble Research Institute and is a member of the Plant Resilience Institute. His office is in the Plant and Soil Science Building, room A494E.

Robert was previously at the Skaggs School of Pharmacy and Pharmaceutical Sciences, University of California, San Diego. His office is in the Biochemistry Building, room 116B.

SPARTANS WILL.

Research Ride Shuttle

A shuttle service is available to faculty, staff, and students engaged in research activities. Access requires registration, and rides need to be reserved at least 30 minutes in advance. The service is available Monday – Friday from 7:30 AM – 4:00 PM.

Recent Publications

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

Nguyen DD, Cang Z, Wu K, Wang M, Cao Y, Wei GW. “Mathematical deep learning for pose and binding affinity prediction and ranking in D3R Grand Challenges.” *J Comput Aided Mol Des.* (2018) Aug 16. doi: [10.1007/s10822-018-0146-6](https://doi.org/10.1007/s10822-018-0146-6)

Galtier d'Auriac I, Quinn RA, Maughan H, Nothias LF, Little M, Kaponi CA, Cobian A, Reyes BT, Green K, Quistad SD, Leray M, Smith JE, Dorrestein PC, Rohwer F, Deheyn DD, Hartmann AC. “Before platelets: the production of platelet-activating factor during growth and stress in a basal marine organism.” *Proc Biol Sci.* (2018) Aug 15;285:(1884). doi: [10.1098/rspb.2018.1307](https://doi.org/10.1098/rspb.2018.1307)

White NA, Sumita M, Marquez VE, Hoogstraten CG. “Coupling Between Conformational Dynamics and Catalytic Function at the Active Site of the Lead-Dependent Ribozyme.” *RNA.* (2018) Aug 15. doi: [10.1261/rna.067579.118](https://doi.org/10.1261/rna.067579.118)

Shen X, Kou Q, Guo R, Yang Z, Chen D, Liu X, Hong H, Sun L. “Native Proteomics in Discovery Mode Using Size-Exclusion Chromatography-Capillary Zone Electrophoresis-Tandem Mass Spectrometry.” *Anal Chem.* (2018) Aug 13. doi: [10.1021/acs.analchem.8b02725](https://doi.org/10.1021/acs.analchem.8b02725)

Zhang Q, van Wijk R, Zarza X, Shahbaz M, van Hooren M, Guardia A, Scuffi D, García-Mata C, Van den Ende W, Hoffmann-Benning S, Haring MA, Laxalt AM, Munnik T. “Knock-Down of Arabidopsis PLC5 Reduces Primary Root Growth and Secondary Root Formation While Overexpression Improves Drought Tolerance and Causes Stunted Root Hair Growth.” *Plant Cell Physiol.* (2018) Aug 9;. doi: [10.1093/pcp/pcy120](https://doi.org/10.1093/pcp/pcy120)