



Please send submissions to Jeff Mason, masonje6@msu.edu

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Seminar Calendar

Monday, April 25

[Molecular Plant Science Seminars](#)

2022 Anton Lang Memorial Awards and Seminar

Govindjee, University of Illinois

"A Journey for Photosynthesis in Urbana with a focus on Robert Emerson"

4:00 PM

BCH 101 and [Zoom link](#) (Passcode: 862930)

Tuesday, April 26

The Exchange – (Science discussion for BMB graduate students)

"Journal Club: Natalie Strynadka, U. British Columbia - transmembrane proteins and antibiotic resistance"

8:00 AM

Email David (arnosti@msu.edu) for the Zoom link and password

Wednesday, April 27

Metabolism, Membranes and Metalloenzymology Interest Group

Shaylynn Miller (TerAvest lab)

"Inward electron transfer in Shewanella"

4:00 PM

Email Teri (compeaut@msu.edu) for the Zoom link

Thursday, April 28

[BMB Seminar Series](#)

Natalie Strynadka, University of British Columbia

"Structure guided analysis of bacterial secretion systems essential to pathogenicity"

11:00 AM

[Zoom link](#) (Passcode: 698925)

Announcements

Save the date: October 13th for the MSU/BMB/Spectrum Health Cystic Fibrosis Research and Art Event "A Celebration of Hope". Details will follow in a future newsletter.

The MSU Department of Police and Public Safety will be conducting a fire alarm activation drill, Wednesday, May 11th, starting between 7:30-8:00am for the Biochemistry building. The test is to "demonstrate the alarm system's capability and the evacuation process in an emergency." Evacuation of

Noteworthy News



Congratulations to the following BMB undergraduates who were first place awardees at the 2022 MSU University Undergraduate Research & Arts Forum (UURAF) in the Biochemistry & Molecular Biology section (Poster).

Presenter: **Jessica Egleston**

Mentor: Josh Vermaas

Title: "Structural Comparison between Small Multidrug Resistance (SMR) Transporter Family Members through Molecular Dynamics Simulations"

Presenter: **Jarrod Griffus**

Mentors: Robert Last, Jaynee Hart

Title: "Optimizing the Protein Solubility and Yield of CfACT1-6 and CfACT1-8"

Learn more [here](#).

SPARTANS WILL.

personnel and guests is necessary during this test. You should postpone any research or testing going on that day until the test is over. Questions should be directed to Nichole (dalyn@msu.edu).

BMB is hiring an Instructor-Fixed Term. This is a 12-month, fixed-term (non-tenure track) position with an expected start date in August 2022. The successful candidate will be an innovative and engaging educator who will implement the online instruction of our 200-level and 400-level comprehensive biochemistry courses for non-majors that are offered in the fall, spring, and summer semesters. Learn more and apply [here](#).

A multidisciplinary team of faculty at Michigan State University invites applications for a discipline-based education Postdoctoral Research Associate in causal mechanistic reasoning across chemistry and biology. The Research Associate will join an established collaboration between faculty from chemistry, biochemistry, plant biology, and teacher education seeking to understand how undergraduates connect ideas to create causal mechanistic explanations across chemistry and biology. The Research Associate will work with faculty mentors Jon Stoltzfus, Melanie Cooper, Tammy Long, and Christina Schwarz to develop and answer questions in this research area using existing data sets and codebooks as well as new data generated by faculty learning communities, student responses to research tasks, student interviews, and/or student focus groups. Learn more and apply [here](#).

Postdocs interest in attending the Virtual NPA Conference on April 28/29 may do so for free. In order to attend, please [register at the NPA website](#). It is best if you create a membership first, which may take up to 24 hours for confirmation, and you simply [navigate to the New Member page](#) and select “Affiliate Individual Member, Postdoc.” When you fill out the form for the virtual conference, in order to use the pre-paid bulk registration, enter the “promo” code MSUNPA2022. View the agenda [here](#).

The MSU WorkLife Office is inviting all MSU faculty and staff who are caregivers to adults (children, spouses, etc) or elderly individuals (such as aging parents) to take part in an upcoming Adult Caregiver Focus Group on May 5th from 12-1pm. The focus group will provide an opportunity for you to discuss caregiving challenges and successes and communicate what is most important to you in both your work and/or family life. [Register here](#).

Registration is open for the “NatSci Cultural Competency Workshop” May 10-13 (9:30am – 12pm each day). Through self-reflection and group activities, participants in this workshop series will explore issues of power, oppression, and privilege. Participants will raise their self-awareness about social identities, identify systems of inequity and oppression, and learn a framework for cultural competency development. Register [here](#).

Corteva is offering a \$3,000 scholarship for undergrads and PhD students in the plant and agricultural sciences who comes from groups historically under-represented. The due date is June 3rd. You can learn more about this opportunity [here](#).

“Intellectual Property, Non-Disclosure Agreements and Export Controls” Tuesday, April 26 from 6 pm to 7:30 pm. This workshop will review the different types of intellectual property created in the academic setting namely copyrights, patents, trademarks, and trade secrets. The workshop will also cover export control regulations. Register [here](#).

Michigan Nature Association has an opening for a full-time Vernal Pool Partnership Coordinator. They are looking for an organizer and coalition builder who possesses excellent communication skills and a solid background in environmental science. The Coordinator will 1) facilitate the Michigan Vernal Pool Partnership, a statewide public/private partnership dedicated to the protection of vernal pools, 2) help

establish a new vernal pool collaborative across a multi-state region, and 3) work on related initiatives that promote vernal pool conservation. Email Julie (jstoneman@michigannature.org) for details.

The [ASBMB Women in Biochemistry and Molecular Biology Committee](#) will have a panel discussion and virtually host the 2020 documentary “[Coded Bias](#)” May 4th at pm. The film explores biases embedded into technology. These biases affect the behaviors, outputs and consequences of countless devices, tools and digital spaces and often lead to or perpetuate inequity. Register [here](#).

“Achieving Broader Impacts through Industry Partnerships, Commercialization, and Entrepreneurship” May 17 from 10:00 - 11:00 am by Zoom. Increased partnerships between academia and industry and increased economic competitiveness of the U.S. are key Broader Impact areas. In this workshop, panelists representing university offices that support commercialization, entrepreneurship, and industry partnerships discuss their services and how best to collaborate with them to achieve your research impact goals. Register and learn more [here](#).

Registration for the GTA Fall Orientation and Preparation Program is open. Whether you are a new, international, or a returning Graduate Teaching Assistant, the [Graduate Teaching Assistant Program \(GTAP\)](#) offers sessions that provide policy training required of everyone and sessions to make you more effective in your teaching, including resources and professional development opportunities. Learn more and register [here](#).

Registration is now open for the ninth annual symposium on Plant Biotechnology for Health and Sustainability being held Friday, May 13th at the MSU Union. Learn more [here](#) or register [here](#). Genomatica is seeking a Research Associate I/II with experience in analytical chemistry or related field to work as a member of the Analytical Sciences team, specifically the metabolomics team. The team is responsible for quantitative analysis of fermentation or QSS intracellular extracts using HRLCMS Exactive. Email Farzaneh (fteymouri@genomatica.com) for details.