



Announcements

The **BMB Fall Seminar series** will start September 2nd, when [Emily Balskus](#) from Harvard University will present at 11:00 am via Zoom. More details to follow in the newsletter.

BMB is seeking one (1) **postdoctoral associate as a representative to serve on a search committee** for an instructor of a new BMB undergraduate laboratory course. Interested fellows can send a self-nomination or inquiry e-mail to Min-Hao Kuo (kuom@msu.edu) before 8/27.

The form for all faculty, staff and students to verify their **vaccination status** is now available [here](#). Exemption forms are available [here](#). All members of the campus communities must complete this form by Tuesday, Aug. 31, even if they previously completed the university's vaccine survey. Click [here](#) to find a vaccine near you.

As we get closer to the start of the semester, the Enhanced Digital Learning Initiative (EDLI) and the NatSci Undergraduate Education Office wanted to provide some resources that might help you prepare - [Fall 2021 Planning for Teaching website](#). This site:

1. walks you through the new technology available in most classrooms,
2. provides links to training opportunities to help you teach with technology,
3. gives some suggestions for managing the classroom, and
4. includes guidance on the new look for recitations and labs associated with courses in D2L

Registration is now open for the fall 2021 College of Natural Science **Cultural Competency for Personal, Organizational and Community Change workshop series**. This workshop series will explore issues of power, oppression, and privilege. Register [here](#).

The Department of Energy's (DOE) issued a call for proposals for its Office of Science **Graduate Student Research (SCGSR) Awards**. These awards fund graduate students currently pursuing Ph.D. degrees in areas of physics, chemistry, material sciences, biology (non-medical), mathematics, engineering, computer or computational sciences, or specific areas of environmental sciences that are aligned with the mission of the Office of Science to conduct research in DOE laboratories. More information can be found [here](#).

Bayer Crop Science is offering 2 funding opportunities. 1) Digital tools for collecting, transmitting and analyzing agronomic data seeks digital tools for collecting, transmitting and analyzing data, and data platforms for measuring and predicting agronomic performance. More information [here](#). 2) Sustainably protecting crops while preserving natural habitats seeks novel approaches and technologies to sustainably protect crops and preserve natural habitats. More information [here](#).

Join the National Postdoc Association for a **conversation with postdocs-turned-AAAS Science & Technology Policy Fellows (STPF)** Wednesday, September 1, 2021 at 1:00 pm to learn first-hand about policymaking while contributing their knowledge and analytical skills to the federal policymaking process.

Hundreds of volunteers are needed throughout the day Oct. 1 to make the **MSU Homecoming Parade** in downtown East Lansing run smoothly. [Volunteer for the parade](#) and learn more about [Homecoming](#).

Job / internship postings:

The Michigan State University Herbarium has **two positions available for undergraduate students**, starting fall 2021. The people hired to fill these positions will assist with lichen and moss specimen digitization, curatorial work, and research projects in the Herbarium, with the potential to pursue research and/or outreach projects if interest and aptitude are demonstrated. A minimum of 10 hours per week is expected and starting pay will be \$12/hr. This is an on-campus position. More information about the Herbarium can be found [here](#) or apply directly by sending your resume to Matt Chansler (chansle1@msu.edu).

Recent Publications

Chai Q, Li S, Collins MK, Li R, Ahmad I, Johnson SF, Frabutt DA, Yang Z, Shen X, Sun L, Hu J, Hultquist JF, Peterlin BM, Zheng YH. "HIV-1 Nef interacts with the cyclin K/CDK13 complex to antagonize SERINC5 for optimal viral infectivity." *Cell Rep*. August 2021.

Abebe DA, van Bentum S, Suzuki M, Ando S, Takahashi H, Miyashita S. "Plant death caused by inefficient induction of antiviral R-gene-mediated resistance may function as a suicidal population resistance mechanism." *Commun Biol*. August 2021.

Jayaraman ST, Kocot JT, Esfahani SH, Wangler NJ, Uyar A, Mechref Y, Trippier PC, Abbruscato TJ, Dickson A, Aihara H, Ostrov DA, Karamyan VT. "Identification and characterization of two structurally related dipeptides that enhance catalytic efficiency of neurolysin." *J Pharmacol Exp Ther*. August 2021.

Uyar A, Dickson A. "Perturbation of ACE2 Structural Ensembles by SARS-CoV-2 Spike Protein Binding." *J Chem Theory Comput*. August 2021.

Aykul S, Maust J, Thamilselvan V, Floer M, Martinez-Hackert E. "Smad2/3 activation regulates smad1/5/8 signaling via a negative feedback loop to inhibit 3t3-l1 adipogenesis." *International Journal of Molecular Sciences*. August 2021.

Chan C, Foster ST, Cacace MJ, Sandum CT, Wright PT, Volmert B, Yang W, Aguirre A, Li W, Wright NT. "Repositioned Drugs for COVID-19—the Impact on Multiple Organs." *SN Comprehensive Clinical Medicine*. August 2021.