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**\*Because of the holidays, the next BMB newsletter will be published January 8<sup>th</sup>.**

## Announcements

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The Plant and Cell Physiology Laboratory, Grenoble is looking for a post-doctoral fellow (30 month contract) to study the biology of microalgae from the Alps. The missions will be part of the ALPALGA program. The postdoctoral researcher will be part in the LIPID team as part of the ANR ALPALGA project which aims to explore microalgae living in high mountain environments, and to elucidate the mechanisms that govern their adaptation to extreme conditions characterizing in particular the snow cover. Click [here](#) for more information.

The Department of Defense (DoD) National Defense Education Program (NDEP) seeks innovative applications on mechanisms to implement Science, Technology, Engineering, and Mathematics (STEM) education, outreach, and/or workforce initiative programs. NDEP also seeks innovative applications on mechanisms to specifically implement Biotechnology outreach and workforce development. Additional NDEP efforts also includes a pilot program in Enhanced Civics education. Click [here](#) for more information.

The Office of the Associate Provost for University Outreach and Engagement is introducing a new recognition program aimed at honoring the work of graduate students who distinguish themselves through scholarly community engagement. The MSU Graduate Student Award for Community Engagement Scholarship will be conferred upon one graduate or graduate professional student each year for outstanding community-engaged scholarship. Nominations may be initiated by students, faculty, administrators, or community partners, and self-nominations are welcome. More information [here](#).

Many MSU applications and websites will be temporarily unavailable on January 2, 2021 starting at 11:00 pm, while the MSU Network is down for scheduled maintenance. This temporary service outage will last approximately five hours. Applications or websites that use MSU NetID to authenticate, including but not limited to D2L, Zoom, StuInfo, and EBS will be impacted. Students, faculty, and staff are advised to refrain from using these services during the maintenance window. Click [here](#) for more information.

[NSF](#) (Directorate for Mathematical and Physical Sciences - MPS) and [NIH](#) have supplemental funding mechanisms to fund students in your group outside of funding provided by an existing grant.

The Van Andel Institute in Grand Rapids, MI has 6 assistant professor faculty positions available in the departments of Structural Biology and Cell Biology, Epigenetics, Neurodegenerative Science and Metabolism and Nutritional Programming. Click [here](#) for more information.

## COVID-19 specific updates-

Because the COVID-19 pandemic is rapidly changing, Spartans are encouraged to visit MSU's COVID-19 [website](#) regularly for the latest updates and information. For more general information, you are encouraged to visit the Centers for Disease Control and Prevention COVID-19 specific page [here](#).

COVID-19 testing is available at Spartan Stadium without an appointment Mon-Sat. Testing centers will be closed during university holidays Dec. 24-26 and Dec. 31-Jan. 2. [Learn more here](#).

After the holiday break, Spartans who are returning to East Lansing from outside communities — whether in-state, national or international — are asked to quarantine upon their arrival in their local residences. This effort will be most effective if students/faculty/staff adhere to this quarantine for at least 10 and up to 14 days and continue monitoring for symptoms for the remainder of the semester.

This spring, undergraduates living on or coming to campus will be required to participate in the COVID-19 Early Detection Program. Faculty, staff and students living locally off campus are also encouraged to participate.

To keep campus safe and maintain active scholarly work on campus, please:

- Make sure everyone understands the Laboratory Plan for a Safe Return
- Make sure everyone in the laboratory has taken COVID-19 training
- Discuss COVID-19 safety with your team
- Maintain distances of six feet or more in work areas
- Wear a face covering at all times on campus
- Disinfect surfaces as previously directed
- Wash your hands frequently
- Complete a health screening form for every visit to campus
- Most importantly, work remotely when possible

## Recent Publications

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Gomez-Cano F, Carey L, Lucas K, Navarrete TG, Mukundi M, Lundback S, Schnell D, Grotewold E. "CamRegBase: a gene regulation database for the biofuel crop, *Camelina sativa*." *Database*. Volume 2020. December 2020

Hao Z, Epshtein V, Kim KH, Proshkin S, Svetlov V, Kamarthapu V, Bharati B, Mironov A, Walz T, Nudler E. "Pre-termination Transcription Complex: Structure and Function." *Mol Cell*. Volume 80. December 2020. Online ahead of print.

Hu J. "Towards unzipping the ZIP metal transporters: structure, evolution, and implications on drug discovery against cancer." *FEBS J*. Volume 287. December 2020. Online ahead of print.

de Los Campo G, Pook T, Gonzalez-Reymundez A, Simianer H, Mias G, Vazquez AI. "ANOVA-HD: Analysis of variance when both input and output layers are high-dimensional." *PLoS One*. December 2020.