



Announcements

[Workshops from the Graduate School](#)

The Graduate School will be offering two thesis and dissertation walk-in [formatting help](#) sessions. Students should come to the drop-in sessions with specific formatting questions regarding their documents.

Tuesday, July 16, 2019 from 9:00 a.m. to 11:00 a.m. in room 220 Chittenden Hall (2nd floor conference room)

Wednesday, July 31, 2019 from 1:00 p.m. to 3:00 p.m. in room 220 Chittenden Hall (2nd floor conference room)

[10 Ways to Support New Mothers in STEM](#)

An article from *The Scientist* addressing some of the issues scientists face as new parents.

[Advanced Molecular Imaging Course](#)

An advanced molecular imaging course targeted toward senior graduate students, postdoctoral researchers, and young faculty who are interested in advancing their knowledge to become leaders in the field. Individuals who have a fundamental understanding of biology, chemistry, and physics will get the most from this intensive course. Join us on the beaches of Holland, MI from July 24th – 27th 2019 at Hope College! Register [here](#).

[CMSE 890: Gaps, Missteps, & Errors in Statistical Data Analysis](#)

Arjun Krishnan will be teaching a short course on essential concepts for rigorous practice & critical interpretation of statistical data analyses will be offered this fall from November 6th to December 4th, M-W, 3pm-5pm.

[BMB Picnics](#)

The next BMB monthly noon picnics will be on July 18th at the courtyard behind the Biochemistry building.

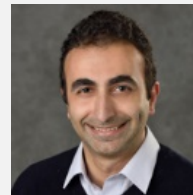
[Targeting Metabesity 2019](#)

October 15 - 16, 2019, Washington, DC

Abstract submission for Targeting Metabesity 2019 is now open. The committee encourages submissions that are innovative and challenge current treatment paradigms. There is an early deadline (June 1, 2019, 5 p.m. EDT) and a standard deadline (August 1, 2019, at 5 p.m. EDT). For more information, visit

metabesity2019.com

Noteworthy News



Astronaut health is one of the primary concerns of the mandate to land people on Mars by 2033. George Mias, BMB Assistant Professor and Chief of the Systems Biology Division at the Institute for Quantitative Health Science and Engineering, is tackling this problem by developing an algorithm to monitor astronaut health. The algorithm will integrate molecular and physiological data over time. Deviations from base line health will indicate when preventive measures need to be taken. George is working in collaboration with MSU Physics professor Carlo Piermarocchi. Their work is being funded by NASA. You can read more [here](#).

SPARTANS WILL.

Recent Publications

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

Kariagina A, Lunt SY, McCormick JJ. “Genomic and Metabolomic Analysis of Step-Wise Malignant Transformation in Human Skin Fibroblasts.” *Carcinogenesis*. (2019) Jul 4. doi: [10.1093/carcin/bgz126](https://doi.org/10.1093/carcin/bgz126)

Nguyen DD, Wei GW. “AGL-Score: Algebraic Graph Learning Score for Protein-Ligand Binding Scoring, Ranking, Docking, and Screening.” *J Chem Inf Model*. (2019) Jul 1. doi: [10.1021/acs.jcim.9b00334](https://doi.org/10.1021/acs.jcim.9b00334)

Donyapour N, Roussey NM, Dickson A. “REVO: Resampling of ensembles by variation optimization.” *J Chem Phys*. (2019) Jun 28;150(24):244112. doi: [10.1063/1.5100521](https://doi.org/10.1063/1.5100521)

Wu HL, Song G, Walley JW, Hsu PY. “The tomato translational landscape revealed by transcriptome assembly and ribosome profiling.” *Plant Physiol*. (2019) Jun 27. doi: [10.1104/pp.19.00541](https://doi.org/10.1104/pp.19.00541)

Liu Y, Hickey DP, Minter SD, Dickson A, Calabrese Barton S. “Markov-State Transition Path Analysis of Electrostatic Channeling.” *J Phys Chem C Nanomater Interfaces*. (2019) Jun 20;123(24):15284-15292. doi: [10.1021/acs.jpcc.9b02844](https://doi.org/10.1021/acs.jpcc.9b02844)