UMN-Morgan State Seed Grant Program - February 6 Deadline

IEM and Morgan State University are supporting innovative and impactful engineering in medicine research aimed at larger, external funding. Click here to learn more about the 2023 seed grant program requirement and how to apply.

IEM Member Highlights

Expanding Drosophila Cryopreservation

The National Institutes of Health recently awarded a 4-year, $2.9M grant to a team led by Dr. Tom Hays and Dr. John Bischof to standardize and disseminate resources for cryopreservation of Drosophila (fruit flies), one of the most important organisms for medical and genetic research. Hays and Bischof will work with the University of Indiana's Bloomington Drosophila Stock Center - the largest Drosophila repository in the world - and smaller Drosophila banks around the country to make their simple and robust cryopreservation protocol a standard part of Drosophila preservation and shipping. See the IEM website for more information in the coming weeks.

2022 Academies for Excellence Inductees

IEM members Dr. Paul Tuite and Dr. Sang-Hyun Oh were named to the University's 2022 Academy for Excellence. Congratulations to both! Read the story here.

Upcoming Events and Opportunities

Advanced Cardiac Physiology and Anatomy

January 9-13, 2023

The Department of Integrative Biology and Physiology is offering a week-long intensive course (PHSL 5510) with lectures, small group discussions, demonstrations, and participation in a human gross anatomy laboratory. The course is open to UMN students and individuals from biomedical engineering companies. Click here to learn more and register.

Minnesota NeuroSpin Initiative Seminars

January 2023

The Minnesota NeuroSpin Initiative is a collaboration of neurologists, neuroscientists, and engineers developing novel nanomagnetic materials and quantum spintronic devices for investigating the nervous system. They will host two seminars in January. Check the website or the Seminars Initiative website for more details coming soon.

Emerging Medical Innovation Value Competition

January 27 Submission Deadline

The Emerging Medical Innovation Valuation Competition is for researchers and inventors to get immediate feedback about their projects from medical technology leaders. The competition is open to UMN students and inventors (including students, faculty, staff, and corporations) with ideas for new innovations needing investor support to reach the next stage of development. Read more about submission requirements here.

12th Annual Student Design Showcase

January 27 Submission Deadline

The goal of the showcase is to promote and publicize excellence in medical device design by student teams of undergraduate and graduate students. Outstanding designs will be invited to compete in a live poster session on April 18, 2023 for one of three cash prizes. Read more about submission requirements here.

Medical Innovation Commercialization Bootcamp

February 27, 2023

The bootcamp is designed to introduce innovation principles and commercialization processes for medical innovations. This program is especially appropriate for graduate students, postdocs, early career faculty, and other research professionals interested in commercializing medical innovations, including diagnostic tools, therapeutic devices, pharmacy, and health care. Read more and register here.

Otto Schmitt Distinguished Lecture Series

February 28, 2023

Dr. Rick Kurz, retired chief medical officer for Medtronic, will deliver the Otto Schmitt Lecture on February 28. Named in honor of Dr. Otto Schmitt - a longtime University professor of biophysics, bioengineering, and electrical engineering - the annual IEM Otto Schmitt Distinguished Lecture Series foment discussion of the grand challenges for engineering in medicine. More details coming soon!

IEM Innovation Week

April 17-21, 2023

- 5.10k Fun Run and Road Race (April 17)
- Cells to Cures Symposium (April 17-18)
- V&V 40 Workshop (April 17)
- EM Center State of the Center (April 18)
- IEM Innovation Week Kickoff (April 19)
- Innovation Symposium (April 20-21)
- Cells to Cures Symposium (April 21)
- IEM Innovation Week (April 17)

Stay Connected with #UMNIEM