IEM News

4th Annual IEM Inspire Conference

The 4th Annual IEM Inspire Conference, held on November 18th, focused on early detection and treatment of nervous systems diseases.

The morning session talks and lunch keynote were delivered by science, engineering, and clinical University of Minnesota faculty members on their efforts to address brain and neurologic conditions, while the afternoon talks included industry and academic professionals, and focused on pathways from high school to careers in these fields.

The in-person audience at the McNamara Alumni Center, which was limited this year to maximize distancing between attendees, included more than 160 students from 13 high schools; another 20 students from three high schools viewed it virtually. The Program Book can be found on the 2021 Inspire Conference webpage, and videos of the talks will be posted to this page in December.

IEM Member Highlights

Alison Hubel named President-Elect of the Society for Cryobiology
Read the announcement here

Joseph Metzger awarded Muscular Dystrophy Association Grant
Read the award description here

Alik Widge leads study showing improved self-control and mental flexibility from targeted, closed-loop electrical stimulation
Read the study here

Steven Saliterman profiled for developing unique at-home training in electronic circuits
Read the story here
Richard James co-authors research demonstrating a potential pathway to making shape-shifting ceramic materials
Read about the research here

Bruce Hammer receives NSF grant for development of real-time in-vitro oxygen and PH monitoring technology
Read the award notice here

Xavier Revelo and Jop van Berlo have recently shown that cardiac resident macrophages prevent fibrosis and stimulate angiogenesis
Read the study here

David Wood is corresponding author of paper showing that a 3D cell culture platform can be used to study idiopathic pulmonary fibrosis
Read the study here

Announcements

Registration is open for the 21st Advanced Cardiac Physiology & Anatomy Course, January 3–7, 2022
The 21st Advanced Cardiac Physiology & Anatomy course will be held January 3–7, 2022, in person, at the Mayo Auditorium (Minneapolis East Bank campus). This week-long intensive course, open to industry professionals from biomedical engineering companies in the metro and surrounding areas and graduate students from the University of Minnesota, will include lectures, small group discussions, demonstrations, and participation in a human gross anatomy laboratory.

Enrollment is first come/first served. More information can be found at z.umn.edu/PHSL5510

The Carlson School is hosting Dr. Meena Seshamani, newly appointed Director for the Center for Medicare, at a virtual event on December 1, 2021, 12:00–1:15 pm CT. Her talk will focus on the vision for the future of medicine.
The registration (free) link is: https://umn.zoom.us/webinar/register/WN_8QZtfs6fTue7xB5C3TrmQg