IEM Highlights

A Month of Medical Devices

A new clerkship developed through IEM will allow medical students how MedTech innovation works from bench to bedside. “The future of device innovation requires medical practitioners and device manufacturers to have a deeper understanding of what each of them does and how they do it,” says Dr. Paul Iazzio. [Read more here](#).

Guidelines for using artificial intelligence in scientific writing

ACS Nano recently published this “Best Practices” piece for scientific authors using ChemOffice and many other soon-to-be-mainstream automated communications systems. It’s short (about 1500 words) and covers the potential advantages and dangers of these tools. [Learn more here](#).

IEM announces new Manuscript Writing Intensive Workshop

Over 10 weeks in fall 2023, a small cohort of graduate students will work with a professional editor and each other to finalize a manuscript for publication. Requirements: a final draft, $550, and a commitment to attend all 10 in-person sessions. Apply by June 16. [More information here](#); questions can be sent to Dr. Alena Tolkacheva at talkacal@umn.edu.

IEM Member Highlights

Sang-Hyun Oh advances diagnostics through nanotubes

[Read the story here](#) and the scientific article [here](#).

Shashi Shekhar leads the new $20M NSF AI-CLIMATE center

[Read the UNM story here](#), the KARE 11 story [here](#), and the FOX 9 story [here](#).

Harry Buchwald discusses his new book Healthcare Upside Down

[Read the story here](#) and a longer interview [here](#).

Upcoming Events & Opportunities

**CRYO 2023 - July 25-27**

The 50th annual meeting of the Society for Cryobiology is right here at the University of Minnesota. On the agenda: using and developing cryopreservation technologies for making transplantable organs/tissues available to those who need them, decreasing the time and cost of drug development, helping to feed the world, and protecting living organisms from extinction. [More details here](#), registration [here](#).

**Magnetic Technologies and Clinical Applications in Neuroscience Conference - August 24-25**

The Minnesota NeuroSpin Initiative is holding its first-ever conference right here at the University of Minnesota. The conference will focus on the latest developments in magnetic and spintronic devices and systems and their potential applications in neural stimulation and sensing, diagnosis and treatment of neurological disorders, and brain-inspired technologies. [More details and registration here](#).

**RFP for UMN-Mayo Partnership Grants released - Letters of Intent due July 11, 2023**

Since 2003, the Minnesota Partnership for Biotechnology and Medical Genomics has awarded over $180M for 160 competitive collaborative projects. In 2023, it plans on awarding at least two-year awards in the $1,000,000 to $1,500,000 range (total costs, direct + indirect). [Download the RFP here](#). Two-page Letters of Intent are due July 11 by 4:30 PM.

**UMN to offer new Data Science for Chemical Engineering and Materials Science master’s degree**

In fall 2023, the University of Minnesota Twin Cities College of Science and Engineering will begin offering a new master’s degree in data science for chemical engineering and materials science to meet the growing industry demand for scientists and engineers with computational and data analytics skills. [Information to apply can be found here](#).