IEM News

UMN–Mayo Partnership Grant Announced
The University and Mayo Clinic Partnership will fund up to four two-year awards in the $1,000,000 to $1,500,000 range (total costs). This year, the Partnership aims to fund projects that are part of a plan for a large, highly competitive center-level grant application.

See [here](#) or email Lauren Bigalke (bigal016@umn.edu) for more information.

IEM Member Highlights

Michael Garwood awarded Guenther Laukien Prize
Read the story [here](#)

Alex Opitz becomes a McKnight Presidential Fellow
Read the story [here](#)

Sang-Hyun Oh develops a phone-powered microfluidic diagnosing chip
Read the story [here](#) and the Nature Communications paper [here](#)

Vipin Kumar’s innovations in machine learning applied to reducing agricultural greenhouse emissions
Read the story [here](#)

Michael McAlpine develops the first-ever 3D-printed flexible OLED display
Read the story [here](#)

Zhi Yang’s technology enables amputees to control a robotic arm with thoughts
Read the story [here](#)

Upcoming Events and Opportunities

2022–2023 Engineering in Medicine Doctoral Fellowships—Call for Applications
This Fellowship, available to students of IEM members, includes a $25,000 stipend plus $2,500 for professional development. Tuition and subsidized Graduate Assistant health plan are also covered. Each year we welcome new applications and previously submitted University of Minnesota IDF and DDF fellowship applications that were declined as long as they are modified to meet the criteria. Eligibility criteria and information on the application process can be found on the IEM Website, [here](#).

NSF releases the Engines grant application to drive innovation capacity across the country
NSF Engines aims to catalyze robust partnerships rooted in scientific and technological innovation to positively impact the economy within a geographic region, address societal challenges, and advance national competitiveness. New centers will be awarded $160M over 10 years. Letters of Intent are due June 30. Find all information [here](#).

NIBIB announces a grant opportunity for point-of-care technologies research centers
New point-of-care technology research network (POCTRN) centers will drive the development and application of innovative point-of-care, home-based, improved clinical laboratory tests and testing technologies. Teams forming now can expect the funding opportunity to be published at the end of July with applications due at the end of September. Find all information [here](#).

DARPA Forward Conference Series
Join the Defense Advanced Research Projects Agency (DARPA) for their upcoming DARPA Forward conference series. From August to December 2022, six regional events held at leading research and development universities nationwide will connect DARPA leaders with new communities of talent and partnerships. The ultimate goal: to energize regional and national innovation ecosystems, fuel breakthroughs in national security, and help deliver the U.S. technological advantage. Registration for all events will open on June 1, 2022. Find out more at the event website [here](#).