



A monthly newsletter from the Institute for Engineering in Medicine

IEM News

Three IEM members receive 2022 Research Infrastructure Awards

The Office of the Vice President for Research announced the recipients of its 2022 Research Infrastructure Investment Program awards. More than \$2 million in total funds was awarded to support critical facilities and research support services across the University. Seven projects received funding, including three to IEM members:



Angela Panoskaltsis-Mortari received funding for a new 3D bioprinter



Chris Pennell received funding for two new flow cytometers



Rajesh Rajamani received funding for a new 3D motion tracking system for biomechanical motion analysis

See the complete list [here](#).

IEM Member Highlights



Hubert Lim publishes second large-scale study of neuromodulation treatment for tinnitus

[Read the paper here](#)



David Odde leads a study identifying environments favored by migrating cancer cells

[Read the article here](#)



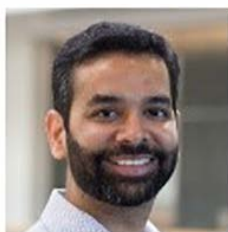
Robert Tranquillo's team awarded \$3.7M to prepare for clinical trials of lab-created pediatric heart vessels that grow with recipients

[Read the article here](#)



Researchers led by Emil Lou discover a protein that may be associated with better prognosis for women with ovarian cancer

[Read the article here](#)



Casim Sarkar leads a team that combines modeling and engineering to control DNA recombination

[Read the article here](#)



Germaine Cornelissen-Guillaume was part of a team studying physiological effects of long-term spaceflight.

[Read the paper here](#)

Upcoming Events and Opportunities

SAVE THE DATE! 2022 IEM Annual Conference

The IEM Annual Conference will be held on Tuesday, September 27, 2022 at the McNamara Alumni Center—save the date!

The morning session (9:00am–noon CT) includes an update on IEM, awards for industry partners, and three keynote speakers:



Andrew Alleyne, Dean of CSE



Theresa Reineke, Professor of Chemistry



Genevieve Melton-Meaux, Professor of Surgery

The afternoon session (12:15pm–1:30pm CT) is for 1) faculty networking and team-building and 2) a student/postdoc career session.

The Poster Session runs 1:30pm–3:00pm CT. Students, postdocs, and faculty are all welcome to enter. It was great to see so many attendees (in-person and virtually) at the 2021 IEM Annual Conference! We look forward to seeing you again in 2022.

More details available [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](#).