INSTITUTE FOR MEDICAL ENGINEERING AND SCIENCE

Launched in 2012, the Institute for Medical Engineering and Science (IMES) (https://imes.mit.edu) is a focal point and effective hub for research and education in medicine, engineering, and science at MIT. IMES is comprised of a community of faculty and researchers from across MIT, Harvard Medical School, collaborating local-area hospitals, and industry with work focused on the intersections of engineering, basic sciences, and clinical research and practice. IMES is dedicated to addressing major challenges to human health using groundbreaking approaches and technologies.

Through its research and educational programs, and as home to the Harvard-MIT Program in Health Sciences and Technology (http://catalog.mit.edu/schools/engineering/harvard-mit-health-sciences-technology), IMES pioneers new research paradigms and novel curricula to advance health and educate a generation of leaders working at the convergence of engineering, science, and clinical medicine. In partnership with Harvard Medical School, IMES also plays a significant role in educating physician-scientists and physician-engineers who can integrate approaches from the physical sciences and engineering with the practice of medicine. IMES is also home to the MIT Medical Electronic Device Realization Center, Clinical Research Center (http://catalog.mit.edu/mit/research/clinical-research-center), and the MIT-MGH Center for Microbiome Informatics and Therapeutics.

Opportunities for undergraduate research are available through the home department of faculty who are participating in IMES research, and through the Undergraduate Research Opportunities Program (UROP) (http://catalog.mit.edu/mit/undergraduate-education/academic-research-options/undergraduate-research-opportunities-program). For further information, contact the director, Professor Arup K. Chakraborty, Room E19-502C, 617-253-3890.