Launched in 2012, the Institute for Medical Engineering and Science (IMES) (https://imes.mit.edu) aims to create a focused and effective platform for research and education in medical engineering and science at MIT. IMES is dedicated to addressing major health challenges using novel technologies and approaches. A community of scholars from across MIT and collaborating local-area hospitals—with work focused at the intersections of engineering, basic sciences, clinical research, and clinical practice—contribute expertise to IMES.

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

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 E25-338, 617-253-3890.