About Us
The Department of Biomedical Engineering (BME) in Cleveland Clinic’s Lerner Research Institute is committed to investigation, innovation and translation of scientific discoveries to enhance patient care. Medical innovation is at the heart of our mission, and we have a proven track record of technology commercialization.

Research Areas of Focus
- Tissue Engineering
- BioMEMS & Nanomedicine
- Cardiovascular Engineering
- Vascular Imaging
- Biomechanics
- Medical Device Technology
- Neural Control & Disease
- Musculoskeletal Research & Imaging

Accelerating Discoveries to Patients
As a part of a research institute embedded within an international hospital system, we emphasize translational research and are uniquely poised to improve patient care. Our scientists work closely with Cleveland Clinic physicians to transform groundbreaking discoveries made in the laboratory to the bedside.

Biomedical Engineering Alliance
Case Western Reserve University and Cleveland Clinic have launched a partnership to advance research and education in biomedical engineering. This alliance capitalizes on the strengths of both institutions to create a unique program with an extensive portfolio of breakthroughs that lead to life-changing treatments for patients. The alliance allows students to:
- Take courses at Case Western Reserve University
- Conduct thesis work in Cleveland Clinic labs
- Receive a stipend paid by Cleveland Clinic faculty

Fast Facts
- 35% of all patents issued to Cleveland Clinic originate from BME research
- $35 million in new grants were awarded to BME investigators in 2019
- 15 human-based clinical studies were carried out in BME in 2019

Our People
- 28 independent labs
- 80 employees
- 20 postdoctoral fellows
- 20 graduate students

Contact Us
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