Department of Biomedical Engineering

SCHOOL OF ENGINEERING FACTS

- Founded in 1824, one of the oldest engineering schools in the country
- Located in Troy, NY, 150 miles north of New York City
- 546 graduate students
- 3,600 undergraduate students
- 31 degree programs (12 UG and 19 G)

RESEARCH HIGHLIGHTS

- 12 Engineering Focused Research Centers
- 2 NSF Engineering Research Centers (ERCs)

SCHOOL FACULTY

- 21 endowed chairs or professorships
- 24 National Science Foundation (NSF) Faculty Early Career Development (CAREER) Award winners (2010-2018)
- 48 Early Career Awards (e.g., NSF CAREER and other Young Investigator Awards) among current faculty

ABOUT THE DEPARTMENT OF BIOMEDICAL ENGINEERING

STUDENTS

- 384 Undergraduates
- 21 Masters
- 60 Ph.D.

DEGREES OFFERED

- Biomedical Engineering:
  - B.S., M.Eng., M.S., and Ph.D.
  - B.S. with Management Minor/Data Science Minor/Premed Option

Undergraduate Concentrations:

- Biomaterials, Biomechanics, Biomedical Data Science, Bioimaging, and Medical Devices.

DEGREES AWARDED IN AY 2020

- 93 Bachelors
- 20 Masters
- 5 Ph.D.

GRADUATE STUDENT SUPPORT (FALL 2020)

- 100% of doctoral students received financial support

FACULTY

- * BME faculty includes 6 current NSF CAREER awardees
  - Ge Wang, Clark and Crossan Endowed Professor
  - David Corr*, Professor
  - Stanley Dunn, Professor
  - Ryan Gilbert*, Professor
  - Juergen Hahn, Professor and Department Head
  - Mariah Hahn*, Professor
  - Xavier Intes*, Professor
  - Deepak Vashisth, Professor
  - Jonathan Newell, Professor Emeritus
  - Wolf von Maltzahn, Professor Emeritus
  - Deanna Thompson, Associate Professor
  - Qun (Leo) Wan*, Associate Professor
  - Elizabeth Blaber, Assistant Professor
  - Pingkun Yan*, Assistant Professor
  - Uwe Kruger, Professor of Practice
  - Monica Agarwal, Lecturer
  - George Lee, Lecturer
  - Hisham Mohamed, Lecturer
  - Xun Wang, Lecturer

RESEARCH AREAS

- Biofabrication and Biomanufacturing
- Biomedical Imaging and Image Analytics
- Biomolecular Science and Engineering
- Musculoskeletal Biomechanics and Mechanobiology
- Systems Biology & Healthcare Analytics
- Tissue Engineering and Regenerative Medicine

AFFILIATED RESEARCH CENTERS

- Biomedical Imaging Center
  - biotech.rpi.edu/centers/bic
- Center for Biotechnology & Interdisciplinary Studies
  - biotech.rpi.edu
- Center for Computational Innovations (CCI)
  - cci.rpi.edu
- Center for Modeling, Simulation and Imaging in Medicine
  - cemsim.rpi.edu
- Center for Stem Cell Research
  - stemcells.rpi.edu

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