



# Department of Biomedical Engineering

## DEPARTMENT HISTORY

# 2002

Department of BME founded

The biomedical engineering department's growth in the Samueli School has been rapid. The department merges UCI's strengths in medicine, biological sciences and engineering. BME faculty are competitive in garnering extramural grants, with expenditures topping \$30M on an annual basis. Strong ties with many of Orange County's more than 300 biomedical device and biotech companies provide students and faculty with distinct opportunities to solve contemporary medical challenges.

## STUDENT POPULATION

# 556

Undergraduate Students (Fall 2020)

### B.S. degrees

- Biomedical Engineering
- Biomedical Engineering: Premedical

# 138

Graduate Students (Fall 2020)

### M.S. and Ph.D. degrees

- Biomedical Engineering

## RESEARCH & EXPENDITURES

# \$47.3M

2020-21 Research Expenditures

## 7 Research Thrusts

- Biomedical Computational Technologies
- Biomedical Nanoscale Systems
- Biomolecular/Genetic Engineering
- Biophotonics
- Cardiovascular
- Neuroengineering
- Tissue Engineering

## 11 World-class Center Affiliations

- Beckman Laser Institute
- Bio-organic Nanotechnology Lab
- Center for Advanced Design and Manufacturing of Integrated Microfluidics
- Center for Complex Biological Systems
- Chao Family Comprehensive Cancer Center
- Edwards Lifesciences Center for Advanced Cardiovascular Technology
- Gavin Herbert Eye Institute
- Integrated Nanosystems Research Facility
- Laboratory for Fluorescence Dynamics
- Reeve-Irvine Research Center
- Sue & Bill Gross Stem Cell Research Facility

## FACULTY & RECOGNITION

# 33

 Full-time Faculty

# 63

 Affiliated Faculty

# 1

 National Academy of Medicine

# 7

 NIH New Innovator Awards

# 3

 NSF CAREER Awards

# 1

 DARPA Young Faculty Award

# 4

 National Academy of Inventors

# 3

 Distinguished Professors

# 4

 Endowed Chairs

# 1

 Royal Society of Medicine Fellow