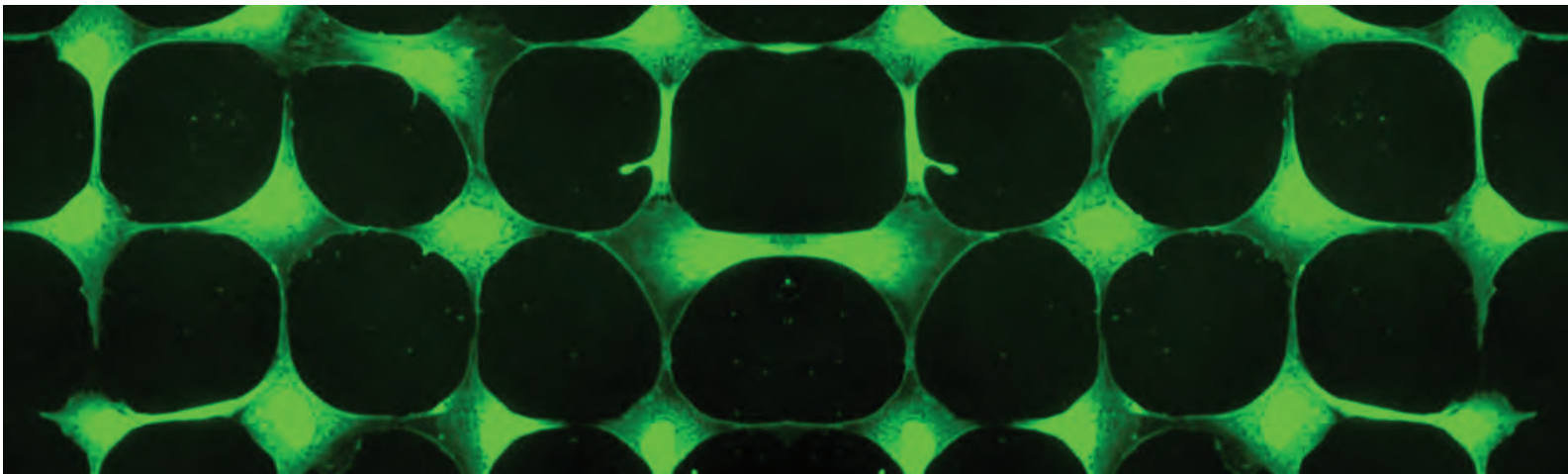




COLUMBIA | ENGINEERING

The Fu Foundation School of Engineering and Applied Science

BIOMEDICAL ENGINEERING



APPLICATION DEADLINES

Fall Admission

M.S. February 15
Ph.D..... December 15

Spring Admission

All Programs October 1

APPLICATION REQUIREMENTS

- Official transcript from every post-secondary institution attended
- Three recommendation letters
- Official Graduate Record Examination (GRE) General Test Scores
- Personal statement
- Resume or curriculum vitae
- TOEFL, IELTS, or PTE Academic scores & English translation of official transcripts must be submitted by applicants whose undergraduate degree was received in a country in which English is not the official and spoken language.

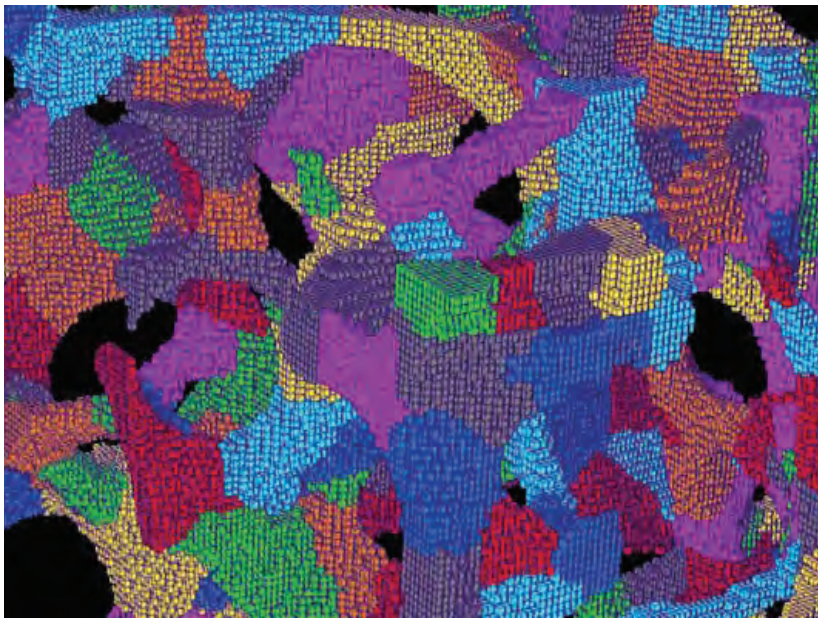
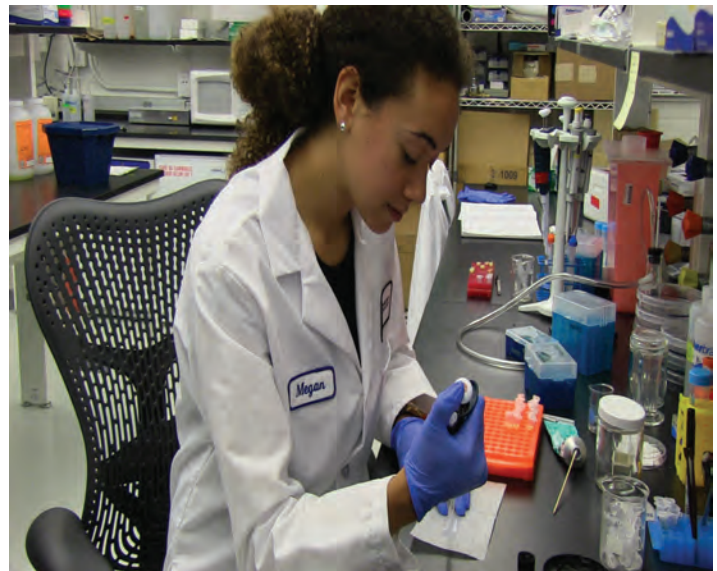


FOR MORE INFORMATION, VISIT:

WWW.BME.COLUMBIA.EDU

Cell and Tissue Engineering

Cell and Tissue Engineering includes the study of cellular mechanics and cell signaling, mechanotransduction, biosystems engineering and computational biology, nanotechnology, microfluidics, bioMEMS and gene chips, functional tissue engineering and biomaterials, tissue structure-function and cell-matrix interactions.

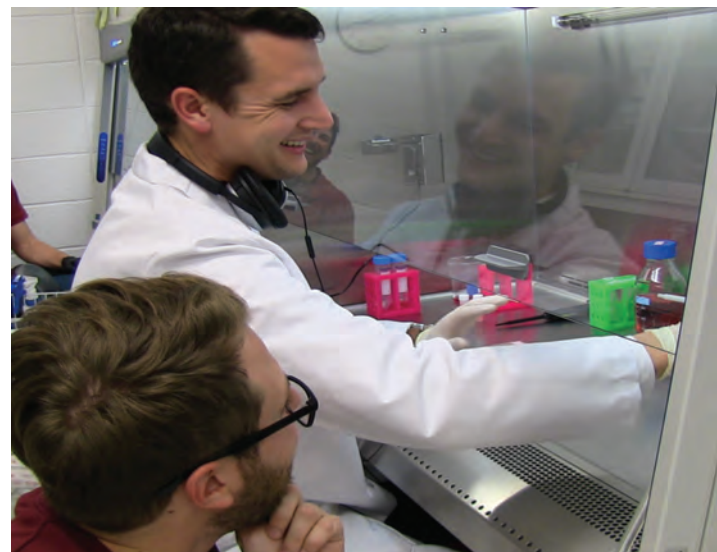


Biomechanics

Biomechanics includes the topics of musculoskeletal mechanics, cardiac mechanics, mechano-electrochemical responses of soft and hard tissues, cell-matrix interactions, cellular biomechanics, functional tissue engineering, image-based functional anatomy, and computer-assisted surgery and surgical planning.

Biosignals and Biomedical Imaging

Biosignals and Biomedical Imaging encompasses biophysics of image formation from molecules to tissues, signal detection and formation, image and signal processing using quantitative analysis, modeling the physical and biological processes, and performance evaluation. Specialty areas include MRI, ultrasound, biophotonics, microscopy, EEG, and medical imaging processing.



Biomedical Engineering
351 Engineering Terrace
1210 Amsterdam Avenue
New York, NY 10027

QUESTIONS?
212-854-4460 or
zc2306@columbia.edu

