BIOMEDICAL ENGINEERING

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M.S., M.Phil., Ph.D.

Chair
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Professors Richard Carson, Nicholas Christakis, James Duncan, Karen Hirschi, Jay Humphrey, Fahmeed Hyder, Andre Levchenko, Evan Morris, Laura Niklason, Douglas Rothman, W. Mark Saltzman, Martin Schwartz, Fred Sigworth, Brian Smith, Lawrence Staib, Hemant Tagare, Paul Van Tassel, Steven Zucker (Computer Science)

Associate Professors Joerg Bewersdorf (Cell Biology), Robin de Graaf, Tarek Fahmy, Rong Fan, Anjelica Gonzalez, Themis Kyriakides (Pathology), Kathryn Miller-Jensen, Xenophon Papademetris

Assistant Professors Stuart Campbell, Michael Choma, Chi Liu, Michael Mak, Michael Murrell, Steven Tommasini, Jiangbing Zhou

FIELDS OF STUDY
Biological and medical devices, biological signals and sensors, biomaterials, biomechanics, biophotonics, computational medicine, computer vision, digital image analysis and processing, drug delivery, modeling in mechanobiology, MRI, MRS, PET and modeling, nanomedicine, network analysis, the physics of image formation (MRI, optics, ultrasound, nuclear medicine, and X-ray), physiology and human factors engineering, systems biology, systems medicine, and tissue engineering and regenerative medicine.

For admissions and degree requirements, see Engineering & Applied Science.

For course listings, see Engineering & Applied Science.