



BOSTON UNIVERSITY
DEPARTMENTS OF BIOMEDICAL ENGINEERING, ELECTRICAL
AND COMPUTER ENGINEERING, MECHANICAL ENGINEERING
MULTIPLE JUNIOR TENURE-TRACK FACULTY POSITIONS

The College of Engineering at Boston University has embarked on a bold new strategic plan to pursue excellence and societal impact along convergent and collaborative research themes in a representative and inclusive environment. The College has been nationally recognized for its commitment to diversity by the American Society for Engineering Education and the American Association for the Advancement of Science. The **Departments of Biomedical Engineering (BME), Electrical and Computer Engineering (ECE), and Mechanical Engineering (ME)** have multiple openings for **tenure-track faculty positions at the level of Assistant Professor**. Although we will consider all candidates whose work matches the research themes of the departments, these searches will focus in particular on the following convergent themes:

- **Novel Device Technologies Applied to Predictive, Digital, and Personalized Medicine.** We seek a candidate who develops and exploits breakthroughs in biosensing or medical imaging and takes advantage of AI/ML methods to improve human health. The ideal candidate would form a bridge among efforts in BME, ECE, and the Division of Systems Engineering.
- **Cellular Engineering and Manufacturing.** We seek a candidate whose interests are in cellular therapeutics for applications including immunoengineering, regenerative medicine, and bioprocessing. Candidates would likely form bridges between BME and collaborative departments and centers including ME and the University's National Emerging Infectious Disease Laboratory.

The College of Engineering is ranked 16th among private universities, with all of its individual programs ranked in the top 20. BU BME is a top-10 ranked department overall and 7th ranked among private institutions. BME is one of the largest departments in the nation, with 38 tenured or tenure-track primary faculty. We attract exceptional graduate students and faculty talent at all levels and have strong ties to the BU School of Medicine, as well as other top medical research centers in the Boston area. Research activity by primary BME faculty is over \$30M per year and well over \$50M when affiliated faculty are included. The BME department believes that the cultural and social diversity of our faculty, staff, and students is vitally important to the distinction and excellence of our research and academic programs. Our faculty benefit from strong infrastructure to translate research advances into new applications that impact society. BME faculty lead and participate in several high-profile, interdisciplinary research centers, including [the Biological Design Center](#), [the Precision Diagnostics Center](#), [BUNano](#), [the Neurophotonics Center](#), [the Center for Systems Neuroscience](#), [the Photonics Center](#), [the Hariri Center for Computational Science and Engineering](#), [the Center for Multiscale and Translational Mechanobiology](#), [the Center for Information and Systems Engineering](#), and [the NSF Engineering Research Center in Cellular Metamaterials](#).

Candidates must hold a PhD in an appropriate area, have postdoctoral experience, and show potential for leading an independent, vibrant, world-class research program. We place high value on excellence in teaching, teamwork, and outreach. We are especially eager to recruit a colleague who supports our institutional commitment to ensure an inclusive, equitable, and diverse community where all can thrive. Candidates will be expected to contribute to education at both the graduate and undergraduate levels.

For more information, please visit <http://www.bu.edu/eng/departments/bme/>, <http://www.bu.edu/eng/departments/ece/>, and <http://www.bu.edu/eng/departments/me/>.

Applicants should submit a letter of interest; a statement of research accomplishments and goals, including how collaborations can enhance their research impact; a teaching statement outlining their approach and expertise; a diversity statement describing how the candidate wishes to improve diversity and inclusion on campus and in our community; a current CV; and contact information of three references to the appropriate link below. For full consideration, applicants should upload materials before December 18, 2020.

For device technologies and personalized medicine: <https://academicjobsonline.org/ajo/jobs/17098>

For cellular engineering and manufacturing: <https://academicjobsonline.org/ajo/jobs/17099>

Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice and a commitment to broadening participation of underrepresented groups in engineering. We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor.