

Tenure-Track / Open Rank Professor in Biomedical
Engineering
University of Massachusetts, Lowell

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Posted Dec. 15, 2023, set to expire Nov. 15, 2024

Job Title	Tenure-Track / Open Rank Professor in Biomedical Engineering
Department	Biomedical Engineering
Institution	University of Massachusetts, Lowell Lowell, Massachusetts
Date Posted	Dec. 15, 2023
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professor
Academic Field(s)	Bioengineering (all Bio-related fields)
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Job Description

The Francis College of Engineering at the University of Massachusetts Lowell is searching for outstanding candidates for one full-time tenure-track Assistant/Associate/Full Professor position in Biomedical Engineering **beginning September 2024**. The college includes 120 faculty members, 30% women, and has just under 3,000 undergraduate and over 1,000 graduate students. The University serves the multicultural population of the Commonwealth and has been nationally recognized by the American Society for Engineering Education for its commitment to diversity. The University is also a Minority Serving Institution (MSI). UMass Lowell is a Carnegie Doctoral High Research (RU/H) university ranked in the top tier of US News' National Universities. The College has bachelor's, master's, and doctoral degree programs in all departments.

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The campus is situated on the banks of the Merrimack River, a beautiful and culturally diverse area and the birthplace of America's industrial revolution. Cotton mills in Lowell, the only city to be awarded national park status by the U.S. National Park Service, opened in 1814, and the city has been a hub of invention and innovation ever since. UML continues that legacy of innovation throughout the campus. Its location 30 miles northwest of Boston offers unsurpassed enrichment, including fine arts, dining, historical sites, and sports! Just north of Lowell, the grandeur of New Hampshire's White Mountains unfolds not far from the storied ski lodges of Vermont.

This new faculty will have opportunities to collaborate in research and teaching with faculty across our six departments. We value excellence and innovation in curriculum design and courses that promote experiential learning and professional skills for our students. The department currently has strong collaborations with the University of Massachusetts Chan Medical School and the Massachusetts Medical Device Development (M2D2) Center, which is located on the UML campus.

The department offers undergraduate and doctoral degrees in Biomedical Engineering, with concentrations in medical device design and cell and tissue engineering. Educational strategies include classes taught by highly qualified faculty, experiential learning such as a formal co-op program, and hands-on laboratory experiences. The department's research labs were completely renovated in 2019, and the university recently acquired state-of-the-art vivarium and animal imaging facilities with space for additional research labs.

Minimum Qualifications (Required):

- Applicants must have earned a doctoral degree in Engineering, Physics, or a closely related discipline.

For this tenure-track position in Biomedical Engineering, we seek candidates at all Professor rank levels with expertise in one or more of the following areas:

- Medical Devices: design, manufacturing, sustainability, human factors, robotics, automation
- Cell and Tissue Engineering: translational applications, regenerative medicine, neural engineering
- Biomechanics: experimental, computational, whole-body, cell and tissue, sports, occupational

Faculty applicants should provide strong interdisciplinary research and education experience that enhances the BME Department's strengths in medical devices, cell and tissue engineering, and biomechanics.

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Preferred Qualifications:

- Record of successful teaching experience at the college level
- Demonstrated excellence in research and publication
- Postdoctoral research and previous experience working with industry

Additional Considerations:

- Commitment to developing and sustaining a robust externally funded research program
- Dedication to teaching undergraduate and graduate levels in Biomedical Engineering
- The ability to work effectively with diverse groups of students and faculty
- Candidates with experience in engineering education and the design of effective and inclusive pedagogical approaches will be given strong consideration

The University of Massachusetts Lowell is committed to increasing diversity in its faculty, staff, and student populations and in curriculum and support programs while promoting an inclusive and nurturing environment. We seek candidates who can contribute to this goal and encourage them to apply and identify their strengths in these areas. All applicants must submit a diversity statement describing how they can support UMass Lowell's commitment to diversity, equity, inclusion (DEI), justice, and belonging. Describe how your teaching, service, research, and/or leadership (as applicable) has supported the success of students and/or colleagues; and/or describe the impact others have had on you relating to DEI and your plans for supporting DEI.

Special Instructions to Applicants:

Applications received by January 15, 2024, will be considered in the first review of candidates. However, later applications may be considered for this position. The search will close after an adequate number of qualified applications is received.

Please include the following documents with your application:

- Curriculum Vitae
- Cover Letter
- Research Statement
- Teaching Statement/Philosophy
- Diversity Statement
- Publications in peer-reviewed journals (three significant, relevant publications). Please upload publications into one file.

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- Names and contact information of three references will be required at the time of application.

EEO/AA Policy

The University of Massachusetts Lowell is an Equal Opportunity/Affirmative Action, Title IX employer. All qualified applicants will receive consideration for employment without regard to race, sex, color, religion, national origin, ancestry, age over 40, protected veteran status, disability, sexual orientation, gender identity/expression, marital status, or other protected class.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact