

Assistant/Associate Professor
University of Connecticut

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Posted Nov. 20, 2024, set to expire Mar. 22, 2025

Job Title	Assistant/Associate Professor
Department	Biomedical Engineering (BME) Department
Institution	University of Connecticut Storrs, Connecticut
Date Posted	Nov. 20, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor Associate Professor
Academic Field(s)	Bioengineering (all Bio-related fields)
Apply Online Here	https://jobs.hr.uconn.edu/en-us/job/498742/assistantassociate-professor
Apply By Email	
Job Description	

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INTRODUCTION

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The Biomedical Engineering (BME) Department in the College of Engineering at the University of Connecticut (UConn) invites applications for a tenure-track faculty position at the Assistant or Associate level, with an expected start date of August 23, 2025. The BME Department offers an ABET - accredited bachelor's degree, as well as MS and PhD degrees in BME. Candidates who pursue fundamental questions in any area of machine learning science and engineering, including artificial intelligence (AI), and have clear interest and track-record in translating AI developments to the biological, biomedical, or clinical domain are strongly encouraged to apply. Candidates with a demonstrable potential and/or record of achievement in the following biomedical research areas are also encouraged to apply for the position:

Biomaterials with emphasis on tissue engineering and immunomodulation by biomimetic scaffolds with novel biomaterials design, fabrication and local drug delivery to support tissue regeneration.

Biomechanics (experimental or computational methods) with clinical applications.

Biomedical Imaging, Physiological Monitoring, and Instrumentation with emphasis on imaging hardware and device / system development for clinical applications.

Computational and Systems Biology / Bioinformatics and Systems Genomics with emphasis on machine learning, mathematical models, simulations and artificial intelligence

Neural Engineering with emphasis on brain machine interfaces, neural control and modulation systems, neural prosthetics applications, and neural imaging/sensor applications.

The successful candidate will be expected to contribute to research & scholarship through extramural funding, high quality publications, impact as measured through citations, and national or international recognition through honorific awards. In the area of teaching, the successful candidate will share a deep commitment to effective instruction at the undergraduate and graduate levels, development of innovative courses and mentoring of students in research, outreach and professional development. Successful candidates will also be expected to broaden participation among members of under-represented groups; demonstrate through their research, teaching, and/or public engagement the richness of diversity in the learning experience; integrate multicultural experiences into instructional methods and research tools; and demonstrate leadership in developing pedagogical techniques designed to meet the needs of diverse learning styles and intellectual interests.

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Founded in 1881, the UConn is a Land Grant and Sea Grant institution and member of the Space Grant Consortium. It is the state's flagship institution of higher education and includes a main campus in Storrs, CT, four regional campuses throughout the state, and 13 Schools and Colleges, including a Law School in Hartford, and Medical and Dental Schools at the UConn Health campus in Farmington. The University has approximately 10,000 faculty and staff and 32,000 students, including nearly 24,000 undergraduates and over 8,000 graduate and professional students. UConn is a Carnegie Foundation R1 (highest research activity) institution, among the top 25 public universities in the nation. Through research, teaching, service, and outreach, UConn embraces diversity and cultivates leadership, integrity, and engaged citizenship in its students, faculty, staff, and alumni. UConn promotes the health and well-being of citizens by enhancing the social, economic, cultural, and natural environments of the state and beyond. The University serves as a beacon of academic and research excellence as well as a center for innovation and social service to communities. UConn is a leader in many scholarly, research, and innovation areas. Today, the path forward includes exciting opportunities and notable challenges. Record numbers of undergraduate applications and support for student success have enabled the University to become extraordinarily selective.

MINIMUM QUALIFICATIONS

- An earned doctorate or international equivalent in Biomedical Engineering, Computer Science, Electrical Engineering or an engineering discipline closely related to Biomedical Engineering.
- An outstanding scholarly record, including publications in leading journals, and demonstrated potential and/or record of achievement in the research areas identified above.
- A record of or demonstrated potential in establishing a successful, externally funded research program.
- A record of or demonstrated potential for excellence in teaching at the undergraduate and graduate level.
- Excellent verbal and written communication skills.
- A commitment to enhance inclusion and broaden participation among members of under-represented groups as demonstrated through research, teaching, and/or public engagement.

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PREFERRED QUALIFICATIONS

- Expertise in preferred area of artificial intelligence, machine learning science and engineering.
- Experience in developing research grant applications to funding agencies.
- Research credentials that complement existing faculty expertise.
- Experience in collaboration with industry.
- Active participation in major professional societies and international meetings.
- An established record of excellence in teaching.

APPOINTMENT TERMS

This is a full-time, 9-month, tenure-track position at the rank of assistant or associate professor with an anticipated start date of August 23, 2025. The successful candidates' primary academic appointment will be in the College of Engineering at the UConn Storrs campus. Rank and salary will be commensurate with qualifications and experience.

TERMS AND CONDITIONS OF EMPLOYMENT

Employment of the successful candidate is contingent upon the successful completion of a pre-employment criminal background check.

TO APPLY

Go to [Faculty Openings | Human Resources \(uconn.edu\)](#) College of Engineering, Department of Biomedical Engineering and click on the Apply Link to submit the following application materials:

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A cover letter

- **Full curriculum vitae** including a complete record of Federal funding and journal publications
- **Research and scholarship statement** (innovative concepts that will form the basis of academic career, experience in proposal development, mentorship of graduate students, etc.);
- **Teaching statement** (including teaching philosophy, teaching experience, commitment to effective learning, concepts for new course development, etc.);
- **Commitment to diversity statement** (including broadening participation, integrating multicultural experiences in instruction and research and pedagogical techniques to meet the needs of diverse learning styles, etc.);
- Contact information for **5 letters of reference**.

Evaluation of applicants will begin immediately. Applications will continue to be reviewed until the position is filled.

For more information regarding Biomedical Engineering at UConn, please visit <https://www.bme.uconn.edu/>.

For questions regarding this position, prospective applicants should contact Ms. Birgit Sawstrom (birgit.sawstrom@uconn.edu).

At the University of Connecticut, our commitment to excellence is complemented by our commitment to building a culturally diverse community.

This position will be filled subject the budgetary approval.

All employees are subject to adherence to the State Code of Ethics which may be found at <http://www.ct.gov/ethics/site/default.asp>.



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All members of the University of Connecticut are expected to exhibit appreciation of, and contribute to, an inclusive, respectful, and diverse environment for the University community.

The University of Connecticut aspires to create a community built on collaboration and belonging and has actively sought to create an inclusive culture within the workforce. The success of the University is dependent on the willingness of our diverse employee and student populations to share their rich perspectives and backgrounds in a respectful manner. This makes it essential for each member of our community to feel secure and welcomed and to thoroughly understand and believe that their ideas are respected by all. We strongly respect each individual employee's unique experiences and perspectives and encourage all members of the community to do the same. All applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

The University of Connecticut is an AA/EEO Employer.

Contact Information

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

Contact