

Assistant/Associate/Full Professor - Biomedical
Engineering
University of Wisconsin, Madison

Direct Link: <https://www.AcademicKeys.com/r?job=243634>

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Posted Aug. 23, 2024, set to expire Nov. 8, 2024

Job Title	Assistant/Associate/Full Professor - Biomedical Engineering
Department	Biomedical Engineering https://engineering.wisc.edu/departments/biomedical-engineering/
Institution	University of Wisconsin, Madison Madison, Wisconsin
Date Posted	Aug. 23, 2024
Application Deadline	Nov. 8, 2024
Position Start Date	Aug. 18, 2025
Job Categories	Professor
Academic Field(s)	Bioengineering (all Bio-related fields)
Job Website	https://jobs.wisc.edu/jobs/assistant-associate-full-professor-biomedical-engineering-madison-wisconsin-united-states
Apply Online Here	https://jobs.wisc.edu/jobs/assistant-associate-full-professor-biomedical-engineering-madison-wisconsin-united-states
Apply By Email	
Job Description	

Job Summary:

The Department of Biomedical Engineering at the University of Wisconsin-Madison seeks to fill a

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tenure-track position at any level in the area of artificial intelligence/machine learning driven computational approaches in the design and application of tissue engineered "biomimetic twins", i.e. novel models of human organ function or dysfunction that would accurately predict the influence of external factors. Additionally, a candidate whose research in this field complements the department's existing strengths in Tissue Engineering, Cellular Engineering, Neuroengineering, Biomechanics, Biomedical Imaging and Optics, and Medical Micro technologies would be of particular interest. The candidate's research should have clear implications for improving human health. The ideal candidate will be interested in collaborative work with existing centers and faculty in the Department of Biomedical Engineering and throughout campus.

The Department of Biomedical Engineering advances the mission of the College of Engineering to foster a respectful, diverse, equitable and inclusive environment.

Responsibilities:

Developing an innovative research program in AI/ML driven tissue engineering approaches; teaching and developing undergraduate and graduate courses in Biomedical Engineering, to foster the learning of a diverse student population; mentoring graduate students, and supervising their research; participating in departmental and university faculty governance; participating in outreach and service in industry and government; and contributing to professional and public services.

Institutional Statement on Diversity:

Diversity is a source of strength, creativity, and innovation for UW-Madison. We value the contributions of each person and respect the profound ways their identity, culture, background, experience, status, abilities, and opinion enrich the university community. We commit ourselves to the pursuit of excellence in teaching, research, outreach, and diversity as inextricably linked goals.

The University of Wisconsin-Madison fulfills its public mission by creating a welcoming and inclusive community for people from every background - people who as students, faculty, and staff serve Wisconsin and the world.

For more information on diversity and inclusion on campus, please visit: [Diversity and Inclusion](#)

Education:

Required
PhD

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Biomedical Engineering, Mechanical Engineering, Chemical Engineering, Electrical Engineering, Biological Sciences, Physical Sciences or related field, with demonstrated excellence in research and teaching appropriate for appointment level.

Qualifications:

Candidate will have a demonstrated record of academic achievement such as peer-reviewed publications and grant awards appropriate for the appointment level, exceptional potential in establishing a world-class research program in AI/ML approaches to tissue engineering, and a commitment to high-quality and inclusive undergraduate and graduate teaching, learning and mentoring. Associate and Full professor candidates must possess experience and scholarly credentials that meet the tenure standards of the UW-Madison Divisional Committee and of the College of Engineering.

Work Type:

Full Time: 100%

Appointment Type, Duration:

Ongoing/Renewable

Anticipated Begin Date:

AUGUST 18, 2025

Salary:

Minimum \$114,000 ACADEMIC (9 months)

Depending on Qualifications

Additional Information:

The Department of Biomedical Engineering in the College of Engineering at UW-Madison enrolls approximately 650 undergraduate students and 120 MS and PhD students from all over the world. The Department has 24 Primary Faculty, 62 Affiliate Faculty, 5 Teaching Faculty, 3 Emeritus Faculty, and 16 Staff, with state expenditures exceeding \$2.5 million annually and research expenditures exceeding \$10 million annually. The University of Wisconsin-Madison has a long history of interdisciplinary collaboration between departments and colleges as well as a strong commitment to promoting diversity

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and engaging in inclusive practices in our learning and research environments. A faculty member recruited in this specialty area will have the opportunity to closely collaborate with clinical and basic science faculty in College of Engineering, the School of Medicine and Public Health, the School of Pharmacy, the School of Nursing, School of Veterinary Medicine, as well as from multiple research centers at UW-Madison, including the Carbone Cancer Center, Stem Cell and Regenerative Medicine Center, Cardiovascular Research Center, and McPherson Eye Institute.

The department plans to hire one position.

How to Apply:

Please apply directly to website by clicking on "Apply Now." Upload a SINGLE PDF document containing a cover letter, a detailed curriculum vitae (CV) including a complete list of publications, and names and contact information of three references. Applicants should also include a maximum three-page research statement and a one-page teaching statement describing how the applicant's research and teaching goals fit the solicitation described above.

The deadline for assuring full consideration is November 8, 2024. However, these positions will remain open, and applications may be considered until these positions are filled.

Employment will require an institutional reference check regarding any misconduct. To be considered, applicants must upload a signed 'Authorization to Release Information' form as part of the application. The authorization form and a definition of 'misconduct' can be found here:

<https://hr.wisc.edu/institutional-reference-check/>

Contact:

Mondira Saha-Muldowney

mondira.sahamuldowney@wisc.edu

Relay Access (WTRS): 7-1-1. See [RELAY_SERVICE](#) for further information.

Official Title:

Professor(FA020) or Associate Professor(FA030) or Assistant Professor(FA040)

Department(s):



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A19-COLLEGE OF ENGINEERING/BIOMEDICAL ENGR

Employment Class:

Faculty

Job Number:

304319-FA

EEO/AA Policy

The University of Wisconsin-Madison is an Equal Opportunity and Affirmative Action Employer.

Qualified applicants will receive consideration for employment without regard to, including but not limited to, race, color, religion, sex, sexual orientation, gender identity, national origin, age, pregnancy, disability, or status as a protected veteran and other bases as defined by federal regulations and UW System policies. We promote excellence through diversity and encourage all qualified individuals to apply.

If you need to request an accommodation because of a disability, you can find information about how to make a request at the following website: <https://employeedisabilities.wisc.edu/disability-accommodation-information-for-applicants/>

Employment will require a criminal background check. It will also require you and your references to answer questions regarding sexual violence and sexual harassment.

The University of Wisconsin System will not reveal the identities of applicants who request confidentiality in writing, except that the identity of the successful candidate will be released. See Wis. Stat. sec. 19.36(7).

The [Annual Security and Fire Safety Report](#) contains current campus safety and disciplinary policies,

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crime statistics for the previous 3 calendar years, and on-campus student housing fire safety policies and fire statistics for the previous 3 calendar years. UW-Madison will provide a paper copy upon request; please contact the [University of Wisconsin Police Department](#).

Contact Information

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

Contact Mondira Saha-Muldowney
Biomedical Engineering
University of Wisconsin, Madison
Madison, WI

Contact E-mail mondira.sahamuldowney@wisc.edu