

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

Direct Link: <https://www.AcademicKeys.com/r?job=246737>

Downloaded On: Oct. 19, 2024 1:21pm

Posted Oct. 8, 2024, set to expire Feb. 9, 2025

<b>Job Title</b>	Assistant/Associate/Full Professor - Biomedical Engineering
<b>Department</b>	Biomedical Engineering
<b>Institution</b>	University of Wisconsin, Madison Madison, Wisconsin
<b>Date Posted</b>	Oct. 8, 2024
<b>Application Deadline</b>	Dec. 6, 2024
<b>Position Start Date</b>	August 2025
<b>Job Categories</b>	Professor
<b>Academic Field(s)</b>	Bioengineering (all Bio-related fields)
<b>Job Website</b>	<a href="https://jobs.wisc.edu/jobs/assistant-associate-full-professor-biomedical-engineering-madison-wisconsin-united-states-93027e6a-e565-4522-a3b1-a7052c8455d0">https://jobs.wisc.edu/jobs/assistant-associate-full-professor-biomedical-engineering-madison-wisconsin-united-states-93027e6a-e565-4522-a3b1-a7052c8455d0</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

### Job Summary:

The Wisconsin Research, Innovation and Scholarly Excellence (RISE) Initiative is designed to help address significant, complex challenges of particular importance to Wisconsin and the world, through accelerated and strategic faculty hiring, research infrastructure enhancement, interdisciplinary collaboration and increased student and educational opportunities. RISE-THRIVE, which stands for Transforming Healthspan through Research, Innovation, and Education, is set to harness and grow the university's reputation as a global powerhouse in interdisciplinary health research - translating both

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medical discoveries and innovative social science approaches into tangibly healthier lives for Wisconsinites and people and communities around the world.

The Department of Biomedical Engineering at the University of Wisconsin-Madison seeks applicants at all ranks in the general area of Immune System-Microbiome Interactions in Health and Disease. Specific areas of interest include (1) developing tissue engineering and/or microphysiological models, (2) developing engineering strategies to target the human microbiome to restore and modulate immune functions, (3) developing engineering approaches to understand the complex interactions between microbes, host tissues, and immune cells which occur in the context of the extracellular matrix and (4) developing imaging and biophotonics approaches to assess interactions within interdomain communities. 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 developing engineering approaches to study immune system-microbiome interactions; 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:**

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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

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

### **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 to study immune system-microbiome interactions, 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%

It is anticipated this position requires work be performed in-person, onsite, at a designated campus work location.

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**Appointment Type, Duration:**

Ongoing/Renewable

**Anticipated Begin Date:**

AUGUST 18, 2025

**Salary:**

Negotiable

ACADEMIC (9 months)

**Additional Information:**

This position is part of the Wisconsin Research, Innovation and Scholarly Excellence (RISE) Initiative. Through accelerated and strategic faculty hiring, research infrastructure enhancement, interdisciplinary collaboration, and increased student and educational opportunities, RISE addresses complex societal challenges of importance to the state, nation and world. Building on UW-Madison's strengths, RISE expands the University's successful track record of connecting with communities and industry on collaborative solutions.

Over the next three academic years, UW-Madison will substantially increase current hiring levels, bringing 150 new RISE faculty to campus. Candidates hired through RISE will join a community of scholars working across disciplines, schools and colleges on research, teaching and outreach endeavors. The community will engage regularly in venues such as seminar series and colloquia to share ongoing projects and identify opportunities to work together. The University will support the community, facilitating access to research infrastructure, and funding to support broad and rich collaboration. Further information regarding RISE can be found at: <https://rise.wisc.edu/>

Within the College of Engineering, the RISE-THRIVE program will bring up to four new faculty to campus in the current search. In addition to this position, the Departments of Chemical and Biological Engineering, Industrial and Systems Engineering, and Mechanical Engineering will be seeking candidates with related research activities. Applicants to this position will be encouraged to collaborate with new and existing faculty members of the College of Engineering and elsewhere on campus, thereby building an enhanced community of healthspan researchers. A faculty member recruited in this specialty area will also have the opportunity to closely collaborate with clinical and basic science

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faculty in the College, 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 Carbone Cancer Center, Stem Cell and Regenerative Medicine Center, Cardiovascular Research Center, and McPherson Eye Institute.

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 and engaging in inclusive practices in our learning and research environments.

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 letter of interest, 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 December 6, 2024. However, these positions will remain open, and applications may be considered until this position is 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](mailto:mondira.sahamuldowney@wisc.edu)

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

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**Official Title:**

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

**Department(s):**

A19-COLLEGE OF ENGINEERING/BIOMEDICAL ENGR

**Employment Class:**

Faculty

**Job Number:**

306830-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

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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, 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