

Assistant Professor - AI in the Molecular Life Sciences  
Worcester Polytechnic Institute

Direct Link: <https://www.AcademicKeys.com/r?job=247914>

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Posted Oct. 30, 2024, set to expire Feb. 26, 2025

<b>Job Title</b>	Assistant Professor - AI in the Molecular Life Sciences
<b>Department</b>	
<b>Institution</b>	Worcester Polytechnic Institute Worcester, Massachusetts
<b>Date Posted</b>	Oct. 30, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Assistant Professor
<b>Academic Field(s)</b>	Biology - Biochemistry Biology - General
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**Job Description**

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**JOB TITLE**

Assistant Professor - AI in the Molecular Life Sciences

**LOCATION**

Worcester

**DEPARTMENT NAME**

Chemistry & Biochemistry Department

**DIVISION NAME**

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Worcester Polytechnic Institute - WPI

### **JOB DESCRIPTION SUMMARY**

The Department of Chemistry and Biochemistry at Worcester Polytechnic Institute invites applications for a tenure-track faculty position at the rank of Assistant Professor. We are seeking a highly motivated and collaborative individual with expertise in applying computational tools and artificial intelligence, alongside experimental approaches, to study molecular behavior relevant to the life sciences.

WPI is a diverse campus of learners passionate about creating an inclusive workplace that promotes and values diversity. We are looking for candidates who can support our commitment to equity, diversity, and inclusion.

### **JOB DESCRIPTION**

The Department of Chemistry and Biochemistry is a multidisciplinary program which offers degrees at both the undergraduate (B.S.) and graduate level (M.S. and Ph.D.). The Department is located at Gateway Park, a modern research hub, which offers excellent research infrastructure, including computational facilities. Research strengths include a focus on elucidating basic science at and proximal to cellular membranes, drug discovery, development of biomaterials and diagnostic tools as well as (bio)chemistry education. Faculty are regularly funded by the NIH, NSF, DOD, DOE and various corporate sponsors.

Applicants should have a strong background in cheminformatics, with experience in utilizing computer technology and AI to study molecular binding to targets, protein folding, structural analysis, and/or homology comparison. We are particularly interested in candidates who can apply these skills to solve complex problems in molecular science, including drug discovery. The successful candidate is expected to develop an externally funded research program leading to national and international recognition, to teach chemistry and/or biochemistry at both the undergraduate and graduate levels, to participate in WPI's signature project-based curriculum, and to contribute to the operation and promotion of the department, university, and the profession.

WPI's reputation as a rigorous and innovative university rests on the shoulders of its faculty. A highly selective, private technological university and one of the nation's first, WPI believes that when great minds work together, great advances follow. At WPI the boundaries to multidisciplinary collaboration are low. Faculty members, students, and other partners work together on real-world projects and purposeful research that are hallmarks of the WPI experience. WPI is consistently ranked among the top 70 research institutions by US News & World Report. Located one hour west of Boston, the

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university's campus is in Worcester, Massachusetts, a thriving 21st century college city recognized as a growing hub of scientific and technological innovation, particularly the areas of life sciences, health and pharmaceuticals. Applicants will have the opportunity to interface with WPI's newly launched program in Artificial Intelligence. WPI offers highly competitive salary and benefits.

**Application Process:** Applicants should submit a cover letter, curriculum vitae, a research statement, a teaching philosophy statement, and contact information for three references.

Applications will be reviewed on a rolling basis, but preference will be given to those received by December 1, 2024.

### FLSA STATUS

United States of America (Exempt)

**WPI is an Equal Opportunity Employer that actively seeks to increase the diversity of its workplace. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. It seeks individuals with diverse backgrounds and experiences who will contribute to a culture of creativity, collaboration, inclusion, problem solving, innovation, high performance, and change making. It is committed to maintaining a campus environment free of harassment and discrimination.**

**To apply, visit:** [https://wpi.wd5.myworkdayjobs.com/en-US/WPI\\_External\\_Career\\_Site/job/Worcester/Assistant-Professor---AI-in-the-Molecular-Life-Sciences\\_R0003001](https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/Assistant-Professor---AI-in-the-Molecular-Life-Sciences_R0003001)

### About WPI

WPI is a vibrant, active, and diverse community of extraordinary students, world-renowned faculty, and state of the art research facilities. At WPI, we have competitive and comprehensive benefits, including health insurance, long-term care, retirement, tuition assistance, flexible spending accounts, work-life balance and much more.

### Diversity & Inclusion at WPI

WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet departmental and institutional goals. WPI thrives on innovative practice and welcomes diverse

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perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace.

**Contact Information**

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

**Contact**

N/A

Worcester Polytechnic Institute

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