

Post-Doctoral Fellow Worcester Polytechnic Institute

Direct Link: <https://www.AcademicKeys.com/r?job=262032>

Downloaded On: Sep. 6, 2025 9:59pm

Posted Sep. 4, 2025, set to expire Jun. 30, 2026

Job Title	Post-Doctoral Fellow
Department	Biomedical Engineering - NFR JM
Institution	Worcester Polytechnic Institute Worcester, Massachusetts

Date Posted	Sep. 4, 2025
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Application Deadline	Open until filled
Position Start Date	Available immediately

Job Categories	Post-Doc
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Academic Field(s)	Bioengineering (all Bio-related fields)
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Job Description

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JOB TITLE

Post-Doctoral Fellow

LOCATION

Worcester

DEPARTMENT NAME

Biomedical Engineering - NFR JM

DIVISION NAME

Worcester Polytechnic Institute - WPI

JOB DESCRIPTION SUMMARY

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The Artificial Intelligence and Modeling Lab for Cardiovascular Diseases (AIMCardio Lab) at Worcester Polytechnic Institute is seeking a highly motivated Postdoctoral Researcher with a passion for experimental flow modeling and its applications in cardiovascular diseases and medical devices.

- This is a full-time, one-year appointment with the potential for renewal based on performance.

JOB DESCRIPTION

About AIMCardio Lab

Our lab focuses on fluid-structure interaction (computational and experimental) and its applications in cardiovascular health and medical device innovation. We collaborate with leading U.S. hospitals (e.g., Children's Hospital of Philadelphia, Boston Children's Hospital, UMass Chan Medical School) and top medical device companies (e.g., Abbott, Edwards Lifesciences, Boston Scientific, Medtronic).

Learn more: AIMCardioLab.wpi.edu

Required Qualifications

Ph.D. (or equivalent) in Mechanical, Biomedical, Electrical, or Aerospace Engineering, Applied Mathematics, or related fields

Experience with experimental flow visualization techniques (e.g., Particle Image Velocimetry - PIV)

Preferred Qualifications

- Design and execute original experimental procedures
- Analyze and report experimental data; publish in high-impact journals
- Lead and mentor graduate and undergraduate students
- Contribute to grant writing (NIH, NSF) and industry collaborations
- Engage in innovation-driven projects with commercialization potential

FLSA STATUS

United States of America (Exempt)

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender

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identity, national origin, veteran status, or disability. It seeks individuals from all 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/Post-Doctoral-Fellow_R0003247

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 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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