

Postdoctoral Fellow in Computational Clinical Cardiac  
Electrophysiology  
Worcester Polytechnic Institute

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Posted Mar. 31, 2025, set to expire Jul. 3, 2025

<b>Job Title</b>	Postdoctoral Fellow in Computational Clinical Cardiac Electrophysiology
<b>Department</b>	Biomedical Engineering Department
<b>Institution</b>	Worcester Polytechnic Institute Worcester, Massachusetts
<b>Date Posted</b>	Mar. 31, 2025
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Statistics & Actuarial Science Mathematics/Applied Mathematics Computer/Information Sciences
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**Job Description**

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**JOB TITLE**

Postdoctoral Fellow in Computational Clinical Cardiac Electrophysiology

**LOCATION**

Worcester

**DEPARTMENT NAME**

Biomedical Engineering Department - NFR JM

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**DIVISION NAME**

Worcester Polytechnic Institute - WPI

**JOB DESCRIPTION SUMMARY**

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**Core Duties:**

- Collaborate closely with the principal investigator to design and implement research studies.
- Examine experimental and clinical data, maintaining meticulous laboratory records.
- Consistently share findings with the principal investigator and fellow researchers.
- Aid in crafting technical reports, drafting grant proposals, and preparing scientific presentations.
- Play a pivotal role in peer-reviewed publications, as both a lead and co-author.
- Provide mentorship to both undergraduate and graduate students.
- Collaborate with a diverse team of research specialists.

**Preferred Qualifications:**

- A Ph.D. in electrical engineering, computer science & engineering, applied statistics/mathematics, or a closely related field; familiarity with cardiac electrophysiology modeling is advantages.
- A solid background and interest in numeric optimization, statistical inference, and machine learning and deep learning techniques.
- Proficiency in programming language (e.g., Python, C++, C#).
- Excellent interpersonal, communication and collaboration skills.

**Application Instructions:**

Interested candidates are encouraged to submit a cover letter (1 page), curriculum vitae (no page limit), and a 2-page statement detailing research interests and experience.

Contact: For further details, please reach out to Dr. Shijie Zhou at [szhou12@wpi.edu](mailto:szhou12@wpi.edu).

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**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/Postdoctoral-Fellow-in-Computational-Clinical-Cardiac-Electrophysiology\\_R0002959](https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/Postdoctoral-Fellow-in-Computational-Clinical-Cardiac-Electrophysiology_R0002959)

**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

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applying for or inquiring about this job announcement.

**Contact**

N/A

Worcester Polytechnic Institute

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