

Postdoctoral Fellow in Computational Clinical Cardiac
Electrophysiology
Worcester Polytechnic Institute

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

Job Title	Postdoctoral Fellow in Computational Clinical Cardiac Electrophysiology
Department	Biomedical Engineering Department
Institution	Worcester Polytechnic Institute Worcester, Massachusetts
Date Posted	Mar. 31, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	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.

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Application Deadline: Screening of applications will continue until the position is filled.

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

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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