

Research Scientist - Experimental Flow Modeling Worcester Polytechnic Institute

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Posted Jul. 18, 2024, set to expire Nov. 9, 2024

Job Title	Research Scientist - Experimental Flow Modeling
Department	Biomedical Engineering
Institution	Worcester Polytechnic Institute Worcester, Massachusetts
Date Posted	Jul. 18, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Computer Science Bioengineering (all Bio-related fields)
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JOB TITLE

Research Scientist - Experimental Flow Modeling

LOCATION

Worcester

DEPARTMENT NAME

Biomedical Engineering NFR-JM

DIVISION NAME

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Worcester Polytechnic Institute - WPI

JOB DESCRIPTION SUMMARY

The Artificial Intelligence and Modeling Lab for Cardiovascular Diseases (AIMCardio Lab) at Worcester Polytechnic Institute (WPI) is currently offering one research scientist position. We seek candidates who are self-motivated, reliable, energetic, and passionate about experimental flow modeling and its applications for cardiovascular diseases and medical devices.

WPI is 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

AIMCardio Lab has long-standing collaborations with several U.S. hospitals (Geisinger Medical Center, Children's Hospital of Philadelphia, Boston Children's Hospital, Children's Hospital of Atlanta, etc.) and medical device companies.

Required Qualifications

Experience with flow visualization techniques, such as Particle Image Velocimetry (PIV)

Preferred Qualifications

- Conduct a variety of team-oriented and independent investigations in the planning, development, and implementation of original experimental procedures within the overall scope of the research project.
- Collect, analyze and report on experimental data; create and maintain accurate and timely records of test results and protocol design; publish research findings in conference proceedings and high-impact research journals.
- Exercise independent responsibility for project outcomes, and design research for others to conduct.
- Participate in industry projects.
- Work on innovation oriented technological projects with potential for commercialization.

Mentor graduate students, undergraduate students, and technicians.

FLSA STATUS

United States of America (Exempt)

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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/Research-Scientist---Experimental-Flow-Modeling_R0002706

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.

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Contact Information

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

Contact

N/A

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