

Multiple Postdoc Openings for Cardiovascular Fluid
Mechanics
Worcester Polytechnic Institute

Direct Link: <https://www.AcademicKeys.com/r?job=232421>

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Posted Mar. 5, 2024, set to expire Jul. 12, 2024

Job Title	Multiple Postdoc Openings for Cardiovascular Fluid Mechanics
Department	Department of Biomedical Engineering
Institution	Worcester Polytechnic Institute Worcester , Massachusetts
Date Posted	Mar. 5, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Mechanical Engineering Bioengineering (all Bio-related fields)

Apply By Email

Job Description

Artificial Intelligence and Modeling Lab for Cardiovascular Diseases (AIMCardio Lab), at the Worcester Polytechnic Institute, is currently offering one Postdoc position.

We seek candidates who are self-motivated, reliable, energetic, and passionate about fluid-structure interaction (both computational and experimental) and its applications for cardiovascular diseases and medical devices.

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 (Abbott, Medtronic, Boston Scientific, Phillips, etc).

Please refer to the latest research at: AIMCardioLab.wpi.edu

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Required Qualifications

- A PhD or equivalent degree in engineering (Mechanical, Biomedical, Electrical, and Aerospace), applied mathematics, or related fields.
- Experience with flow visualization techniques, such as Particle Image Velocimetry (PIV), OR experience with fluid-structure interaction simulation.

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.
- Actively participate in soliciting funds through various federally funded research grant mechanisms (NIH, NSF etc.), and translational research funds.
- Participate in industry projects.
- Work on innovation oriented technological projects with potential for commercialization.
- Mentor graduate students, undergraduate students, and technicians.

Review of applications will begin immediately. Please send a single PDF containing the following items to ZhenglunAlan_Wei@uml.edu with a "Postdoc Application" in the subject line.

- Curriculum Vitae
- Transcripts from Bachelor, Master, and PhD degrees (if applicable)
- Three representative journal articles

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Contact Information

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

Contact

Worcester, MA