

Multiple Postdoc Openings for Cardiovascular Fluid  
Mechanics  
Worcester Polytechnic Institute

Direct Link: <https://www.AcademicKeys.com/r?job=232420>

Downloaded On: Jul. 3, 2024 3:54am

Posted Mar. 6, 2024, set to expire Jul. 12, 2024

<b>Job Title</b>	Multiple Postdoc Openings for Cardiovascular Fluid Mechanics
<b>Department</b>	Department of Biomedical Engineering
<b>Institution</b>	Worcester Polytechnic Institute Worcester , Massachusetts
<b>Date Posted</b>	Mar. 6, 2024
<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>	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](http://AIMCardioLab.wpi.edu)

## Multiple Postdoc Openings for Cardiovascular Fluid Mechanics Worcester Polytechnic Institute

Direct Link: <https://www.AcademicKeys.com/r?job=232420>

Downloaded On: Jul. 3, 2024 3:54am

Posted Mar. 6, 2024, set to expire Jul. 12, 2024

### 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](mailto: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

Multiple Postdoc Openings for Cardiovascular Fluid  
Mechanics  
Worcester Polytechnic Institute

Direct Link: <https://www.AcademicKeys.com/r?job=232420>

Downloaded On: Jul. 3, 2024 3:54am

Posted Mar. 6, 2024, set to expire Jul. 12, 2024

**Contact Information**

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

**Contact**

Worcester, MA