

Post-doctoral Researcher
Michigan Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=229668>

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Posted Jan. 29, 2024, set to expire May 30, 2024

Job Title	Post-doctoral Researcher
Department	Biomedical Engineering https://www.mtu.edu/biomedical/
Institution	Michigan Technological University Houghton, Michigan
Date Posted	Jan. 29, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Engineering Physics Engineering Mechanics Computer Engineering Computer Science Bioengineering (all Bio-related fields) Engineering - Other
Apply Online Here	https://www.employment.mtu.edu/en-us/job/493063/postdoctoral-scholar-medical-image-analysis-and-visualization
Apply By Email	
Job Description	

With the collaborative efforts by the Michigan Technological University (Biomedical Engineering), Spectrum Health (Cardiology), University of Wisconsin (Medical Physics, Neurosurgery, and Radiology), University of Michigan (Neurosurgery and Radiology), and Mayo Clinic (Cardiovascular

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Medicine, Neurosurgery, and Radiology), my lab focuses on computational biomedical engineering, particularly in data analytics for cardiovascular disease. We seek motivated individuals to participate actively in machine learning, medical image analysis, and computer modeling. Those positions offer opportunities for integrating engineering, applied math, and computer science with medicine and medical imaging.

Qualifications:

The qualified candidate should have a doctoral degree in engineering, computer science, physics, math, or a closely related field. The candidate is expected to be highly motivated, with a strong interest in computer programming. Expertise at least in two of the following areas below is required:

- Strong programming skills with Python and C++
- Experience in GPU programming
- Experience in machine learning and statistical analysis, particularly deep-learning-based artificial intelligence
- Experience in medical imaging processing, e.g., multimodality fusion and registration, motion tracking
- Experience in computer modeling, e.g., computational biomechanics and computational physics
- Experience in optimization, numerical solution of optimization problems
- Experience in augmented reality or virtual reality

If you are more interested in research related to computational modeling and physics, you can formally apply for the position through the link below:

<https://www.employment.mtu.edu/en-us/job/493062/postdoctoral-scholar-computational-biomedical-engineering>

If your interest is close to medical image analysis and visualization, please use the following link:

<https://www.employment.mtu.edu/en-us/job/493063/postdoctoral-scholar-medical-image-analysis-and-visualization>

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All qualified applicants, especially candidates from groups that are underrepresented in biomedical research, are encouraged to apply.

Inquiries should be sent to:

Jingfeng Jiang, PhD

Dept. of Biomedical Engineering

Michigan Technological University

Email: jjiang1@mtu.edu

EEO/AA Policy

Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer that provides equal opportunity for all, including protected veterans and individuals with disabilities

Contact Information

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

Contact Please Contact JJ Jiang, PhD Via Email for Questions
Biomedical Engineering
Michigan Technological University
M&M 309, 1400 Townsend Drive

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