

PhD and Postdoc Positions in Computational Modeling in Biomechanics Lab at Medical College of Wisconsin

The Biomechanics Lab in the Joint Department of Biomedical Engineering at Marquette University and Medical College of Wisconsin is recruiting **PhD students and Postdoctoral Research Associates** starting in Spring 2023 to work in biomechanics and biomedical engineering research. The successful candidates will work on and contribute to ongoing research that solves problems related to the cardiovascular and brain by developing multiscale/multiphysics computational models as well as publish peer-reviewed journal papers. Additionally, the successful candidate for the postdoc position will be expected to help mentor students and write proposals. The successful candidate will enjoy ample training and networking opportunities.

Candidates possessing the following qualifications are strongly encouraged to apply:

- Strong background in biomechanics, biomedical engineering, computational mechanics, or equivalent fields.
- Strong foundation in numerical methods, especially the finite element method. Proficient in python and C++ programming language. Special consideration will be given to candidates who are familiar with the open-source finite element library FeNiCS, cardiac or brain finite element modeling, medical image processing, and machine learning techniques.
- Special consideration will also be given to candidates possessing knowledge and experience in performing bio-related experiments.
- Excellent communication and written skills.

Outstanding candidates are invited to submit a CV to Dr. Lei Fan at leifan0522@gmail.com.