

## Postdoctoral Fellow Position in Computational Vascular Biology in the new Marquette University and Medical College of Wisconsin Joint Biomedical Engineering Department, Milwaukee, WI, USA

### Position Description:

A collaboration between the Dash and LaDisa labs within the new joint Department of Biomedical Engineering at the Medical College of Wisconsin and Marquette University is accepting applications for a postdoctoral scholar position starting immediately. The successful applicant will create mathematical models of blood flow and vessel reactivity for several important cardiovascular diseases such as hypertension using empirical knowledge from each project. The postdoctoral scholar will interact closely with local clinicians, scientists and engineers on the east and west campuses of the Biomedical Engineering Department to drive this research forward. Together with their collaborators, Drs. Dash and LaDisa will play an active role in mentoring the postdoctoral scholar towards a successful academic career by helping to establish new research areas that foster independence beyond the postdoctoral period, focusing on grantsmanship, and working with some of the most respected computational modeling researchers in the world.

### Qualifications:

The minimum criteria for the position are enumerated below:

- (1) A Ph.D. degree in bioengineering, biomedical engineering, biochemical engineering, applied mathematics, or a related scientific field. Completion of the Ph.D. dissertation within the past two years will be highly desirable.
- (2) A strong background in vascular biology and cardiovascular physiology, mathematical modeling of cardiovascular systems, experimental data analyses, computational methods, and scientific and technical computing skills using MATLAB. Experience in computer programming using other languages, such as FORTRAN, C, C++ will be an added advantage.
- (3) Excellent communication skills (written/spoken English) and a demonstrable leadership in publishing in peer-reviewed journals and receiving academic excellence.
- (4) Lastly, the applicant should have a keen desire and initiative to learn, and the ability to function as part of a team.

### Application Process:

Interested applicants should submit a single pdf file with (1) letter of intent outlining their qualifications and career objectives, (2) Curriculum vitae and a list of publications, and (3) contact information for three references who may be contacted. Application package and reprints of three representative publications should be sent electronically to Dr. Dash ([rdash@mcw.edu](mailto:rdash@mcw.edu)) or Dr. LaDisa ([John.Ladisa@marquette.edu](mailto:John.Ladisa@marquette.edu)). Salary will be based on NIH scale that commensurate with background and experience.

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