

Postdoctoral fellow, Medical College of Wisconsin, Milwaukee

Position: Postdoctoral fellow
Organization: Medical College of Wisconsin
Location: Milwaukee
Deadline: 09/30/11

Description:

Applications are invited to fill a postdoctoral fellow position in systems biology at the Biotechnology and Bioengineering Center, Medical College of Wisconsin. The prospective postdoctoral fellow will work on a recently NSF-funded research project to develop multi-scale computational models in conjunction with experimental measurements to mechanistically understand the interactions between mechanical, chemical and electrical pathways involved in the regulation of blood flow in the microvasculature. The postdoctoral fellow will be modeling this system at various biological scales (transporters/channels, cells, and tissues/organs) initially for healthy tissue and later to understand how hypertension perturbs the system from this healthy state. Additionally the postdoctoral fellow will have the opportunity to work with our experimental collaborators at the Medical College of Wisconsin.

Qualifications:

The position requires a doctoral degree in an appropriate field of bioengineering, biomedical engineering, biochemical engineering, biophysics, biochemistry, applied mathematics, or a related scientific field. The ideal candidate should have a strong background in mathematical modeling of complex physiological systems and data analysis. In addition, the candidates should have excellent written and oral communication skills. Salary will be based on NIH scale that is commensurate with background and experience. Medical College of Wisconsin is an equal opportunity employer.

Contact:

Brian Carlson, Ph.D.
Medical College of Wisconsin
8701 Watertown Plank Road,
Milwaukee, WI 53226

Phone: 414-955-4822

Fax: 414-955-6568

Email: becarlson@mcw.edu