Postdoctoral Position in Computational Neuroscience and Neuroinformatics:

Standards and Tools for Multiscale Model Specification and Exchange

A postdoctoral position is available in the computational laboratory of Dr. Sharon Crook (http://math.asu.edu/~crook) at Arizona State University in Tempe, Arizona (http://www.asu.edu). The position is supported by the NIH-funded NeuroML Project (http://neuroml.org), an international, collaborative effort to create a model description language for computational neuroscience. In particular, the candidate will participate in schema design and implementation, tool development and testing, and website maintenance. The position also will require involvement in computational studies that examine the role of dendritic remodeling as part of learning and development or following injury or genetic manipulations.

Prior extensive programming experience in the area of computational neuroscience is required, and experience with XML, website development, and multiple neural simulators would be beneficial. The candidate also must be able to demonstrate excellent communication skills and the ability to work as part of a team. Some international travel is required.

Locally, the postdoctoral researcher will interact with faculty, students and other postdoctoral researchers in the Center for Adaptive Neural Systems (http://ans.asu.edu) at ASU. ASU has vibrant, interdisciplinary research communities in neuroscience, biomedical informatics, and high-performance computing. Candidates should send a curriculum vitae, a summary of research experience and interests, and the contact information (name, address, phone number and email) for three references to Dr. Sharon Crook at sharon.crook@asu.edu.

Applications will continue to be reviewed until the position is filled. Arizona State University is an Equal Opportunity/Affirmative Action Employer Institution.