

November 14, 2014

Post-Doctoral Position in Computational Neuroscience Available

Applications are invited to fill an immediate opening for a **Postdoctoral Research Fellow in Computational Neuroscience** in the Biomedical Applications Group at the Pittsburgh Supercomputing Center (PSC), which is part of Carnegie Mellon University. Our group enjoys rich and diverse collaborations with numerous colleagues in the areas of computational neuroscience, cell modeling, and large-scale image analysis in connectomics. Our group's focus is both on biomedical research and biomedical software development. Successful candidates will have demonstrated a proven record of experience and accomplishment in the areas of neuroscience and/or computational biophysics. A good working knowledge of programming and numerical techniques including computer simulation is preferable.

The goals of the research project will be to develop state-of-the-art MCell models of amphibian and mammalian synapses to investigate the relationship of structure and function in these systems with a strong focus on a better understanding of neuromuscular diseases. The computational research will be highly collaborative involving several well-known experimental labs at the University of Pittsburgh and the University of Maryland. As part of the National Center for Multiscale Modeling of Biological Systems (MMBioS), the Biomedical Applications Group at PSC contributes to the development of the MCell and CellBlender software (www.mcell.org). As part of the project there will be significant opportunity to get involved in method and software development for MCell and Cellblender in the vibrant, high-performance computing environment provided by PSC.

The start date will be decided by mutual agreement, but the position will be filled as soon as possible. The contract will be for a two-year term with the possibility of extension, renewed after 1 year provided satisfactory progress.

To apply for the position, please email your CV and arrange to have 3 letters of recommendation sent to: *Dr. Markus Dittrich, Director, Biomedical Applications Group, Pittsburgh Supercomputing Center, Carnegie Mellon University, 300 South Craig Street, Pittsburgh, PA 15213, email: dittrich@psc.edu.*