

Postdoctoral Position in Molecular Modeling and Simulation

A two-year postdoctoral position is immediately available under the joint supervision of Dr. Dave Thirumalai at the Department of Biochemistry of University of Maryland and Dr. Wenjun Zheng at the Department of Physics of University at Buffalo, State University of New York. The position will be based at Buffalo.

The candidate is expected to pursue novel combination of normal modes analysis based coarse-grained modeling and all-atom molecular dynamics simulation to investigate the conformational dynamics underlying the functions of molecular motors (such as myosin and kinesin). The computational predictions will be tested via experimental collaborations.

The candidate should have a PhD with prior research experience in protein structure modeling and simulation. Familiarity with scientific programming (C and/or Fortran), molecular simulations (CHARMM, NAMD, AMBER, etc) and Linux system is also required.

For more information about the research groups, please visit <http://www.buffalo.edu/~wjzheng>, <http://www.biotheory.umd.edu/>.

Please send your cover letter and CV (including publication list, prior research experience and contact information of three references) as a single pdf file to wjzheng@buffalo.edu. The search will continue until the position is filled.