National Heart, Lung, and Blood Institute

Staff Scientist
Laboratory of Computational Biology
National Heart, Lung, and Blood Institute

The Laboratory of Computational Biology within the National Heart, Lung and Blood Institute (NHLBI) at the National Institutes of Health (NIH) has an open position for a Staff Scientist. The laboratory, led by Dr. Bernard Brooks, Ph.D., is a group of researchers on the Bethesda, Maryland campus who use high-performance computing and macromolecular simulation to investigate problems in biophysics and chemistry.

Position description: The laboratory is seeking to hire one Staff Scientist to perform a mixture of computational science and collaborative computational scientific support mainly for junior lab members. The selected candidate's assignments will be determined by LCB program needs and the individual's research interests and skills. The fraction of effort for science vs. support is negotiable, but both are expected to result in peer-reviewed publications. Recent papers can be found here: (https://www.lobos.nih.gov/cbs/publications.shtml). Starting salary will be based on experience and will be at a minimum of $125,000 per year plus a full array of federal benefits.

The selectee will develop and refine computational models and methods to further the LCB scientific mission across a variety of scientific disciplines including but not limited to computational biophysics, computational chemistry, electron microscopy, and machine learning. Detailed knowledge and experience with all subject areas is not required. The selectee will also develop, maintain, and support software used in the center as well as assist others with scientific computing needs. This task will include further developing methods and software for high performance computing resources such as the LCB's LoBoS system (http://www.lobos.nih.gov) and other computational resources used by the laboratory.

Research area keywords: Computer science, mathematics, biophysics, computational chemistry, macromolecular simulation, scientific computing, high performance computing, protein docking, free energy, electrostatics, force field, machine learning

Experience required: Applicants must have a Ph.D. and be actively engaged in research in one or more of the research area keywords as demonstrated by their publication record. Applicants should also possess familiarity with Linux, GPUs, networks, and storage systems used in scientific computing.

How to apply:

To apply, please send your curriculum vitae, cover letter, and the names and addresses of three references to: Mary Cornio, Laboratory of Computational Biology, at corniom@nhlbi.nih.gov.

Applications will be accepted until the position has been filled.

We are an equal opportunity employer, and we actively prohibit discrimination and harassment of any kind. We strongly encourage people of color, LGBTQ+ people, immigrants, women, and people who are differently-abled to apply.