Opportunities in computational biology in the Theoretical Division of Los Alamos National Laboratory

Description:

A post-doctoral position is available in the area of molecular dynamics simulations. Research areas include molecular dynamics simulations, high performance computing, and structural biology. The position starts immediately and is 2 years (with possible 3rd year extension) with competitive starting salary plus benefits.

Los Alamos National Laboratory:

LANL has an intellectually diverse environment and demands creative, innovative and pioneering solutions. LANL is a leader in high performance computing and has a history of leadership in this area, dating back to one of the first supercomputers ever built. The Theoretical Division was first led by Hans Bethe and was home to Richard Feynmann for many years. As a national laboratory, high priority is placed in interdisciplinary studies. Facilities include one of the largest supercomputers in the world, four divisions (~300 people each) devoted to computation, and a significant computing allocation. We are located in the mountains of northern New Mexico, 40 minutes from Santa Fe, with close access to skiing, hiking, climbing and mountain biking.

Job Requirements:

Applicants should have a Ph.D. in physics/biophysics or computational chemistry and have experience in molecular dynamics simulations. We are seeking highly motivated and independent candidates that excel at writing code, parallelization, and MD analysis. Candidates with extensive experience with gromacs and MPI will be preferred. Other important skills include scientific visualization and interest in interpreting and making close contact to experimental data. Approval for US citizen visiting our campus requires 15 days. Approval for foreign national visits requires 35 days. Approval for visits by foreign national citizens of DOE sensitive countries requires 70 days.

Application requirements:

Please send CV to Karissa Sanbonmatsu kys@lanl.gov and arrange to have 3 letters of recommendation to kys@lanl.gov as pdf files.