Molecular Simulation Scientist

Zymeworks Inc. is a Canadian biotechnology company that is developing predictive computational technology for protein engineering.

As a growing company, we are looking for exceptionally bright and motivated individuals who are eager to showcase their talent, experience and leadership in a team environment. To learn more about the company, please visit our web site at www.zymeworks.com.

We are currently searching for an individual to be a major contributor to the development and maintenance of our core molecular simulation software platform. The successful applicant for this position will start in March of 2007.

Required (Applicants will not be considered without the following skills)

- Education: PhD in physics, chemistry, or a related field
- Experience developing and using software for molecular dynamics and/or Monte Carlo simulations
- Thorough understanding of molecular simulation algorithms
- Experience using molecular simulations to study biological systems
- Extensive development experience in the C programming language
- Ability to communicate in the English language (spoken and written)

Further skills (The following skills are an asset to qualified applicants)

- Doctoral and/or postdoctoral experience in molecular simulations (ab initio or classical)
- Proficiency with the Linux operating system
- Experience with perl, awk, shell and/or similar scripting languages
- Experience working on a clustered computing environment
- Experience using molecular modeling packages (AMBER, CHARMM, Gromacs, NAMD, etc)
- Knowledge of good software development practice (version control, unit testing, profiling)

Duties:

- Develop and implement innovative ideas for rational protein design using molecular simulation software
- Take a lead role in the implementation of molecular simulation algorithms
- Implement new software features requested by internal end-users
- Assist in purchasing hardware and software for molecular simulations
- Prepare patents and research publications
- Attend conferences in the field of molecular simulations of biological systems

Salary and benefits are commensurate with experience and are highly competitive with industry standards. If you are interested in applying for this position, please email your curriculum vitae and cover letter to jobs@zymeworks.com with 1219: Molecular Simulation Scientist in the subject line. Due to the high volume of applicants, we will only contact those that we would like to interview.