

Technical Lead, Computing Infrastructures
Roy J. Carver Biotechnology Center

Proposed Starting Date: As soon as possible after closing

Qualifications: M.S. degree in a field of science relevant to biological computing required (Ph.D. preferred), preference for fields of computer science, bioinformatics, statistics, or biotechnology. Experience and Training: At least four years of experience with designing, deploying and administering computational infrastructures supporting scientific research, and at least two years of experience with distributed and parallel solutions (clusters, grids, clouds) for high-throughput data analysis. At least four years of experience with the productive use of scripting (e.g. Perl, Python, Ruby) and programming (e.g. FORTRAN, C++, C#) languages.

Responsibilities: The University of Illinois Roy J. Carver Biotechnology Center is a core user facility and this position is associated specifically with the High-Performance Biological Computing Program (HPCBio). The selected candidate will direct and oversee the development of the computational infrastructure of HPCBio. The major responsibilities include: the development of and maintenance of a software stack serving the research needs, design and implement a software, networking and hardware environment enabling transparent sharing of computational resource for biological research. Prepare funding requests or grant proposals for new purchase of additional equipment and/or personnel for HPCBio and participation in training with emphasis on technical and computational skills. Keep abreast of new developments in computer technology and lead the implementation of innovative software and hardware solutions. All HPCBio personnel are expected to work collaboratively to optimize the delivery of services and support to its users; the responsibilities associated with the position include flexibility in taking on tasks related to the overall mission of HPCBio and consistent with the applicant's qualifications.

Type of Position: Full-time Academic Professional with full benefits. Salary is commensurate with experience.

Application: Please complete your candidate profile at <http://jobs.illinois.edu> and upload your cover letter and resume, to include at least three contacts for references. All requested information must be submitted for your application to be considered.

Please send academic transcript(s), to:

Rhonda Lipking, Administrative Aide
Roy J. Carver Biotechnology Center, 2613 Institute for Genomic Biology
1206 W. Gregory Drive, Urbana, IL 61801
Phone: (217) 333-1695, Email: lipking@illinois.edu

For additional information contact: Dr. Victor Jongeneel, Director, High-Performance Biological Computing,
Email: vjongene@illinois.edu, Phone: 1-217-244-1795

For full consideration, applications must be received by 5:00 pm April 13, 2012.

The University of Illinois is an Equal Opportunity/Affirmative Action Employer and welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity. (www.inclusiveillinois.illinois.edu)