

Computational Genomics Fellow, Carl R. Woese Institute for Genomic Biology, University of Illinois Urbana-Champaign, Illinois, United States of America

The Carl R. Woese Institute for Genomic Biology (IGB) at the University of Illinois Urbana-Champaign is offering a postdoctoral fellowship for scholars who have recently completed their Ph.D. to help shape the future of genomics research at the IGB in the era of artificial intelligence (AI). This cross disciplinary position provides a platform for candidates with domain expertise in biology and some experience with machine learning to develop a program in AI for genomics, and for AI-trained candidates to tackle genomic biology challenges. In addition, the position offers a great opportunity to develop a career in institutional research strategy, management and administration while maintaining an independent individual research program.

The fellow will work with the Director of Computational Genomics and other units on campus to identify and implement new directions for AI-enabled genomics in research areas across the IGB. This could include:

- Planning, developing, and supporting programs and initiatives that raise the profile of the IGB in the fields of AI and computational genomics, in strategic partnerships with internal and external entities;
- Establishing connections and acting as a liaison between IGB faculty and campus AI researchers;
- Coordinating a campus-wide journal club for AI in genomics;
- In collaboration with Center for Artificial Intelligence and Modeling (CAIM) theme, advising IGB faculty on how AI could be integrated into their research programs;
- Developing and conducting research projects in genomics and AI;
- Assisting with relevant sections in grant proposals led by IGB faculty, serving as participating personnel when appropriate;
- Attending relevant national conferences and workshops as a part of the fellow's professional development
- and preparing periodic reports of achievements, challenges, and plans.

The fellow will typically spend two or more years developing AI strategy and conducting research and will be mentored by the Director of Computational Genomics. The fellow will also routinely interact with CAIM research theme leaders and High Performance Biological Computing group and other campus entities. The position will provide an annual salary of \$58,000 and associated standard university benefits including healthcare, vacation, and sick leave.

Preference will be given to candidates with a background in genomics with experience in AI or machine learning. Candidates must hold a Ph.D. in any science, engineering, or quantitative discipline, work either independently or collaboratively, and demonstrate strong communications, management, technical writing, and organizational skills. Applicants should submit a resume or CV and the names of three recommenders who can write letters on their behalf. This information should be sent to Subha Srinivasan ssubha@illinois.edu. The University

of Illinois is an Affirmative Action/Equal Opportunity Employer. Visit www.igb.illinois.edu for additional information.