

## **Research Scientist in Computational Genomic Medicine**

Carl R. Woese Institute for Genomic Biology  
University of Illinois at Urbana-Champaign

**Description:** We are seeking a Research Scientist in the Computational Genomic Medicine theme within the Institute of Genomic Biology at the University of Illinois at Urbana-Champaign. The appointed person will take the lead on analyzing genomic data from multiple interrelated projects with the potential to yield multiple high-impact papers.

This is a 12-month, 100% time non-tenure track academic professional appointment with regular University benefits, renewable annually based on performance.

### **Specific Duties:**

- Develop and implement statistically robust, systems biology approaches to analyzing gene expression and comparative and evolutionary genomic data.
- Develop and implement statistical analyses of genomic data integrated across multiple levels (i.e. miRNA expression, gene expression and DNA sequence variation).
- Analyze next generation sequencing data and compile the results from multiple species for evolutionary analysis.
- Draft manuscripts in part (i.e. methods, results) or whole, as the project requires.
- Provide oral and written progress updates to PIs and other lab members.

**Qualifications:** PhD in cell, molecular, and developmental biology, genomics, computer science, biostatistics or a related field required. Familiarity with the immune system and with analyzing genomic data (including gene expression microarray, methylation analysis, next generation and exome sequencing) as well as expertise in comparative evolutionary genetic and genomic analysis is required. Experience with and facility using R, Bioconductor required. Must be proficient in PERL, Python, R, and MySQL. Strong written and oral communication skills a must. Preferred: knowledge of SAS.

Salary will be commensurate with experience and qualifications. The position is available immediately, and the proposed starting date is negotiable after the close date. Please create your candidate profile at <https://jobs.illinois.edu> and upload your letter of interest (including email address), resume and contact information for three professional letters of reference by April 21, 2015. Applicants may be interviewed before the closing date; however, no hiring decision will be made until after that date. All requested information must be submitted for your application to be considered. For further information regarding the application procedures, you may contact Kim Johnson, [kljohns@illinois.edu](mailto:kljohns@illinois.edu).

*Illinois is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, sexual orientation, gender identity, age, status as a protected veteran, or status as a qualified individual with a disability. Illinois welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity. ([www.inclusiveillinois.illinois.edu](http://www.inclusiveillinois.illinois.edu)).*