

Postdoctoral Fellow

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

Description: We are seeking a Postdoctoral Fellow within the Carl R. Woese Institute for 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 focused on, but not limited to, traumatic stress genomics, with the potential to yield high-impact papers.

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

Specific Duties:

- Develop and implement statistically robust, systems biology approaches to analyzing genomic data, including microarray-based epigenomic and gene expression data, as well as next-generation sequencing-based RNAseq and related data.
- Develop and implement statistical analyses of genomic data integrated across multiple levels (e.g. miRNA expression, gene expression and DNA sequence variation).
- 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 analyzing genomic data (including gene expression microarray, DNA methylation analysis, next generation and exome sequencing) is required. Experience with and facility using R, Bioconductor required. Must be proficient in R. Strong written and oral communication skills a must. Preferred: knowledge of SAS.

Applicants should submit a CV, a research summary, and the names of three recommenders who can write letters on their behalf. This information should be sent to Professor Monica Uddin, (CGRH and GDNP theme member), muddin@illinois.edu in advance of the August 15, 2017 closing date. The University of Illinois is an Affirmative Action/Equal Opportunity Employer. Visit www.igb.illinois.edu for additional information.

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).