Postdoctoral Fellowship in Genomic Security and Privacy

The Carl R. Woese Institute for Genomic Biology (IGB) at the University of Illinois at Urbana-Champaign solicits applications for a position as an IGB Fellow in its new theme Genomic Security and Privacy (GSP). The position is open to scholars who have completed their PhD within the last several years and who are looking for a stimulating and supportive interdisciplinary environment to carry out independent and collaborative research. IGB Fellows typically spend two or more years conducting research in an IGB theme. The theme leadership works with the Fellow to develop an individual program of research that contributes to the theme.

Recent years have seen the rise of a diverse collection of applications of genomics that have profound implications for individuals, society, and the future of humankind. The GSP theme aims to understand the consequences of these scientific and social developments through a highly interdisciplinary research team. The Fellow would contribute to studies on technology and policy for security and privacy of genomic data. Sample areas of research include: privacy-enhancing technologies for sharing genotype, phenotype, and lifestyle data; ramifications of genetic genealogy for law enforcement; models for diversity, consent, and governance; and potential issues with diverse omics data. Contributions may include seeking out and applying for grants, designing and executing studies, coordinating research with and among GSP faculty, and managing graduate or undergraduate researchers tasked to GSP projects. Moreover, there are diverse drivers of developments in the field of genomics bringing on issues that will shape the development of GSP. We encourage applications from candidates in at least these areas as they relate to GSP: Bioinformatics, Computer Science, Law, Social Sciences, and Economics.

Applicants should submit a CV, a research summary, and the names of three recommenders who can write letters on their behalf. Inquiries and applications should be directed to Nikki Gentry by email at nngentry@illinois.edu or Carl A. Gunter at cgunter@illinois.edu. The University of Illinois is an Affirmative Action/Equal Opportunity Employer. Annual salary is $55,000, plus a $7,500 allowance. To receive full consideration candidates should apply by March 1, 2020.