Human Computational Genomics Postdoctoral/Research Assistant Professor Positions at the University of Pennsylvania

The Tishkoff lab at the University of Pennsylvania is seeking candidates at either the postdoctoral or Research Assistant Professor level for computational genomics positions. We are integrating genomic, transcriptomic, metagenomic, metabolomic, and epigenomic datasets generated from a large sample of ethnically diverse Africans. We use evolutionary, statistical, and population genetics approaches to understand the genetic architecture of a number of anthropometric, cardiovascular, metabolic, and immune related traits for which we have detailed phenotype data. We are also interested in inferring the demographic history of African populations, determining the genetic basis of adaptation during human evolutionary history, and characterizing the evolution of gene regulation in humans. We are applying functional genomics approaches to determine the impact of candidate causal variants on gene regulation and chromatin interaction. Candidates will have an opportunity to participate in a large NIH collaborative effort involving analysis of whole genome sequence data from over 100,000 participants. Candidates will also have an opportunity to develop creative, independent projects. There will be opportunities to work together with an outstanding team of collaborators with expertise in statistical and population genetics including Iain Matheison, Yoseph Barash, Ben Voight, Casey Brown, Yun Song, Hongzhe Li, Scott Williams, Eleazar Eskin, Josh Akey, and Sharon Browning.

The ideal candidates will have skills in computer programming (PERL and/or Python and/or C++) and using statistical environments (R/MATLAB) as well as expertise in population genetics theory and/or quantitative analyses of complex traits. Experience with large genome-scale datasets is a plus. Candidates for the Faculty Research Assistant Professor position must have a proven track record of productivity. They will be expected to show independence, have excellent writing skills, willingness to apply for grant funding (with opportunities to be PI on grant applications) and willingness to help supervise graduate students. The Research Assistant Professor position is conditional upon approval by the Department of Genetics at UPenn. Salaries are commensurate with qualifications and experience.

The Department of Genetics is centrally located at the School of Medicine within the UPenn campus and is within short walking distance to the Children's Hospital of Pennsylvania as well as the Departments of Biology, Computer Science, Bioengineering and Anthropology located on the main campus. Outstanding core facilities are available for high throughput sequencing, genotyping, and gene expression studies and for bioinformatics and computational biology analyses. Philadelphia is a vibrant city with excellent cultural events and plenty of parks and hiking/biking trails. It is also centrally located between New York City and Washington DC, with easy access via a short train or bus ride.

Candidates should send curriculum vitae, a statement of interest, and contact information for three references via e-mail to Dr. Sarah Tishkoff, Departments of Genetics and Biology, University of Pennsylvania, tishkoff@pennmedicine.upenn.edu. The starting dates of positions are flexible.

Dr. Sarah Tishkoff
Departments of Genetics and Biology
University of Pennsylvania
tishkoff@pennmedicine.upenn.edu
http://www.med.upenn.edu/tishkoff/