**Human Integrative Genomics Postdoctoral Positions at the University of Pennsylvania**

The Tishkoff lab at the University of Pennsylvania is seeking candidates for postdoctoral positions. We are integrating genomic, transcriptomic, metagenomic, metabolomic, and epigenomic datasets generated from a large sample of ethnically diverse Africans. Analysis of these data includes using an evolutionary and systems biology approach towards understanding 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 and testing models of human evolutionary history using genome-wide data.  Candidates will have an opportunity to develop creative, independent projects, and novel statistical methods. There will be opportunities to work together with an outstanding team of collaborators with expertise in statistical and population genetics theory and methodology.

Candidates with strong molecular genetics and/or statistical/computational genetics background are encouraged to apply. Expertise with at least two of the following is required: population genetics theory, computer programming (Ruby/PERL/Python/C++), statistical environments (R/MATLAB/ Julia), and/or quantitative analyses of complex traits. Experience with large genome-scale datasets *e.g.* microarray or next-generation sequencing experiments is a plus. Candidates working with non-human or model organisms who want to obtain experience working with human data are encouraged to apply. 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, the Biology Department, the Translational Genomics Institute and the Anthropology Department. Outstanding core facilities are available for high throughput sequencing, genotyping, and gene expression studies and for bioinformatics and computational biology analyses. UPenn has an interactive community of researchers with interests in evolutionary biology and genomics, the genetics of complex traits, and translational medicine. 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 vita, 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@mail.med.upenn.edu. The starting dates of positions are flexible.

Dr. Sarah Tishkoff

Departments of Genetics and Biology

University of Pennsylvania

tishkoff@mail.med.upenn.edu

<http://www.med.upenn.edu/tishkoff/>