A postdoctoral position in statistical genetics is available in the Department of Human Genetics at the University of Chicago under the supervision of Mark Abney. The general area of research is the development of statistical and computational methodology for the mapping of complex traits in humans. Some areas of interest include (1) estimating heritability, missing heritability, heritability due to QTL and typed loci given dense genotypes and/or sequence data, (2) methods development for mapping and modeling of complex traits using genotypes, expression and other omics data, and (3) methods development for mapping using multiple SNPs, genes, gene-sets and/or pathways. The successful candidate will undertake both method development and data analysis.

A suitable applicant will hold a PhD in statistics, biostatistics, computational biology or another highly quantitative field. Candidates with PhDs in genetics, molecular biology or other related areas who have substantial computational or statistical expertise are also encouraged to apply. Applicants should have substantial programming experience with languages such as C/C++, R and/or Python (or similar).

Applicants should email a curriculum vita, a brief statement of research interests (one or two pages) and have letters from two or more references sent to Mark Abney, abney@uchicago.edu