Applications are invited for a postdoctoral fellowship in the Department of Epidemiology within the Harvard T.H. Chan School of Public Health (HSPH). The fellow will work closely with Drs. Hugues Aschard and Peter Kraft and with collaborators at the Program in Genetic Epidemiology and Statistical Genetics (PGSG) at the Chan School, and The Channing Division of Network Medicine.

This position involves statistical method develop and application addressing the following questions: 1) improving our understanding of the genetic architecture of human traits and their dependence to environmental and clinical risk factors; 2) evaluating the relevance of theoretical models for gene-gene and gene-environment interaction effects; and 3) improving our ability to predict complex traits when both genetic and non-genetic information is available. The work has an emphasis on multivariate methods for the combined analysis of both multiple traits and multiple exposures. Real data application will be performed on several of the many large scale cohorts hosted at HSPH and affiliated institutions. This includes in particular over 20,000 individuals with extensive genomic and environmental data from the Nurse’s Health Study and the Health Professional Study.

QUALIFICATIONS

Applicants should have a doctoral degree in Statistics/Biostatistics, Epidemiology, Bioinformatics, Computer Science or other relevant discipline with strong quantitative research background. Practical experience working with large scale genetic data sets, developing new methods, and producing high-quality published work, are desirable. Applicants may start as early as possible and applications will be considered until the position is filled.

ADDITIONAL INFORMATION

Interested applicants should send their curriculum vitae, a cover letter detailing research experience, and contact information for three references to Dr. Hugues Aschard (haschard@hsph.harvard.edu).

More information on the Department of Epidemiology and the Program in Genetic Epidemiology and Statistical Genetics can be found here http://www.hsph.harvard.edu/epidemiology/ and here http://www.hsph.harvard.edu/program-molecular-genetic-epidemiology/.

Harvard University seeks to find, develop, promote, and retain the world’s best scholars. Harvard is an Affirmative Action/Equal Opportunity Employer. Applications from women and minority candidates are strongly encouraged.

Information on resources for career development and work/life balance at SPH can be found at: Career development and work/life balance.