Institut de Recherches Lady Davis | Lady Davis Research Institute

Genomic Data Analyst and Scientific Programmer and Postdoctoral Fellow and Biostatistician

Ludmer Centre for Neuroinformatics and Mental Health, Montreal, QC

The recently-launched Ludmer Centre for Neuroinformatics and Mental Health focuses on understanding the genetic and epigenetic influences that shape brain development and the risk for mental disorders. This Centre spans the Lady Davis Research Institute/Institut de Recherches Lady Davis, the Douglas Mental Health University Institute/Douglas Institut Universitaire en Santé Mentale, and the Montreal Neurological Institute/Institut Neurologique de Montréal, all affiliated with McGill University, Montreal, Quebec, Canada.

We are building a team for methods development and data analysis of high-dimensional data, including brain imaging, genetics, genomics and epigenetics. Ongoing studies have collected longitudinal and cross-sectional data on many well-characterized samples from a range of tissues, and offer unique opportunities for studies of genotype–epigenotype–phenotype relations. The focus of this team is improvement of analytic methods and implementing these methods to better understand the relationships between brain function and underlying genomic architecture, including epigenetic modifications.

You will be joining an active research group led by Dr. Michael Meaney (Douglas Institute), Dr. Alan Evans (Montreal Neurological Institute) http://www.bic.mni.mcgill.ca/~alan/, Dr. Aurélie Labbe (Douglas Institute), and Dr. Celia Greenwood (Lady Davis Institute). The advertised positions will be at the Lady Davis Institute, where you will interact with researchers, staff and trainees interested in statistical genetics and genetic epidemiology, both at the Lady Davis Institute and at McGill University. There are several seminar series and journal clubs within Montreal in the areas of statistical genetics, genetic epidemiology, and population genomics providing opportunities for ongoing learning.

Qualifications depend on position. In all cases, we are looking for motivated individuals capable of working in a team, with excellent communication skills. To apply, please send a curriculum vitae, examples of previous relevant work, and contact information for three referees to Lauren Mokry, lauren.mokry@ladydavis.ca. (Posted October 2013, recruitment will continue until positions are filled).