



Post-Doctoral Fellow Opportunity at McGill University in the Richards Lab

Are you interested in genetic, proteomic and metabolomic causes of diseases? We have cutting-edge data from hundreds of thousands of individuals and need Post-Doc analysts to help publish high-impact papers.

We are looking for outstanding scientists to join our Genetic Epidemiology Laboratory at McGill University. The scientist must have a passion for clinical research and data analysis to drive clinical discovery and improve human health. We are looking for individuals with strong quantitative science skills and an understanding of epidemiology and/or genomics.

Clinicians with research experience are strongly encouraged to apply.

Candidates will have a PhD in one of the following domains:

- Genetics
- Epidemiology
- Statistical Genetics
- Bioinformatics
- Computer Science

Candidates may also have an MD and MSc in one of the above domains:

Other favourable skills and background

- Strong English language writing and presentation skills
- Strong knowledge of bioinformatic tools and the ability to analyze large-scale genomics datasets, including next-generation sequencing and genome-wide genotyping datasets
- Good organization skills
- Computer programming (R, python, Stata)
- Strong work ethic
- Experience in Mendelian randomization.
- Ability to work in a group and lead students to program completion

While wet-lab genetics skills are interesting, we are only interested in recruiting individuals with strong quantitative and programming skills.

Our Laboratory: We are interested in identifying the genetic determinants of common diseases, such as osteoporosis and type 2 diabetes and then using this information to improve clinical care. As a clinician-scientist led research program, we use genetic determinants of disease to test the causality of environmental exposures through Mendelian randomization and use identified genetic determinants of disease to assist in drug development.



During your Post-Doc you will be supported by a Research Associate, other students in the lab and the PI, Brent Richards.

The students in our lab have a strong track record of success and have amassed \$3.4M in scholarships since 2009. 10 students have become faculty at institutions such as Harvard, McGill and the University of Toronto.

Our group is well-funded through the Canadian Institutes of Health Research, the Canadian Foundation for Innovation, disease-based societies, and industrial collaborations. We collaborate widely with groups in the US, Europe and Australia and draw on expertise from collaborators across various domains ranging from animal models through randomized controlled trials. Many students in our group have had the opportunity to publish in high-impact journals, and all our students lead their own research programs.

International Students are strongly encouraged to apply. Visas to Canada can be arranged for individuals within 6 years of completion of their Ph.D.

For more information on our activities visit: mcgill.ca/genepi/

Interested applicants should contact Ms Darin Adra by email: darin.adra@ladydavis.ca