POST-DOCTORAL FELLOW

The Discipline of Genetics (Faculty of Medicine) at Memorial University invite applications for a post-doctoral fellow position, studying the genomics and pharmacogenomics associated with hereditary breast and ovarian cancer (HBOC). We are seeking candidates who are self-motivated and career-oriented with successful graduate-level training in genetics/genomics as demonstrated by peer-reviewed publications and presentations, to join an exciting highly interactive multidisciplinary research team.

Our research focus is to investigate the genetic architecture of HBOC in the founder population of Newfoundland and Labrador, using a multi-omics approach to multiplex families with HBOC. The fellow will direct the lab-based research, supported by a multi-disciplinary team (Drs. Lesa Dawson, Darren O’Rielly and Terry-Lynn Young) and work across both research and clinical laboratories. The laboratories are housed in the Craig L. Dobbin Genetics Research Centre, a unique multidisciplinary setting designed to facilitate rapid progress in genomic research in the Province, housing the latest genomic technologies and an IBM cluster for big data analysis.

This project is supported by grants from the Canadian Breast Cancer Foundation, industry partners such as Astra Zeneca and a private donor fund. This position is dependent on the fellow being successful in obtaining external post-doctoral funding through the Beatrice Hunter Cancer Research Institute (BHCRI), Canadian Institutes of Health Research (CIHR) or similar funding agency.

DUTIES

• Direct and perform experiments and data analysis of whole genome and/or whole exome sequencing, gene expression, methylation and detection of copy number variants (supported by staff and graduate students)
• Direct and perform statistical analysis and data interpretation (supported by a bioinformatician);
• Prepare abstracts, manuscripts and grant applications;
• Present research findings at national and international conferences.

QUALIFICATIONS

• A Ph.D. in a related field of genetics/genomics and human health research or related field;
• Excellent laboratory skills with a strong background in genetics, genomics, and/or molecular biology;
• The ability to complete a scientific project independently and efficiently;
• Excellent written, analytical, interpersonal and oral communication skills; and
• Training in pedigree analysis and experience working with genetic isolates would be an asset

Start Date – Winter 2019
Duration of Appointment – 2 years (with possible extension)
Application Deadline – December 14th, 2018
Salary - $35,000 - $50,000

The application package should include a cover letter highlighting qualifications and interests related to this position, curriculum vitae, names and contact details of three references. Applications should be electronically submitted to: Dr. Terry-Lynn Young, c/o Amanda Dohey (adohey@mun.ca).

Memorial University is the largest university in Atlantic Canada. As the province’s only university, Memorial plays an integral role in the education and cultural life of Newfoundland and Labrador. Offering diverse undergraduate and graduate programs to almost 18,000 students, Memorial provides a distinctive and stimulating environment for learning. St. John’s is a safe, friendly city with great historic charm, a vibrant cultural life, and easy access to a wide range of outdoor activities.

Memorial University is committed to employment equity and encourages applications from qualified women and men, visible minorities, aboriginal people, and persons with disabilities. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

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