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 autoimmune and autoinflammatory diseases, specifically psoriasis, psoriatic arthritis and ankylosing spondylitis. 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 genomic architecture of susceptibility to autoimmune and autoinflammatory diseases and response to treatment using a cell-type specific multi-omics approach and multiplex families. The fellow will direct the lab-based research, supported by a multi-disciplinary team (Drs. Proton Rahman, Vinod Chandran and Darren O’Rielly) 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 Atlantic Opportunities Agency – Atlantic Innovation Fund (ACOA-AIF), Innovate NL as well as industry partners.

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 – March 1st, 2019
Duration of Appointment – 2 years (with possible extension)
Application Deadline – December 14th, 2018
Salary - $35,000 - $50,000

Interested candidates should send an email to Amanda Dohey (adohey@mun.ca). The email must include 1) a detailed CV outlining academic history; 2) a brief description of short- and long-term career goals; and 3) a list with names of at least two academic references that can speak to the research and intellectual ability of the applicant.