POST-DOCTORAL FELLOW
Dr. Proton Rahman and Dr. Darren O’Rielly’s Lab – Discipline of Genetics

Dr. Rahman is a clinician scientist and full Professor at Memorial University and staff Rheumatologist at Eastern Health. He has a strong interest in genetics of arthritis and has collected large disease cohorts in multiple rheumatic and autoimmune diseases. Dr. O’Rielly is Director of the Molecular Genetics Laboratory with Eastern Health, Director of the Translational Genomics Laboratory and a Senior Research Scientist in the Faculty of Medicine with Memorial University.

Dr. Rahman and Dr. O’Rielly have a strong interest in the genetics and genomics of complex autoimmune diseases, such as ankylosing spondylitis, psoriatic arthritis and psoriasis vulgaris, as well as, pharmacogenomics. Their laboratory is equipped with the Sequenom MassARRAY Analyzer, the Ion Torrent Proton and Ion Torrent PGM Next Generation Sequencers, and the Agilent Sure Scan Microarray.

A postdoctoral position is available for a Ph. D student to study the genomics of immune mediated arthritis in a state-of-the-art genomics facility with a focus on using a multi-omics approach to solve genetic disease and evaluate patient response to treatment.

DUTIES
• Conduct genetic research experiments and data analysis in the areas of whole exome sequencing, gene expression, methylation and detection of copy number variants;
• Perform statistical analysis and data interpretation (supported by a bioinformatician);
• Prepare abstracts, papers and reports;
• Assist and supervise other trainees (summer students, undergraduate students, graduate students) in developing and conducting laboratory research; and
• Assist in manuscript preparation and grant applications.

QUALIFICATIONS
• A Ph.D in a related field of genetics and human health research or related field (e.g., molecular biology, pharmacogenomics, and/or experimental medicine);
• Strong laboratory experience;
• A strong background in genetics, genomics, and/or molecular biology is preferred;
• The ability to pursue a scientific project independently, prioritize appropriately and complete tasks in a timely manner; and
• Excellent written, analytical, interpersonal and oral communication skills.

Start Date – February 15th, 2018
Duration of Appointment – 1 year (with possible extension into year 2 and 3)
Application Deadline – December 21st, 2017

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.