Hôpital général juif
Jewish General Hospital

McGill

Institut Lady Davis de recherches médicales | Lady Davis Institute for Medical Research

Caulier Lab
McGill University

Position: Research Associate, Experimental biology and functional genomics.

Alexis Caulier's laboratory is seeking a highly motivated individual with strong research experience to join our collaborative effort in investigating the genetic determinants of normal and malignant blood cells production.

Environment: The Caulier Lab is a new independent research group located at the Lady Davis Institute for Medical Research of the Jewish General Hospital University Health Centre, affiliated to the prestigious McGill University, in Montreal, Canada. Our research integrates creative functional approaches with cutting-edge genome-engineering strategies to functionally understand how genetic variation shapes the production of blood cells and impacts our risk to develop blood disorders. The scope of our hybrid research program covers hematopoietic stem cell biology, human genetics, disease modeling, genome engineering, along with computational workflows to understand genetics at single-cell resolution.

Job description: The selected candidate will have the opportunity to work on ambitious experimental research projects with the principal investigator (PI) of the lab, other members, and collaborators (60% of the time) while directly assisting the PI in maintaining operations in the laboratory (40%). As a key member of a new laboratory, the candidate will participate in optimizing laboratory systems and contribute to building a collaborative and supportive research environment.

Experimental research projects may involve – but are not restricted to – the culture and differentiation of human hematopoietic stem and progenitor cells, genome editing/engineering, flow cytometry, molecular biology, preparation of next-generation and single-cell sequencing libraries, xenotransplantation models, and analysis of primary patient samples. The candidate will receive appropriate training based on their prior experience and interests.

Laboratory management responsibilities may include – but are not restricted to – ordering and maintaining laboratory supplies, organizing reagents and samples, communicating with vendors and purchase departments, coordinating equipment maintenance, maintaining laboratory records and regulatory documentation, developing organizational systems and standard operating procedures, and assisting with the onboarding of future laboratory members.

Background/Training: A Ph.D. degree is required, preferably with formal training in molecular biology, human genetics, cell biology, or a related field. The candidate must present with solid organizational and interpersonal skills, and a proven track record in research including peer reviewed publications. Experience with cell culture, flow cytometry, sequencing technologies, or genome editing is preferred. Additionally, experience with computational biology would be of great value but is not required.

Details: This is a full-time, 35-hour-per-week, in-person position with competitive salary and benefits. The anticipated start date is January 2027. We see tremendous value and strength in bringing together individuals with diverse backgrounds, perspectives, and experiences and are committed to building a positive and supportive laboratory environment. Compensation will be assessed based on previous training and experience by the LDI Human Resources Department.

Due to the location and affiliations of the laboratory, this position will allow the selected candidate to have meaningful interactions with top-tier scientists and clinicians at the Lady Davis Institute for Medical Research, the Jewish General Hospital University Health Centre, and the broad biomedical research community in Montreal.

Application process: Please send a full application including (1) a cover letter detailing your background and interests, explaining how you would be a good fit for the position, (2) a curriculum vitae including your training, scientific achievements and peer-reviewed publications, (3) two to three reference letters. Full application can be sent to alexis.caulier@mcgill.ca or alexis.caulier@ladydavis.ca.

Benefits and Additional Notes:

As a full-time employee paid by research funds, you are entitled to the following benefits:

Annual Vacation Days

Sick Days

Statutory Holidays

Group Insurance Plan

Pension Plan: By virtue of the Act respecting the Government and Public Employees Retirement Plan you will be contributing to the Government and Public Employees Retirement Plan (RREGOP).