

JOB OFFER

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| Job Title: | Postdoctoral Fellowship, Molecular genetics of stem cells |
| Employer: | Institute for Research in Immunology and Cancer Dr. Guy Sauvageau's Laboratory |
| Status: | Full-time |
| Salary: | To be determined – Subject to the minimum and maximum set out by the collective agreement |
| Start date: | Winter 2020 |
| Estimated end date: | To be determined |

MANDATE DESCRIPTION

The Institute for Research in Immunology and Cancer (IRIC) at the University of Montréal has an opening for a funded postdoctoral fellowship in the field of hematopoietic stem cell biology.

Under the supervision of Dr. Guy Sauvageau, the recruited fellow is expected to design and conduct research projects, as well as supervise and mentor graduate students.

Candidates are directed to the Sauvageau Lab website (www.sauvageaulab.ca) for info about hematopoietic stem cell-related research projects (Research/Hematopoietic stem cells) available for postdoctoral fellows.

Candidates should have expertise cell culture, flow cytometry, cell biology, mouse manipulation, and expertise in hematopoietic stem cell biology would be considered an asset.

JOB REQUIREMENTS:

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| Education & Experience | <ul style="list-style-type: none">• Ph.D. in a related field (i.e. genetics, molecular biology, cell biology) obtained less than 4 years ago.• Demonstrated proficiency in these fields. |
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APPLICATION PROCEDURE

Interested candidates should submit a full CV, a presentation letter stating research interests, and 2 reference letters from most recent research supervisors to marie.eve.bordeleau@umontreal.ca.

We thank all applicants for their interest. Please take note, however, that only short listed candidates for the position will be contacted by email for an interview.

Employment Equity Program

IRIC and Université de Montréal uphold the principles of employment equity and encourages applications from women, members of visible minorities, ethnic minorities, persons with disabilities and Aboriginal people.

Immigration

Foreign applicants chosen for the position will have to obtain a valid work permit in order to be hired.

ABOUT THE SAUVAGEAU LAB

Dr. Guy Sauvageau holds the Canada Research Chair in Molecular Genetics of Stem Cells since 2004. Dr. Sauvageau is an internationally-recognized researcher and clinician, with a research focus on the study of hematopoietic stem cell biology and Acute myeloid leukemia (AML). His lab, in collaboration with Anne Marinier's group at IRIC, has identified the small molecule UM171, a compound that enhances the expansion of human CB HSCs (Fares et al., Science, 2014 and Pabst et al., Nature Methods, 2014). The benefits of UM171-mediated expansion of CB HSCs for HSC transplantation are currently being investigated as part of a phase I/II AML clinical trial. The Sauvageau lab aims to identify additional innovative strategies to further improve HSC expansion, to optimize HSC graft composition and translate these discoveries into clinical applications for AML treatment.

ABOUT IRIC

IRIC is an ultra-modern research hub and training centre located in the heart of Université de Montréal. Created in 2003 to shed light on the mechanisms of cancer and discover new, more effective therapies, research at IRIC has already built a reputation for excellence within the Canadian and international scientific communities. Nearly 500 team members are dedicated to the Institute's approach: complementary expertise, collaboration and community, combined with creativity and innovation. The next generation of investigators trained at IRIC must not only become experts in their own field, they must also integrate multidisciplinary and collaboration into their practice.

The primary objective of IRIC is to elucidate the molecular underpinnings of cancer and to devise innovative approaches to cure cancer. IRIC is located in a state-of-the-art new building on the main campus of UdeM. It currently hosts 28 Principal Investigators and over 450 trainees, graduate students, postdoctoral fellows, research associates and support staff. IRIC also comprises several cutting edge technological platforms. These include Bioimaging, Biophysics & NMR, Flow Cytometry, Genomics, High-Throughput Screening, Histology, Medicinal Chemistry, Proteomics, and one of the largest animal facilities in Canada. A collegial and curiosity-driven research environment is a key characteristic of the Institute. For more information, please visit us at a www.irc.ca.

ABOUT UNIVERSITÉ DE MONTRÉAL

Université de Montréal is one of the leading research universities in Canada. Together with its two affiliated schools, HEC Montréal and École Polytechnique, it constitutes one of the largest centers of higher education in North America. For more information, please visit www.umontreal.ca and [UdeM at a Glance](#).