



INSTITUT DE RECHERCHE  
EN IMMUNOLOGIE ET EN CANCÉROLOGIE

### Research Project Title

Tailoring novel Chimeric Antigen Receptor (CAR)-based therapies exploiting the regenerative potential of HSC transplantation for the treatment of refractory leukemia.

### Description

The laboratory of Dr. Etienne Gagnon is looking to hire postdoctoral fellows (3) to spearhead projects in the field of tumor immunology to complement a multidisciplinary team formed by internationally-known academic partners to develop novel approaches and therapeutics for the treatment of different forms of hematological cancers.

The new postdoctoral fellows will be part of a dedicated team effort to develop, characterize and deploy novel Chimeric Antigen Receptor (CAR) architectures in order to produce effector cells derived from *in vitro*-expanded CD34+ stem cells in order to eventually implement this approach for the treatment of leukemia/lymphoma.

This work requires an extensive **knowledge and expertise in immunology** (human and/or mouse), **and/or molecular biology** (design and cloning, generation of stable cell lines), **and/or systems biology** (genomics and proteomics) in order to successfully perform the research pertaining to this project.

### Requirements

- Completed doctoral studies in Immunology, biomedical science related to stem cells, system biology or a relevant field of study
- Excellent record of scientific publication and communication
- Interest in pursuing research in human immunology, regenerative medicine and/or systems biology.
- Strong interpersonal and communication skills
- Organizational skills and effective time management
- Experience working as part of an interdisciplinary team.

Candidates will be selected using the regular selection process employed at IRIC with the recommendations of the recruiting investigator. Only successful candidates will be contacted for an interview.

### Application Submission

If you are interested in this position, please send your application to Dr. Etienne Gagnon, PhD, principle investigator at IRIC in the cancer immunobiology research axis at [etienne.gagnon@umontreal.ca](mailto:etienne.gagnon@umontreal.ca) by May 6th, 2022. Please specify "Postdoctoral Fellow CAR-T Applicant" in the subject line of your message and attach:

- A cover letter detailing your interests and outlooks in cancer immunology, regenerative medicine or systems biology.
- Your CV
- Two letters of recommendation or references.

### Benefits

A competitive salary and benefits financed by through acquired Stem Cell Network (SCN) and MEI/MITACS postdoctoral research funding.



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Université   
de Montréal

### **Institute for Research in Immunology and Cancer (IRIC)**

IRIC was created in 2003 to fight the disease. The Institute stands out for its research model unique in Canada, combining the complementary expertise of 29 Investigators with that of a research maturation team. IRIC can also rely on its 10 core facilities and a Drug Discovery Unit, made up of the country's largest team of medicinal chemists and of biologists in an academic setting.

### **Université de Montréal**

The 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 centres of higher education in North America.

*IRIC and Université de Montréal are strongly committed to fostering diversity and inclusion. Through their Equal Access Employment Program, CRCHUM and UdeM invite applications from women, Aboriginal people, visible and ethnic minorities, as well as persons with disabilities. They will confidentially adapt their recruitment mechanisms to the specific needs of people with disabilities who request it. They also welcome applications from candidates of all orientations and sexual identities. All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, priority will be given to Canadians and permanent residents.*

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***Etienne Gagnon, Ph.D.***

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