

Postdoctoral fellowship in Cancer and RNA metabolism at the University of Montreal

The Institute for Research in Immunology and Cancer (IRIC) at the University of Montréal currently has an opening for a funded postdoctoral fellowship in Dr. Katherine Borden's Laboratory. The position focusses on understanding novel means to drive cancer with a particular focus on dysregulated RNA processing and how they subvert the transcriptional programme. Successful candidates will have experience with next generation RNA sequencing technologies and bioinformatic analyses as well as experience in routine cell and molecular biological methods. Successful candidates will have the opportunity to join a diverse and vibrant team of researchers dedicated to dissecting the molecular basis of cancer.

Research will be conducted at state-of-the-art facilities at the Institute for Research in Immunology and Cancer on the campus of the University of Montreal in Dr Katherine Borden's (www.irc.ca). Please send your CV including a full list of publications and a list of references to bordenlabjobs@gmail.com

We thank all candidates for their interest, but not that only short listed candidates will be contacted for interviews.

JOB REQUIREMENTS:

Education &
Experience

- Ph.D. in a related field (i.e. molecular biology, RNA biochemistry) obtained after 2019.
- Ph.D. students who are nearing graduation may also apply.
- Substantial experience in RNA biology including RNA isolation, nuclear cytoplasmic fractionation, quantitative PCR, RNA-Seq analysis and substantial experience with mammalian cell culture including production of stable cell lines.

APPLICATION PROCEDURE

Interested candidates should submit a full CV, along with a full list of publications and a list of references to bordenlabjobs@gmail.com

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 BORDEN LAB

Katherine Borden and her team are trying to answer one of the fundamental questions in cancer biology: how do normal cells become transformed in cancer, particularly leukemia? Their research focuses on a particular protein, the eIF4E, and how its dysregulation leads to transformation and leukemia. A better understanding of the function and subsequent biochemical underpinnings of this protein could prove useful in the development of therapies to treat leukemia. One such therapy is ribavirin, which successfully targeted eIF4E in poor prognosis acute myeloid leukemia (AML) leading to remissions in some patients. Ongoing trials are focused on increasing the durability and frequency of remissions by combining ribavirin with other agents (www.ribatrial.com).

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. More information on postdoctoral work at IRIC can be found at: <http://www.irc.ca/en/students/postdoctoral-fellowship/>.

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](#).