

## Posting

### POSTDOCTORAL RESEARCHER

**Position Title:**

Postdoctoral Researcher

**Hiring Unit:**

Lady Davis Institute, McGill University

**Supervisor:**

Dr. Ivan Topisirovic

**Work Location:**

3999, Cote Ste-Catherine, Montreal, QC

**Hours per Week & Schedule:**

35hours/week – Mon-Fri

*Depending upon the experimental workflow, incumbent may be required to work on statutory holidays, evenings and weekends*

**Planned Start Date:**

January 2019

**Salary Range:**

\$46-50,000

**Date of posting:**

October 28, 2019

## PRIMARY DUTIES

We are seeking a highly motivated and committed post-doctoral fellow to carry out a recently funded project focusing on how translational and metabolic programs are coordinated during stromal-epithelial interactions in neoplasia. This is a part of a large collaborative project carried out with Dr. Postovit's (Queens University), Dr. Larsson's (Karolinska Institutet) and Dr. Furic's (Peter Mac/Monash) labs, which aims to improve the extent to which we understand how mTOR signaling to translational and metabolic machineries drives cancer plasticity and progression. To this end, the project employs multidisciplinary approaches that combine classical biochemical, molecular and cellular biology assays with newly developed systems biology techniques thereby providing a unique environment for the development of trainees.

Our laboratory has a long-standing interest in studying regulation of translation and metabolism in homeostasis and disease, as illustrated by our publication record:

<https://www.ncbi.nlm.nih.gov/myncbi/18ybg59ijY1km/bibliography/public/>

Our lab is located at the Lady Davis Institute for Biomedical Research (LDI), McGill University in the vibrant city of Montreal. The rich research environment at LDI consists of world renowned experts in basic and clinical research, which, in conjunction with the state-of-the-art core facilities, provides one of the best training experiences in Canada and world-wide.

## EDUCATION/EXPERIENCE

We are interested in candidates with a recent Doctoral degree in Biochemistry, Molecular Biology and/or a related biomedical sciences field. A background in cancer research, with a focus on signaling, mRNA translation or cellular metabolism is preferred. We are specifically seeking an individual who is teamwork proficient and able to multitask. Proven knowledge of basic biochemical, cell and molecular biology techniques (e.g. Western Blotting, IP, PCR, proliferation and survival assays) is a must. Priority will be given to candidates with the expertise in systems biology techniques (transcriptomics, epigenomics, metabolomics, translomics and/or proteomics).

Prospective candidate is encouraged to apply for competitive internal and external funding. Internal funding information: [http://www.mcgillgcr.com/index.php?option=com\\_content&view=article&id=22&Itemid=176](http://www.mcgillgcr.com/index.php?option=com_content&view=article&id=22&Itemid=176)

## HOW TO APPLY

Interested individuals should send their CV and a cover letter describing their interest to Dr. Ivan Topisirovic ([ivan.topisirovic@mcgill.ca](mailto:ivan.topisirovic@mcgill.ca)). Three reference letters will be requested.

***McGill University is committed to equity in employment and diversity. It welcomes applications from indigenous peoples, visible minorities, ethnic minorities, persons with disabilities, women, persons of minority sexual orientations and gender identities, and others who may contribute to further diversification.***