

Four New Principal Investigator Positions in Systems & Synthetic Biology at the Institute for Research in Immunology and Cancer Université de Montréal

The Institute for Research in Immunology and Cancer (IRIC) in partnership with the Faculty of Medicine and the Faculty of Arts and Sciences of the Université de Montréal (UdeM) invites applications for four new Principal Investigator positions in the broad fields of Systems & Synthetic Biology. IRIC and UdeM are committed to developing world class expertise in these interconnected fields. The new Principal Investigators will play a pivotal role in complementing the research strengths of the Institute.

Specifically, outstanding applications are sought in the areas of:

Chemical Biology

with an emphasis on bioactive compound identification, novel bioactive chemical spaces, assay development & novel screening methods, small molecule biosensors, chemical-genetics interaction networks, and pharmacogenomics.

Structural Biology

with an emphasis on mechanisms of enzymatic activity, structure/function of protein machines, structure/function of intrinsically disordered proteins, mode of action of drugs, and molecular dynamics modeling.

Systems Biology

with an emphasis on the characterization and manipulation of complex biological systems at the molecular level, integrative analysis of genome-scale datasets, mechanisms of biological information processing, and mathematical modeling of biological networks.

Synthetic Biology

with an emphasis on genome-scale synthesis and genome engineering, design and applications of novel genetic & protein networks, metabolic engineering, synthetic biosensors, and directed molecular evolution.

Applicants must hold a Ph.D. and/or M.D. degree, and have a strong publication record. Candidates will be expected to develop an innovative, internationally recognized, externally funded research program. Although priority is given to research activities, candidates will also contribute to teaching and to internal committees. IRIC - UdeM offers competitive salary and recruitment packages commensurate with experience and qualifications, a research intensive environment, state-of-the-art facilities and competitive graduate training programs. New Principal Investigators will be cross-appointed in a Department of the Faculty of Medicine or the Faculty of Arts and Sciences of UdeM. Selected candidates may be eligible for a Canada Research Chair. www.chairs-chaire.gc.ca



Applicants should submit a CV, a statement of research interests including future plans, and three letters of reference via the www.academicjobsonline.org website (ID#: 4055) **prior to August 31st, 2014**. The positions will remain open until filled. Only short listed candidates will be contacted. Positions could start as early as January 2015.



For further information: pi.recruit@iric.ca

About IRIC

IRIC is located in a state-of-the-art new building on the main campus of UdeM. It currently hosts 27 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, Flow Cytometry, Genomics, High-Throughput Screening, Histology, Medicinal Chemistry, Proteomics, and one of the largest animal facilities in Canada. The primary objective of IRIC is to elucidate the molecular underpinnings of cancer and to devise innovative approaches to cure cancer. A collegial and curiosity-driven research environment is a key characteristic of the Institute. For more information, please visit us at www.iric.ca.



About the 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 centers of higher education in North America. For more information, please visit www.umontreal.ca.



Confidentiality

The Université de Montréal application process allows all professors in a Department of interest to access all documents unless the applicant explicitly states that access to the application package should be limited to the selection committee. This restriction will be lifted if the applicant is invited for an interview.

Employment Equity Program

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

Immigration Requirements

In compliance with Canadian immigration requirements, priority shall be given to Canadian citizens and permanent residents.