



Reference #: 17079LHP03A-E1711106

***Tenure-Track Faculty Position
Open rank of Assistant Professor
Canada Research Chair (Tier 2) in Functional Genomics of Cancer***

Faculty of Medicine –Department of Human Genetics, McGill University and Genome Quebec Innovation Centre

The Canada Research Chair is also open to internal candidates who already hold a tenure-track or tenured faculty position at McGill University.

Position description

The McGill University and Genome Quebec Innovation Center (MUGQIC) is inviting applications for a tenure-track faculty position at the Assistant Professorial level as part of the expansion of its programs in genomics, quantitative life sciences, and related research into the ethical, legal and policy issues associated with their applications to human health.

MUGQIC is a major research facility located within the medical research complex on McGill's main campus. The Center uses genomics and other large-scale experimental approaches, in combination with bioinformatics and quantitative methods, to address key scientific questions with applications to biomedical research and health. MUGQIC receives core funding in its role as a national facility for genomics and epigenomics, which allows its researchers to benefit from state-of-art instrumentation, including a large next-generation sequencing and informatics capacity. MUGQIC houses the Centre for Genome Policy, which addresses policy issues arising from genomics and other areas of biomedical research. MUGQIC researchers lead initiatives at the University in computational biology, precision medicine and medical genomics.

MUGQIC is home to more than 220 staff and trainees including 16 McGill faculty members. They, along with associate members from other McGill groups and University-affiliated hospitals, work in a dynamic, collaborative environment to advance the Centre's research activities. Other resources, in addition to those cited above, that are available to the Centre's researchers, including platforms for metabolomics, proteomics, genome editing, immune-cell phenotyping, imaging, and animal models.

If the successful candidate satisfies the specific eligibility conditions of the program, the candidate may be supported by the University for nomination to a Tier 2 Canada Research Chair (CRC) in Genomics, which provides protected time for research within a full-time academic appointment.

Tier 2 Chairs are for emerging researchers (individuals who are no more than 10 years from having earned their highest degree). However, career interruptions (e.g. maternity or parental leave, extended sick leave, clinical training, family care, etc.) may be taken into consideration using the [Tier 2 justification process](#) to review the candidate's eligibility. Potential applicants who are more than 10 years from their highest degree with career interruptions may contact the institution to have their eligibility reviewed through the Tier 2 justification process. The eligibility conditions for the CRC chairs are described at http://www.chairs-chaire.gc.ca/program-programme/nomination-mise_en_candidature-eng.aspx#s3.

Job Duties

We are currently seeking individuals with the capacity to conduct vigorous and innovative research as group leaders within the Centre. The successful candidate will be expected to develop an internationally recognized translational research program on cancer genomics in collaboration with the Centre's scientists and others at the University and its affiliated hospitals. They will be expected to have a track record of success in similar endeavors as evidenced by publications of research in internationally recognized journals, and in obtaining grant funding. The candidate is also expected to be actively involved in all aspects of McGill's academic mission (research, teaching, supervision of graduate students and involvement in academic and administrative committees).

Qualifications and Education requirements

Applicants should possess a PhD in the field of human molecular genetics, functional genomics or epigenetics, with training and research experience in functional cancer genomics. Specifically, candidates should be experienced in identifying cancer-driving and actionable genomic alterations through applying high-throughput genomic approaches including microarrays and Next-generation sequencing (NGS) to cancer clinical samples. Experience with NGS analysis of formalin-fixed, paraffin embedded (FFPE) tissue specimens is an advantage. Applicants should also be experienced with cellular and molecular assays to investigate functional relevance of cancer associated genome and epigenome abnormalities in appropriate in vitro and in vivo models, including patient-derived xenografts (PDX). The research programs in genomics are collaborative and experience in multi-institutional consortia is considered a benefit. The expectation is that the applicant is comfortable in full implementation of cancer genomics program including both experimental (wet-lab) and analytical (computational) aspects. Furthermore, successful experience with exploiting cancer genomic data for drug repositioning is a benefit. While experience with different solid tumors is desirable, prior research experience with genomics of renal cell carcinoma is a benefit for this position.

Candidates who do not satisfy the CRC eligibility criteria for a Tier 2 chair are nonetheless invited to apply for the position.

JOB DETAILS

Job Type:

Tenure-track

Rank: Assistant Professor

Job status: Full-time

Salary: Salary will be commensurate with qualifications and experience

Application deadline: 30 days from posting and continue until position is filled

APPLICATION PROCESS

Applications must be submitted on-line at: <http://www.mcgill.ca/medicine-academic/positionsavailable>

The following supporting documents are required:

- a cover letter & curriculum vitae (as 1 pdf document)
- statement of research (if including other documents, combine to make 1 pdf)
- the names and contact information of three referees

Internal applicants to the Canada Research Chair need to submit a recent curriculum vitae and a statement of research interests aligned with the designated subject area for the chair.

COMMITMENT TO EQUITY AND DIVERSITY

McGill University hires on the basis of merit and is strongly committed to equity and diversity within its community. We welcome applications from racialized persons/visible minorities, women, Indigenous persons, persons with disabilities, ethnic minorities, and persons of minority sexual orientations and gender identities, as well as from all qualified candidates with the skills and knowledge to productively engage with diverse communities. McGill implements an employment equity program and encourages members of designated groups to self-identify. Persons with disabilities who anticipate needing accommodations for any part of the application process may contact, in confidence, Professor Angela Campbell, Associate Provost (Equity and Academic Policies) by [email](#) or phone at 514-398-1660.

All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadians and permanent residents will be given priority.