



Reference #: 18001P-180108 and 16020TCTA-170531

*Tenure Track Faculty Position
Open rank of Assistant/Associate Professor
Canada Research Chair (Tier 2) in Neuroscience*

Faculty of Medicine – Department of Neurology and Neurosurgery and the Montreal Neurological Institute

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 Department of Neurology and Neurosurgery and the Montreal Neurological Institute are currently inviting applications for two tenure-track faculty positions in the field of neuroscience at the rank of Assistant or Associate Professor.

McGill University is seeking investigators to conduct advanced brain research in a range of sub-disciplines as part of its Healthy Brains for Healthy Lives (HBHL) initiative. This ambitious project was recently funded at \$84M by the Canadian government and McGill is now seeking to recruit innovative neuroscientists to carry the program forward. HBHL will apply advanced computational strategies to improve our understanding of the normally developing brain, its dynamic circuitry and mechanisms of brain disorders. It will combine broad sets of data - molecular, cellular, systems-level, behavioural and social - within multivariate models of brain structure and function. HBHL will foster a culture of open data-sharing with neuroscientists around the world, in the search for new therapeutic interventions that can be customized to an individual's brain. Finally, HBHL will develop guidelines and recommendations that improve the translation of brain research findings into clinical practice and government policy.

The defining characteristic of the HBHL initiative is trans-disciplinary. Priority will be given to researchers who bridge traditionally distinct fields, such as neuroscience and computer science. Areas of relevance include methodology (imaging-genetics, computational neuroscience, machine learning, neuroinformatics, radiochemistry, neurotechnology), basic neuroscience (cellular and tissue models, animal models, neuroplasticity, learning) and clinical neuroscience (cohort studies, social neuroscience, neuroethics). The current search will focus on 1) computational approaches to molecular, cellular and systems neuroscience; 2) artificial intelligence, machine learning and neural circuits and/or 3) multi-modal imaging approach to study large-scale brain networks, development and cognition. Applicants should have a strong record of research accomplishments and are expected to be actively involved in all aspects of academic life (teaching, student supervision, academic and administrative committees). Successful applicants will collaborate with a large community of basic neuroscientists and clinical researchers in the application of big data approaches to neuroscience. They will be expected to conduct world-class

independent research, obtain regular grant funding and maintain an energetic training environment at the interface between information science and neuroscience.

The MNI is an integral part of McGill University, located in downtown Montreal. The neuroscience community at McGill and in Greater Montreal is one of the largest and most diverse in North America. Montreal is one of the most multicultural and lively cities in North America that offers an extremely high quality of life.

The Montreal Neurological Institute of McGill University has embarked on a journey to set a global precedent as the first academic institute to fully embrace the principles of Open Science. In that context, the Institute highly encourages its researchers to work under these principles.

If the successful candidates satisfy the specific eligibility conditions of the program, the candidates may be supported by the University for nomination to a Tier 2 Canada Research Chair (CRC) in Neurosciences, 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

Successful applicants will be expected to:

- Develop a fundamental and disease-relevant research program in their own areas of expertise and in coherence with the Department of Neurology and Neurosurgery and the Montreal Neurological Institute (MNI).
- Conduct rigorous, externally funded independent research programs augmenting our existing efforts, supervise graduate students, and contribute to teaching.
- Independently acquire sufficient funds to support training of graduate students at the MSc and PhD level.
- Disseminate research findings through peer-review publications, and other knowledge translation and exchange activities.
- Participate in all aspects of McGill's academic mission (ie: teaching, supervision of graduate students and involvement in academic and administrative committees).

Qualifications and Education requirements

- Applicants must have a PhD in Neurosciences or related field, and at least three years of postdoctoral research training. A record of research / scholarly activity will be considered as an asset.

- 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/Associate Professor

Salary: Salary will be commensurate with qualifications and experience

Posting period: 30 days

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.