



Assistant Professor (Tenure Track), Department of Pharmacology and Therapeutics, Pluripotent Stem Cells in Regenerative Medicine (L000066)

Faculty of Medicine and Health Sciences, Pharmacology and Medicine, Meakins-Christie Laboratories (L000066)

Position description

The McGill University Department of Pharmacology and Therapeutics in the Faculty of Medicine and Health Sciences, along with the Meakins Christie Laboratories at the Research Institute of the McGill University Health Centre (RI-MUHC), are inviting applications for a full-time position at the rank of Assistant Professor (Tenure Track).

The McGill University Department of Pharmacology and Therapeutics focuses on basic molecular interactions between drug molecules and target proteins that will lead to the discovery of more selective and effective therapeutic approaches for managing disease. Our research mission is to discover new biomedical knowledge and to apply basic science insights to translate studies that decipher mechanisms of diseases or discover novel diagnostic/therapeutic targets into improved health care. Our degree programs in pharmacology provide a solid foundation in biomedical sciences and prepare individuals for a wide range of career options in universities, hospitals, pharmaceutical and biotech industries, private and public research organizations, consulting companies, and government agencies.

The successful candidate will be based at the McGill University Health Centre (MUHC)—a major teaching hospital affiliated with the Faculty of Medicine and Health Sciences at Canada's internationally renowned McGill University, located in the vibrant and multicultural city of Montreal, in the province of Quebec.

Job Duties

The successful candidate will be expected to establish and grow an externally-funded innovative research program that complements and integrates with existing strengths within the Department. The incumbent will be expected to train graduate students and postdoctoral fellows and will also be expected to contribute to undergraduate, graduate, and medical teaching within the Department of Pharmacology and Therapeutics and possibly more broadly across the School of Biomedical Sciences (SBMS).

The successful candidate will be expected to develop the field of human pluripotent stem cells with a particular focus on deriving cells which can be used for personalized medicine approaches in respiratory

diseases. This includes, but is not limited to, the development of technologies which enable more efficient, precise, safer, or cost-effective reprogramming of adult cells into induced pluripotent stem cells for subsequent differentiation or direct reprogramming technologies. In addition, expertise in deriving new pluripotent stem cell lines to enable three-dimensional ex vivo disease modeling for adult, childhood, or developmental diseases (including rare diseases) is of high interest. This includes organoids, organotypic culture, air liquid interface culture or organ-on-chip technologies.

Researchers working in the broader area of stem cell biology, RNA based reprogramming, gene editing (including CRISPR/Cas9), and/or with expertise in deriving endodermal lineages are encouraged to apply.

The successful candidate will be able to benefit from outstanding training and research environments at McGill University and at the RI-MUHC (<https://rimuhc.ca/>), including the Meakins-Christie Laboratories (<https://meakinsmcgill.com/>), the McGill Regenerative Medicine Network (<https://mrm.research.mcgill.ca/>), the D2R initiative at McGill (<https://www.mcgill.ca/dna-to-rna/>), and the newly established Canadian Excellence Research Chair in Lung Regenerative Medicine (www.lbr-lab.com).

The successful candidate will also be expected to be actively involved in all aspects of McGill's academic mission (i.e., research, teaching, supervision of students and residents, and involvement in academic and administrative committees).

McGill faculty members are expected to contribute to service activities within their units, the University, and the wider scholarly community. A demonstrated commitment to equity, diversity, and inclusion is also expected.

Qualifications and Education Requirements

Candidates must:

- Have a PhD in cell biology, developmental biology, stem cell biology, bioengineering, or a related field with publications demonstrating expertise in pluripotent stem cells (PSCs);
 - Possess relevant postdoctoral experience related to the derivation and use of PSCs for treatment of disease or for disease modeling (e.g., organoids, organotypic slices, or organ-on-chip);
 - Provide evidence of scholarly excellence with the potential to obtain external research funding;
 - Demonstrate a commitment to high-quality teaching, inclusive pedagogy, and effective supervision;
 - Have a clear vision for their independent research program as it relates to advancing the understanding and the treatment of respiratory diseases in development, childhood, or adulthood;
 - Have proven track record of research productivity and effective and synergistic collaboration;
 - Fluency in English is essential; a working knowledge of French, or a commitment to acquiring it within few years of appointment is preferred.
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JOB DETAILS

<i>Job Type:</i>	Tenure-track
<i>Rank:</i>	Assistant Professor
<i>Job status:</i>	Full-time
<i>Salary:</i>	Salary will be commensurate with qualifications and experience
<i>Posting period:</i>	30 days

APPLICATION PROCESS

Applications must be submitted on Workday at:

https://mcgill.wd3.myworkdayjobs.com/en-US/McGill_Careers/job/McIntyre--Medical/Assistant-Professor--Tenure-Track---Department-of-Pharmacology-and-Therapeutics--Pluripotent-Stem-Cells-in-Regenerative-Medicine--L000066- JR0000069278

Use a personal email address when creating an account in Workday to submit your application. Do not use @mail.mcgill.ca or @mcgill.ca email accounts to apply.

Knowledge Base Guide on how to apply for external applicants:

https://www.mcgill.ca/hr/files/hr/workday_guide_for_candidates_extenal_eng.pdf

Knowledge Base Guide on how to apply for internal applicants:

https://www.mcgill.ca/hr/files/hr/workday_guide_for_candidates_internal_eng.pdf

The following supporting documents are required:

- cover letter and curriculum vitae
- statement of research
- names and contact information of three referees

McGill University is committed to equity and diversity within its community and values academic rigour and excellence. We welcome and encourage 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 engage productively with diverse communities.

At McGill, research that reflects diverse intellectual traditions, methodologies, and modes of dissemination and translation is valued and encouraged. Candidates are invited to demonstrate their research impact both within and across academic disciplines and in other sectors, such as government, communities, or industry.

McGill further recognizes and fairly considers the impact of leaves (e.g., family care or health-related) that may contribute to career interruptions or slowdowns. Candidates are encouraged to signal any leave that affected productivity, or that may have had an effect on their career path. This information will be considered to ensure the equitable assessment of the candidate's record.

McGill implements an employment equity program and encourages members of designated equity groups to self-identify. It further seeks to ensure the equitable treatment and full inclusion of persons with disabilities by striving for the implementation of universal design principles transversally, across all facets of the University community, and through [accommodation policies and procedures](#). Persons with disabilities who anticipate needing accommodations for any part of the application process may contact, in confidence, accessibilityrequest.hr@mcgill.ca.

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