

L'Université
de Montréal
et de votre
carrière.

Deeply rooted in Montreal and dedicated to its international mission, Université de Montréal is one of Canada's Top 100 Employers. Like the city whose name it bears, it is effervescent and multicultural.

UdeM attracts over \$500 million in research funding every year, making it one of the three university research hubs in Canada. It also ranks among the best universities worldwide and among the five best French language universities.

Through the achievements of the members of its community, UdeM participates in building today's and tomorrow's world.

Assistant or Associate Professor in Functional Genomics

Department of Biochemistry and Molecular Medicine, Faculty of Medicine

The Department of Biochemistry and Molecular Medicine of the Université de Montréal invites applications for a **tenure track faculty position at the Assistant or Associate Professor level**. We are looking for an ambitious individual who stands out in the **field of Functional Genomics** and intends to develop a strong research program with the goal of gaining a deep mechanistic understanding of the regulatory processes of gene expression through functional genomic approaches. The research themes of primary interest include transcriptional control of gene expression and early mammalian development. We are looking for candidates with a solid training in quantitative sciences (computer sciences, mathematics, physics, and/or biophysics) and modern functional genomics approaches (multiplex assays, single-cell transcriptomics, CRISPR functional screening, etc.), who can integrate their results into multi-disciplinary and quantitative frameworks at different scales of life from unicellular organisms (e.g. bacteria) up to multi-cellular organisms (e.g. human). Integration of machine learning approaches with experimental genomics is a major asset. The successful candidate will consolidate the [research axes of the department](#), as well as those of the basic science sector of the Faculty of Medicine.

The [Department of Biochemistry and Molecular Medicine](#) of the [Faculty of Medicine](#) includes 30 regular professors and over 60 clinical or adjunct professors. As part of a vibrant research environment, research teams address fundamental biomedical research questions in close connection with translational and clinical research conducted in the Faculty of medicine network of affiliated hospital research centers and institutes. The professor will join the Center for Biomedical Innovation, which brings together more than 50 researchers from the five basic science departments of the Faculty of Medicine on the main campus of the Université de Montréal. This new center covers a wide range of research fields, including structural and quantitative biology, cell signalling, host-pathogen-environment interactions, as well as research in neuroscience at both the cellular and system levels, and provides exceptional support through its [scientific platforms](#) maintained by highly qualified research personnel. We aim at identifying, characterizing and understanding the molecular mechanisms that govern gene expression, macromolecular structure and function, environmental microbiology and how cellular and developmental processes become dysregulated in human diseases. We are particularly interested in attracting colleagues who share our commitment to teaching, mentoring, and fostering a collaborative research environment that embraces both excellence and diversity.

The [City of Montreal](#) is a rich environment for sciences and post-secondary education with a strong tradition in scientific research. The candidate will have exceptional opportunities to collaborate with high-calibre scientists on campus and in our affiliated research centers and institutes. The scientific environment of the Université de Montréal offers a rich variety of expertise in functional genomics and bioinformatics. The candidate will also benefit from the high-profile environment in artificial intelligence research established at the Université de Montréal, notably in machine learning and deep learning, through interactions with scientists at [Mila](#) and [IVADO](#) institutes.

As a professor, you will have the opportunity through your teaching and research activities to contribute to the excellence and prestige of the Faculty of Medicine/ Center for Biomedical Innovation/Department of Biochemistry and Molecular Medicine. As such, we expect that you will:

- > Obtain independent funding from federal granting agencies and maintain an active and productive research program;
- > Contribute to the department's teaching mission at both the undergraduate and graduate levels;
- > Supervise graduate students and postdoctoral trainees;
- > Develop a network of national and international collaborations;
- > Contribute to the academic life of the Faculty of Medicine, the Center for Biomedical Innovation and the Department of Biochemistry and Molecular Medicine.

To succeed in this role, you'll need:

- > Hold a Ph.D. in biochemistry (or equivalent) and demonstrate significant post-doctoral or independent scientist experience and productivity in the field of Functional Genomics as described above;
- > Have outstanding experience in this field, which involves the use of advanced scientific methods;
- > Have teaching and training experience (commensurate to the career stage);
- > Have the ability and great interest to work in a team environment;
- > An adequate knowledge of the French written and spoken language or a strong commitment to mastering the proficiency level required, in accordance to [Université de Montréal's Language Policy](#). An institutional learning support program is offered to all professors wishing to learn French or improve their communication skills.

How to submit your application

Applications should include a cover letter outlining your interests and career goals, a curriculum vitae, a three-page description of the proposed research program as well as copies of three relevant publications. Name and contact information for three references are also required. Your application must be emailed **at the latest on August 31st, 2023** to elisabeth.anne.nerette@umontreal.ca and be addressed to:

Pascale Legault, PhD
Chair, Department of Biochemistry and Molecular Medicine
Université de Montréal
P.O. Box 6128, Station Centre-ville
Montréal (Québec) H3C 3J7, Canada
Site Web : <https://biochimie.umontreal.ca/>

Additional information about the position

Reference number	MED 07-23/02
Application deadline	Until August 18 th , 2023 inclusively
Salary	Université de Montréal offers competitive salaries and a full range of benefits
Starting date	As of January 1 st , 2024

DIVERSITY AND INCLUSION

Université de Montréal is strongly committed to fostering [diversity and inclusion](#). Through its *Equal Access Employment Program (EAEP)*, UdeM invites applications from women, Aboriginal people, visible and ethnic minorities, as well as persons with disabilities. We will –confidentially – adapt our recruitment mechanisms to the specific needs of people with disabilities who request it.

UdeM embraces a broad and inclusive definition of diversity that goes beyond applicable laws, and therefore encourages all qualified individuals to apply, regardless of their characteristics. However, in accordance with Canadian immigration requirements, priority will be given to Canadians and permanent residents.

In order to measure the impact of its equity, diversity and inclusion actions, UdeM is collecting data on applicants identifying themselves with one of the groups targeted by the Equal Employment Opportunity Act, namely women, Aboriginal people, visible minorities, ethnic minorities and people with limitations. To this end, we thank you for completing [this self-identification questionnaire](#). The information you provide through this form is **strictly confidential** and will be shared only with those responsible for the UdeM EAEP. If you wish, you may also indicate that you belong to one of the targeted groups in your cover letter, which will be reviewed by the selection committee and the assembly of peers.

Université de Montréal's application process allows all members of the Professor's Assembly to review the application files submitted. If you wish to keep your application confidential until the shortlist is established, please mention it in your application.

