

**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 top three university research hubs in Canada. It also ranks among the top 100 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.

## **Associate or Full Professor with Tenure in Neurocircuitry of learning and memory**

**Department of Neurosciences**

Faculty of Medicine

The Department of Neurosciences invites applications for a full-time faculty position at the rank of Associate or Full Professor in Neurocircuitry (or neurobiology) of learning and memory. The successful candidate will be responsible for developing an independent, competitive, and original research program that addresses mechanistic questions that span the fields of molecular, cellular, systems and computational neuroscience. Priority will be given to researchers that skillfully combines optogenetic tools to target specific cell types, mesoscale multi-photon imaging and multi-electrode recordings in behaving animals. The applicant will use sophisticated computational, machine learning approaches and artificial intelligence to perform innovative analyses of large neural data sets.

This faculty position is tied to the 2022 [Canada Excellence Research Chairs \(CERC\)](#) program and can only be filled by candidates who will be awarded a CERC. The yearly allocation for the institution is \$5M. Under this program, Chairholders will be awarded either \$500,000 or \$1 million per year for a period of 8 years and level of research award will be established as a function of the demonstrated needs of the research program. The successful candidate will be expected to collaborate on Chair application until its submission in September 2022.

**As a professor, you will have the opportunity to contribute to the promotion of excellence in the Faculty of Medicine:**

Through your teaching and your research activities. You will also ensure the visibility of your discipline in addition to actively participate in the operation of a renowned institution.

The successful candidate is expected to develop innovative research platforms in neuroscience, and their applications to understanding the neurobiological basis of behavior, particularly learning and memory. She or he should favor the development and translation of novel technologies in neurosciences, such as viral or gene targeting of different cell types and their application in various animal models. The applicant is expected to undertake a leadership role in the community, but also with talent in the field, both within and outside Canada. Within the University, the applicant should help bridge the strong expertise in cellular and system neuroscience on campus. He or she should foster collaborations between neuroscientists, engineers interested in developing new biomedical technologies (TransMedTech and Polytechnique) and with data scientists and artificial intelligence experts (IVADO and Mila). To do so, the candidate is expected to play a leadership role in existing groups and networks such as *CIRCA* (**Centre Interdisciplinaire de Recherche sur le Cerveau et l'Apprentissage**)

de l'UdeM), whose goal is to facilitate interdisciplinary research on learning on UdeM campus and *UNIQUE* (*Union Neurosciences et Intelligence artificielle QUEbec*), a strategic cluster bridging neuroscience and AI. The CERC Chair holder is also expected to teach at the undergraduate and graduate levels, supervise graduate students, and contribute to the activities of the institution. By joining the Faculty of Medicine as a Tenured Full Professor in neuroscience, the successful candidate will contribute to our mission of leadership in education and medical research, through an innovative and interdisciplinary research program aimed at overcoming society's important neurological challenges.

## Requirements

- » Hold a Ph.D. in neuroscience;
- » Be a full professor with demonstrated innovative research expertise in molecular, cellular and system neuroscience;
- » Have experience in mentoring graduate students, postdoctoral fellows , research associates and other highly qualified personnel;
- » Have applied cutting-edge transgenic and optogenetic systems, large scale neural analysis of specific cell types, and imaging of cell activity in behaving animals;
- » Have demonstrated extensive experience (minimum 20 years) in organizational leadership of academic and research programs spanning molecular, cellular and system neuroscience, outside Canada;
- » Have demonstrated excellent research productivity;
- » Have an adequate knowledge of the French 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

The application file sent to the Department Chair should contain the following documents:

- » A cover letter; application must include in the cover letter one of the following statements: "I am a citizen/ permanent resident of Canada." Or "I am not a citizen or permanent resident of Canada.";
- » Three letters of recommendation;
- » A research statement for a CERC (approximately one page);
- » Your curriculum vitæ;
- » Recent publications or research papers.

Applications must be submitted by email no later than May 29<sup>th</sup>, 2022 to :

**Dr Alexandre Prat, Chairman**  
Department of neurosciences  
Faculty of Medicine  
Email: [nancy.crete@umontreal.ca](mailto:nancy.crete@umontreal.ca)

## Additional information about the position

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<b>Reference number</b>	MED_04_22/09
<b>Application deadline</b>	From April 27 <sup>th</sup> 2022 to May 29th 2022, inclusively
<b>Salary</b>	Université de Montréal offers competitive salaries and a full range of benefits
<b>Starting date</b>	No later than 12 months after the Chair is awarded

## DIVERSITY AND INCLUSION

Université de Montréal is strongly committed to fostering [\*diversity and inclusion\*](#) and has implemented an Equal Access Employment Program (EAEP). UdeM invites applications from women, Aboriginal people, visible and ethnic minorities, as well as persons with disabilities, and persons of minority sexual orientations and gender identities. At any stage of the recruitment process, our selection tools can be adapted to the needs of people living with limitations who request them : they are invited to communicate in confidence with Professor Jean-Pierre Blondin, Associate Vice-Rector, Faculty Affairs, by email or phone at 514-343-6404.

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 further recognizes and fairly considers the legitimate impact of leaves (e.g., parental leaves, delays caused by illness or disability, COVID-19 impacts) that may contribute to career interruptions or slowdowns. Candidates are encouraged to signal any leave that may have had an effect on productivity or on their career path. This information will be carefully weighed to ensure the equitable assessment of candidates records.

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 short list is established, please mention it in your application.

In accordance with Canadian immigration requirements, priority will be given to Canadians and permanent residents.

