CRCHUM
CENTRE DE RECHERCHE

L'Université de Montréal et de votre carrière.

Professor-researcher (assistant or associate) in Neuroscience related to neural regeneration, stem cells and spinal-associated pathologies

Neuroscience Axis, Centre de recherche du Centre hospitalier de l'UdeM (CRCHUM)
Department of Neuroscience, Faculty of Medicine, Université de Montréal (UdeM)

The Neuroscience Research Axis of the CRCHUM and the Department of Neuroscience of the UdeM are inviting applications for a position of professor-researcher (assistant or associate) in neuroscience with focus on understanding the mechanisms of neuronal regeneration and survival, in particular in the spinal cord. The selected candidate will need to develop an independent, competitive, and original research program addressing questions that bridge basic neuroscience with adult neurology, and that incorporates dimensions related to stem cells and spinal cord dysfunctions. Applicants with expertise combining advanced approaches such as genomics, gene therapy, optogenetics, neural activity imaging, or neural network analysis and with the use of human data and samples or of high-level artificial intelligence-based analyses are encouraged to apply. The selected candidate will be expected to contribute to the development and implementation of novel techniques and technologies in neuroscience, notably through the development of collaborations with researchers of the Neuroscience Axis and of other research axes of the CRCHUM.

The Neuroscience Axis of the CRCHUM is primarily dedicated to elucidating the biological, environmental, and social mechanisms underlying diseases of the nervous system, and to developing innovative new therapies to prevent, treat, or cure them. The axis brings together 20 regular researchers (including 11 clinician scientists) working across five main research themes: neurodegeneration/neurorepair, neuroimmunology, epilepsy, neurovascular disorders, and addiction/mental health. The Department of Neuroscience of the UdeM comprises more than 140 experts in basic and clinical neuroscience (neurology and pediatric neurology) who are involved in a wide range of research and training programs across different sites. The department offers an integrated neuroscience education at the undergraduate, master and doctorate levels, and leads medical training in neurology at both the doctoral (MD) and postdoctoral (residency) levels.

Please follow the link to learn more about the Neuroscience Axis of the CRCHUM:
https://www.chumontreal.qc.ca/en/crchum/recherche/axes-recherche/neuroscience
And this one for the Department of Neuroscience: https://neurosciences.umontreal.ca/

Your Role

Through your teaching activities with students and your research program, you will contribute to the development and excellence of the CRCHUM, the Department of Neuroscience, and the Faculty of Medicine of the UdeM. You will also help promote your field of expertise and actively participate in the operation of renowned institutions. In this capacity, you will be expected to:

- Develop and pursue an innovative research program in neuroscience, leveraging state-of-the-art infrastructures available or developed to investigate, among other things, the mechanisms of neuronal regeneration and survival, as well as spinal cord dysfunctions;
- Take on a leadership role within the scientific community, both in Canada and internationally;
- Build connections with existing expertise of the CRCHUM and UdeM. In this regard, the recruited candidate will need to foster collaborations with clinicians and researchers working to understand the biological, environmental, and social mechanisms of nervous system diseases and to develop new therapeutic strategies;
- Teach at all university levels, supervise graduate students and postdoctoral trainees, and contribute to the various activities of the institutions and affiliated centers.

To succeed in this role, you will require

- a Ph.D. or an equivalent university degree;
- a postdoctoral experience in neuroscience related to diseases/injuries of the central nervous system, notably the spinal cord;
- a high-quality research record that includes significant publications and other impactful contributions in basic neuroscience related to neurological diseases and conditions;
- an expertise in experimental approaches such as stem cell technologies, genomics, gene therapy, optogenetics, novel imaging approaches, or neural network analysis;
- the ability to provide high-quality academic teaching and student supervision;
- the skills and motivation to develop research collaborations and to contribute to the activities of the institution and its affiliated centers;
- a sufficient knowledge of the French language or be committed to learning it once hired, notably through the French language support program offered by the UdeM.

How to apply

You are invited to submit a single PDF document that includes the following in this order:

- a cover letter (maximum of three pages);
  **To comply with requirements of the Government of Canada, please include in this letter one of the following statements: "I am a Canadian citizen or permanent resident" or "I am not a Canadian citizen or permanent resident";
- a document detailing the research program to be pursued (maximum of three pages including references);
- a curriculum vitæ;
- up to five publications, including recent research work.

In addition, three letters of recommendation from peers familiar with your training and academic career must be sent to the email address below directly by the individuals who have written these letters.

The application package (a single file) and the letters of recommendation must be submitted by email no later than **February 25, 2026**, to:

Dr. Valérie Mongrain
Manager of the Neuroscience Axis, CRCHUM
Department of Neuroscience, Faculty of Medicine, UdeM
Email (administrative agent): eve.beaulieu.chum@ssss.gouv.qc.ca

Dr Alexandre Prat, Director
Department of Neuroscience, Faculty of Medicine, UdeM

Additional information about the position

Application deadline	February 25, 2026, inclusively
Salary	The CRCHUM and the UdeM offer competitive salaries and a full range of benefits.
Starting date	As of September 1st, 2026 (negotiable)

EQUITY, DIVERSITY, AND INCLUSION

The CRCHUM and the UdeM place the values of diversity, equity, and inclusion at the heart their mission. Thus, the CRCHUM and UdeM embrace a broad and inclusive definition of diversity that goes beyond applicable laws, and therefore encourages all qualified individuals to apply, regardless of their characteristics.

In order to measure the impact of equity, diversity, and inclusion actions, institutions are collecting data on applicants who identify with one of the groups targeted by the Equal Employment Opportunity Act (e.g., women, Indigenous Peoples, visible minorities, ethnic minorities, people with disabilities). The information you provide is strictly **confidential**. If you wish, you may indicate that you belong to one of the targeted groups in your cover letter, which will be reviewed by the selection committee during the selection process.

In addition, if you wish to keep your application confidential until the shortlist is established, please mention it in your application.

2024 Palmarès des 100 meilleurs employeurs

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