



# Become an Assistant or Associate Professor in Cryo-Electron Microscopy

Université de Montréal's [Faculty of Medicine](#) is one of the world's leading French-language medical faculties. In both teaching and research, its mission is to actively contribute to the advancement of knowledge and mastery of skills needed to improve healthcare.

The [Department of Biochemistry and Molecular Medicine](#) offers a dynamic, world-class environment for research and teaching in biochemistry, molecular medicine, human genetics and bioinformatics. It is a top performer in biomedical research and the only centre in Quebec to offer a postdoctoral program in clinical biochemistry.

The [Center for Biomedical Innovation](#) aims to unravel the mysteries of life through cutting-edge fundamental research centered on our [key research areas](#).

## Your day-to-day impact

You will play a pivotal role in fostering excellence within your faculty through research and teaching at the undergraduate and graduate level. You will advance knowledge in your specific area of expertise and actively participate in the daily activities of a world-class university. In this role, your responsibilities will include:

- Actively teach at all levels within the Department of Biochemistry and Molecular Medicine;
- Supervise undergraduate and graduate students, as well as postdoctoral fellows, contributing to their academic and scientific training;
- Develop and maintain an active and productive research program in cryo-electron microscopy and secure independent funding from federal grant agencies;
- Contribute to the academic life of the Department of Biochemistry and Molecular Medicine, the Faculty of Medicine, and the Center for Biomedical Innovation by participating in various committees and working groups;
- Actively contribute to the promotion of the discipline through conferences, the publication of scientific papers, the organization of large-scale scientific events, etc.

## What you'll need to succeed

- Hold a PhD;
- Demonstrate significant experience and productivity at the postdoctoral level or as an independent researcher in the field of cryo-electron microscopy (cryo-EM), specializing in the study of complex biological systems through cryo-electron tomography and/or single particle analysis;
- Exhibit strong expertise in complementary approaches to cryo-EM, such as mechanistic characterization of biological systems, integration of computational techniques or use of correlative light-electron microscopy (CLEM);
- Apply cryo-EM methods to study fundamental biological questions that are relevant to the research focus areas of the Center for Biomedical Innovation;
- Demonstrate an ability to deliver high-quality university-level teaching;
- Demonstrate potential to supervise graduate students;
- Demonstrate the ability to develop internal, national and international collaborations;
- Exhibit ambition, dynamism, and a desire to collaborate;
- Adequate proficiency in the French language or a strong commitment to mastering the proficiency level required upon assuming the position in accordance to [Université de Montréal's Language Policy](#). A French language learning assistance program is offered to all professors who wish to acquire French language skills or enhance their communication abilities.

## Additional information about the position

- A competitive salary combined with a complete comprehensive benefits package;
- Generous startup funds;
- Research space and access to cutting-edge platforms at the Department of Biochemistry and Molecular Medicine and at the Center for Biomedical Innovation, including 200 kV and 300 kV state-of-the-art cryo-electron microscopes;
- A tenure-track position in the Department of Biochemistry and Molecular Medicine at the Faculty of Medicine of UdeM;
- Earliest expected start date on June 1st, 2025;
- Location : Montreal Campus.

## Application process

Submit your application to UdeM before the March 11<sup>th</sup> 2025. Be sure to include the following:

- Cover letter (two pages)
- Curriculum vitae
- Copies of three recent publications or research papers
- Statement of your teaching and supervision philosophy (one page)
- Description of your research program (two pages)
- A copy of your diplomas
- The names and contact information of three (3) individuals who can provide letters of reference

Your application must be submitted as a single PDF file.

Please note that only selected candidates will be contacted for an interview.

### Contact Person

Pascale Legault, Director  
Department of Biochemistry and Molecular Medicine  
Email : [direction@bcm.umontreal.ca](mailto:direction@bcm.umontreal.ca)

We encourage you to complete the [self-identification questionnaire](#). Information on our Equity, Diversity and Inclusion Policy is included at the end of this document.

*In accordance with UdeM appointment procedures, members of the Assembly of Professors may consult all application files. If you would like your application to remain confidential until the shortlist has been decided, please indicate this in your application.*

#### **BENEFITS**

- Medical, paramedical, dental care and travel insurance
- Employee and family assistance program, along with an institutional program for better health and well-being
- Defined benefit pension plan offering a retirement pension with indexing, visit [rrum.umontreal.ca](http://rrum.umontreal.ca)
- Life insurance and disability income insurance

#### **WORK-LIFE BALANCE**

- Up to 2 years of parental leave
- Workload reduction upon return from leave and until the child reaches 2 years of age
- Two on-campus daycare centers
- Summer day camps and during school breaks at the Physical Center of Sports of UdeM
- Compassionate leave

#### **PROFESSIONAL DEVELOPEMENT**

- Startup Fund
- Professional Expenses Allocation Program and Development Leave
- French Language Program
- Study and Research Year
- University Pedagogy Development Activity
- Tuition fee exemption program for yourself, your spouse, or partner, and dependent children

#### **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, Indigenous Peoples, 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.

The University adopts a broad and inclusive definition of diversity that goes beyond applicable laws and encourages all qualified individuals, regardless of their characteristics, to apply for positions. In accordance with current immigration requirements in Canada, please note that priority will be given to Canadian citizens and permanent residents.

The self-identification questionnaire is a voluntary step to promote a diverse and inclusive work and living environment.

The personal information you provide is valuable and will help us improve our practices and comply with current laws.

Personal information is confidential. Be assured that it will be collected and used in accordance with applicable federal and provincial laws, will never be disclosed without your consent, and will not hinder your hiring or career progression at the University of Montreal.