

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 Quantum Machine Learning

Department of Computer Science and Operations Research
Faculty of Arts and Sciences

Job description

The Department of Computer Science and Operations Research invites applications for a full-time, tenure-track position at the rank of Assistant or Associate Professor in quantum machine learning, with an interest in applying their expertise in materials science. The appointed candidate will have the possibility to join the newly created [Institut Courtois](#), in materials science for blue-sky research, to apply for membership with [Mila](#), the largest academic research group in the area of deep learning worldwide, and to become an academic member of the [IVADO](#) data science community. In addition, in the case of internationally outstanding profiles, the successful candidate will also be strongly considered for a Research Chair of [Institut Courtois](#).

Responsibilities

The appointed candidate will be expected to teach undergraduate and graduate courses, supervise graduate students, be active in research, publishing, and the diffusion of knowledge, and contribute to the activities of the University.

Requirements

- > Ph.D. in Computer Science or in a related field;
- > Expertise in quantum algorithms relevant to quantum machine learning;
- > An excellent publication record in the discipline: the candidate should have published in top-tier venues;
- > Demonstrated ability to deliver high-quality university education;
- > 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

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

- > A cover letter, including a summary of the motivation for applying and the pertinence of the candidacy for a chaired professor position in the [Institut Courtois](#) in materials science for blue-sky research; to conform to requirements from the government of Canada, your cover letter should include one of the following statements: "I am a citizen/permanent resident of Canada." or "I am not a citizen or permanent resident of Canada.";

- > A curriculum vitae;
- > Copies of up to three (3) recent publications demonstrating the candidate's research performance at the highest levels of the field;
- > A teaching statement (maximum one page);
- > A research statement (maximum two pages);
- > Three letters of recommendation are also to be sent directly to the Department Chair by the referees.

Application package and letters of recommendation must be sent **by email** before **January 5th, 2024** to:

Sylvie Hamel, Chair

Department of Computer Science and Operations Research

Faculty of Arts and Sciences, Université de Montréal

Email : directeur-QL@iro.umontreal.ca

Website : www.diro.umontreal.ca

We strongly recommend that you complete [this self-identification questionnaire](#). You will find more information about this step in the Diversity and Inclusion section at the end of this document.

Additional information about the position

Reference number	FAS 11-23 / 29
Application deadline	Until January 5 th , 2024 inclusively
Salary	Université de Montréal offers competitive salaries and a full range of benefits
Starting date	As of June 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, 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.

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, Indigenous Peoples, visible minorities, ethnic minorities and people with limitations. To this end, we thank you for completing the 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.

