

Canada Excellence Research Chairs (CERC)

Innovative Materials and Processes

Deadline: January 17, 2022

The [Université de Montréal](#) is seeking outstanding candidates for the current **Canada Excellence Research Chairs** (CERC) competition. The [CERC program](#), Canada's most prestigious Research Chair program, is designed to attract world-renowned researchers and their teams to launch ambitious research programs at Canadian universities. Through this program, Chairholders will be awarded up to \$1 million per year for a period of 8 years.

High-profile candidates are invited to express their interest **no later than January 17, 2022**. At this stage, applications will be treated confidentially.

The objectives of the program remain to:

- Strengthen Canada's ability to attract the world's top researchers, in order to be at the leading edge of breakthroughs in ST&I priority areas expected to generate social and economic benefits for Canadians;
- Help Canada build a critical mass of expertise in ST&I priority areas identified by the Government of Canada;
- Create a competitive environment to help Canadian institutions, in their pursuit of excellence in their research, attract a cadre of world-leading researchers; and
- Contribute to branding Canada as a location of choice for world-leading research, science and technology development, alongside other federal programs with similar objectives;

Details on the area of excellence

The overall objective of this CERC is to contribute ambitiously to the development of the sector of excellence dedicated to **Innovative Materials and Processes**.

Materials science is at the heart of countless technological advances and can create new opportunities in many areas, including manufacturing, industry and medicine. The Université de Montréal stands out for its ability to link experts in artificial intelligence with leaders in designing and producing new materials.

The Université de Montréal has developed unique expertise in areas such as molecular assembly, low-dimensional materials, physical chemistry of polymers, catalytic conversion, non-equilibrium processes, surface and interface engineering, biological fabrics and membranes, bio-based materials, and quantum materials.

The Université de Montréal also targets innovative uses of new materials in a wide range of applications, while examining social acceptability and impact of these new materials and processes on health and environment. These goals reflect an overarching perspective of eco-responsibility and include, among other things, initiatives to develop sustainable materials and processes for energy transition and mobility of tomorrow.

Applicant profile

Senior applicants with world-renowned expertise and currently holding positions in academia, government or industry are welcome. The Chairholder is expected to initiate and develop new avenues of research, and to enhance further the visibility and impact of the Université de Montréal as a hub of excellence in collaborative and innovative interdisciplinary research. The successful candidate will integrate a vibrant community, lead a trailblazing interdisciplinary team and actively contribute to knowledge mobilization within and beyond the academic community.

Strong principles of equity, diversity and inclusion (EDI) must underlie the team composition (students, postdoctoral fellows, highly qualified personnel, early career researchers) as well as the research design.

Academic appointment to a tenured position at the level of full or associate professor is a prerequisite and will be conducted in strict compliance with the hiring procedures in place at the Université de Montréal.

Instructions for expressing interest

Interested candidates can send their application to the following e-mail address vrr@umontreal.ca, **no later than January 17, 2022**.

The application must include :

- A cover letter;
- A detailed curriculum vitae;
- A brief statement of the current and future research program as it relates to the area of excellence (1 page);

For more information and any questions, please contact: vrr@umontreal.ca

About Université de Montréal

The Université de Montréal is the world's leading research French-language university, according to major international rankings. With its affiliated schools, HEC Montréal and Polytechnique Montréal, it ranks 4th in Canada in terms of research activities. It is also the largest university in Montréal, a city recognized as one of the best in the world for its quality of life and the size of its university sector. The Université de Montréal offers competitive salaries and a full range of benefits.

The Université de Montréal, a French-language university, recruits the best specialists worldwide. It ensures, in accordance with the [Université de Montréal's language policy](#), that newly recruited professors who are not fluent in French benefit from an institutional program to support them in acquiring French language skills over a number of years.

Commitment to Equal Employment Opportunity

The Canada Excellence Research Chairs Program aims to achieve excellence in research and research training while strengthening the promotion of best practices in equity, diversity and inclusion. The Université de Montréal fully subscribes to these objectives and, through its Equal Access Employment Program, invites applications from women, visible minorities, ethnic minorities, Aboriginal people, and persons with disabilities. It also invites applications from people of all sexual orientations and identities. At the applicant's discretion, identification to one or more than one of the abovementioned groups can be indicated in the motivation letter.

The Université de Montréal recognizes that career interruptions can have an impact on an individual's record of achievement, without diminishing its excellence. If applicable, candidates are encouraged to explain the circumstances of any interruption and its impact on their career path and record.