Canada 150 Research Chairs Nominees
Faculty of Science

McMaster University’s Faculty of Science is seeking outstanding, internationally based researchers (including Canadian expatriates) in the areas of Fundamental Exploration; Biological Systems and Health; and Water and Environmental Science, and at all career stages for consideration as Canada 150 Research Chairs nominees.

The Canada 150 Research Chairs program will invest $117.6 million to enhance Canada’s reputation as a global centre for science, research and innovation excellence, in celebration of Canada’s 150th anniversary. It will provide Canadian universities with a one-time investment to attract top-tier, internationally based scholars and researchers (including Canadian expatriates) to Canada.

Only researchers who are internationally based at the time of the application (both working and residing outside of Canada), including Canadian expatriates, are eligible for the program. Researchers who are already at a Canadian institution are not eligible. Please consult the Canada 150 Research Chairs website for full program information, including further details on eligibility criteria.

Founded in 1887, McMaster University is one of only four Canadian universities consistently ranked in the Top 100 in the world. Home to more than 70 research centres and institutes, McMaster is comprised of six faculties: The DeGroote School of Business, and the Faculties of Engineering, Health Sciences, Humanities, Science, and Social Sciences. A medical-doctoral, research-intensive university, McMaster is dedicated to teaching, learning and service. With a total full-time student population of close to 28,000, McMaster welcomes students from 98 countries as well as Canada.

McMaster’s main campus, located in the Westdale neighbourhood of Hamilton, Ontario, is comprised of 300 acres of scenic property at the western end of Lake Ontario, between Toronto and Niagara Falls. Our 30-acre central core is designated for pedestrians and bicyclists. Nearby attractions include Cootes Paradise, the Bruce Trail, the Waterfront Trail, the Royal Botanical Gardens, and the Niagara Escarpment, a UNESCO World Biosphere Reserve.

The Faculty of Science at McMaster includes 8 departments and schools, with over 6600 undergraduate and graduate students currently enrolled. We employ approximately 195 full-time faculty members, including 16 Canada Research Chairs, and attract approximately $30M in annual research funding. Our mission is to advance scientific discovery and knowledge, and to promote scientific literacy and understanding in our community. Our vision is to be the leading Faculty of Science in Canada and among the world’s best in strategic areas of strength through innovation, creativity, and excellence in research, education, scholarship, and service.

McMaster values a diverse community and encourages applications from highly qualified candidates with skills and abilities that will contribute to the values of equity, diversity and inclusivity in research, teaching and the workplace. McMaster has a strong commitment to employment equity and encourages applications from women, persons with disabilities, Indigenous persons, members of
racialized communities and LGBTQ-identified persons. We also appreciate that these identity positions do not occur in isolation from one another.

**Strategic Areas of Recruitment in Science**

The Faculty of Science seeks to attract applicants for the C150 Chairs competition in the following strategic areas:

I. **Fundamental Exploration**

Fundamental research is the foundation of the research enterprise in the Faculty of Science and we constantly seek to build strength in discovery-based research. We see fundamental exploration as the area where the development of theory, experimentation and advanced computation provide the raw materials to create a better understanding of ourselves and the world — past, present and future — around us. We seek researchers in new and emerging cross disciplinary areas in fields as diverse as materials-related research to astronomy.

II. **Biological Systems and Health**

The Faculty of Science seeks to build intensity in areas of research that impact human health, defined in the broadest of terms as any research question with the potential to impact human and societal health and quality of life. As such our diverse research areas include: creating greater understanding of basic biological function; developing medical probes and better diagnostic tests to treat and assess disease; unlocking clues to healthy aging; and data driven exploration of issues in urban planning.

III. **Water and Environmental Science**

Within the Faculty of Science, environmental research efforts encompass modeling and predicting changes in the environment, and understanding our impact on the environment and conversely the impact of the environment on humans and other species. Applicants with interests related to the intersection between freshwater, the environment and health are particularly encouraged to apply.

**Selection Criteria**

McMaster’s nominees for the Canada 150 Research Chairs program will be selected in accordance with the following criteria:

1. **Research/academic merit of the candidate**
   - The quality of the candidate’s research track record, as measured through bibliometric evidence or other measures of research productivity and impact.
   - The candidate is a top-tier, internationally based researcher whose accomplishments have made a major impact in their fields (as appropriate based on career stage).

2. **Potential contribution of the candidate to the research enterprise at McMaster and in Canada**
   - The potential contribution of the research chair in enhancing the research landscape at McMaster and in Canada, such as:
     - filling a gap within existing expertise;
     - building research capacity in new fields or increasing critical mass in existing areas;
     - contributing to the values of equity, diversity and inclusivity in research, teaching and the workplace.
• likelihood that the work of the candidate will advance the reputations of McMaster and Canada as a global centre for science, research and innovation excellence; and
• potential for the candidate’s expertise to create social and economic advantages for Canada.

How to Apply
Interested applicants should submit PDF documents addressed to Gianni Parise, Associate Dean of Research & External Relations, Faculty of Science. The following should be sent to adrscl@mcmaster.ca:
• a letter of application demonstrating how the candidate meets the selection criteria outlined above;
• curriculum vitae;
• statements of research and teaching interests and a description of how the candidate has or will advance the University’s commitment to building an inclusive community and to fostering a culture which embraces and promotes the rich diversity of the campus community (activities may include diversity-related programming, committee work and/or mentoring women and/or other groups that have been historically marginalized or disadvantaged.);
• a selection of research publications; and
• the names and contact information of at least three referees (with postal and email addresses) who are established authorities in the field, who are not in a conflict of interest, and at least one of which is from a recognized international authority in the candidate’s field who does not reside in the country in which the candidate is currently working.
• In our efforts to fulfill our commitment to the diversity, equity and inclusivity, you are invited to complete a brief diversity survey as part of the application process. This survey can be found at https://surveys.mcmaster.ca/limesurvey/index.php/454487?lang=en. The survey is voluntary and will take approximately two minutes. All information collected is confidential and will not be shared with the selection committee. The results of the survey are for institutional planning purposes, and support our efforts to promote diversity, equity, and inclusivity.

McMaster University recognizes the potential impact that career interruptions and personal circumstances (e.g., pregnancy, early childcare, eldercare, illness, etc.) can have on a candidate’s record of research achievement. We encourage candidates to explain in their applications the impact that career interruptions, or other issues may have had as described under “Career Interruptions” at CRC’s Guidelines for ensuring a fair and transparent recruitment and nomination process at http://www.chairs-chaires.gc.ca/program-programme/equity-equite/recruitment-recrutement-eng.aspx. Further detail may be found under Guidelines for Assessing the Productivity of Nominees at http://www.chairs-chaires.gc.ca/peer_reviewers-evaluateurs/productivity-productivite-eng.aspx#career.

Applications are requested by July 31, 2017.
Employment Equity Statement

McMaster University is located on the traditional territories of the Haudenosaunee and Mississauga Nations and, within the lands protected by the “Dish With One Spoon” wampum agreement.

In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University strives to embody the values of respect, collaboration and diversity, and has a strong commitment to employment equity. The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. The University seeks qualified candidates who share our commitment to equity, diversity and inclusivity. While all qualified candidates are invited to apply, we particularly welcome applications from women, persons with disabilities, First Nations, Métis and Inuit peoples, members of visible minorities, and LGBTQ+ persons.

Job applicants requiring accommodation to participate in the hiring process should contact the Human Resources Service Centre at 905-525-9140 ext. 222-HR (22247) or the Faculty of Health Sciences Human Resources office at ext. 22207 to communicate accommodation needs.