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Canada Research Chair (Tier 2) and Canada Impact+ Emerging Leader Opportunity in Radiopharmaceutical Sciences and Molecular Imaging

Date of online Posting: Oct 22, 2026

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.

The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. 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.

This posting is targeted to the Four Designated Groups as defined by the Canada Research Chairs (CRC) Program: women and gender equity-seeking groups, persons with disabilities, Indigenous Peoples (First Nations, Métis and Inuit peoples) and racialized individuals. We encourage individuals with these identities to apply.

Position Description

The Faculty of Health Sciences at McMaster University invites applications from exceptional emerging scholars for a faculty position in the Department of Medical Imaging in the area of **Radiopharmaceutical Sciences and Molecular Imaging**. The successful candidate will be appointed at the rank of Assistant Professor or Associate Professor, commensurate with qualifications and experience.

This recruitment will identify a candidate for appointment as McMaster University's **Canada Impact+ Emerging Leader** and nomination for a **Canada Research Chair (Tier 2)**, subject to eligibility, institutional approval, and the requirements of the respective programs. Candidates must independently satisfy the eligibility requirements of both programs. The recruitment process has been designed to meet the requirements of both the Canada Impact+ Emerging Leaders Program and the Canada Research Chairs Program.

Applicants must hold a PhD and/or MD (or equivalent doctoral degree) in a relevant discipline. This is a Faculty requirement and is not a requirement of either the Canada Impact+ Emerging Leaders Program or the Canada Research Chairs Program.

The successful candidate will establish an internationally recognized research program in Radiopharmaceutical Sciences and Molecular Imaging and join a rapidly expanding research ecosystem that includes newly recruited leaders in radiopharmaceutical development, molecular imaging, and nuclear medicine clinical trials at McMaster University.

Researchers benefit from access to unique infrastructure that includes the McMaster Nuclear Reactor, cyclotron-based isotope and radiotracer production capabilities, GMP-compatible radiopharmaceutical manufacturing and radiochemistry facilities, advanced imaging platforms, and integrated clinical research programs. The successful candidate will collaborate with investigators

across Medical Imaging, Oncology, Medicine, Engineering, Science, Hamilton Health Sciences, St. Joseph's Healthcare Hamilton, and the newly established McMaster Institute for Radiopharmaceutical Imaging and Therapy (MIRIT).

As one of Canada's emerging centres for radiopharmaceutical innovation, McMaster is making significant institutional investments to integrate isotope production, radiochemistry, imaging science, clinical translation, and commercialization within a single academic health sciences environment. This position offers the opportunity to help shape the next phase of growth in radiopharmaceutical imaging and therapy while advancing novel radiopharmaceuticals, molecular imaging technologies, and multicentre clinical research programs in nuclear medicine and theranostics.

Canada Impact+ Emerging Leaders is a $120 million investment by the Government of Canada to help institutions recruit more internationally based early career researchers in areas of strategic priority. Emerging Leaders are expected to have an independent program of research, with potential for impact through collaborations with, but not limited to, Canada Impact+ Research Chairs. Tier 2 Chair awards provide $100,000 per year to the institution for five years and are renewable once. First-term Tier 2 Chairholders also receive a $20,000 annual research stipend. The Canada Impact+ Emerging Leader award provides $100,000 per year for six years, with the possibility of a six-year extension, subject to the requirements of the Canada Impact+ Emerging Leaders Program.

Canada Impact+ Emerging Leader candidates must:

- be internationally based (both working and residing outside of Canada) at the time that the Impact+ chair accepts the award;
- be excellent emerging world-class researchers who have demonstrated research creativity;
- have demonstrated the potential to achieve international recognition in their fields in the next five to ten years;
- have the potential to attract, develop and retain excellent trainees, students and future researchers;
- be proposing an original, innovative research program of high quality; and
- be willing and able to start the position, on a full-time basis, by June 1, 2027.

Tier 2 Canada Research Chairs are intended for exceptional emerging researchers who have demonstrated research creativity, the potential to achieve international recognition, the ability to attract and mentor outstanding trainees, and the capacity to develop an original, high-quality research program. Tier 2 nominees must be emerging researchers who, at the time of nomination, are within 10 years of their first independent academic research-related appointment, subject to the Canada Research Chairs Program's Tier 2 eligibility provisions. Candidates whose research careers have been interrupted by eligible circumstances, such as parental leave, extended sick leave, clinical training, or family care, may have their eligibility assessed through the *Tier 2 Justification process*.

Please contact Michelle Czerwinski, Associate Director, Research Administration and Infrastructure, Health Research Services, FHS at mczerwinski@mcmaster.ca for more information about the justification process.

Full program information, including further details on eligibility criteria, can be found at the Canada Research Chairs website at Nominate a Chair (chairs-chaires.gc.ca). All nominations for CRCs are subject to review and final approval by the CRC Secretariat.

The successful candidate must demonstrate a clear and ambitious vision for both continuing and further developing McMaster's Faculty of Health Sciences strengths in biomedical research, as well as advancing McMaster University's Strategic Research Plan.

The successful candidate will be expected to develop and sustain an internationally competitive research program, contribute to undergraduate and graduate teaching, supervise and mentor graduate students and postdoctoral fellows, foster interdisciplinary collaborations, and contribute to the Faculty's commitment to research excellence, equity, diversity, inclusion, and collegiality.

Questions about this position can be addressed to Dr. Jonathan Bramson, Vice Dean Research at fhsvdr@mcmaster.ca.

About the University

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.

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.

Founded in 1887, McMaster University is ranked among the top 100 public universities in the world (Times Higher Education World University Rankings, 2025). Home to 70 research centres and institutes, the University is comprised of six faculties: the DeGroote School of Business, and the Faculties of Engineering, Health Sciences, Humanities, Science, and Social Sciences. Ranked second in Canada for faculty research intensity (Research Infosource, 2025), we are dedicated to fostering an equitable, diverse and inclusive environment where innovation and creativity thrive. With a diverse student population of more than 37,000, McMaster aims to serve the social, cultural and economic needs of our community and society at large by inspiring critical thinking, personal growth, and a passion for lifelong learning.

McMaster University is building a nationally distinctive ecosystem for radiopharmaceutical sciences, molecular imaging, and nuclear medicine research. Researchers benefit from access to unique infrastructure including the McMaster Nuclear Reactor, cyclotron-based radioisotope production, advanced radiochemistry facilities, leading clinical imaging platforms, and the newly established McMaster Institute for Radiopharmaceutical Imaging and Therapy (MIRIT). Together with Hamilton Health Sciences, St. Joseph's Healthcare Hamilton, and national and international collaborators,

McMaster offers an exceptional environment for advancing radiopharmaceutical innovation from discovery to clinical application.

The successful candidate will have the opportunity to contribute to the continued growth of McMaster's radiopharmaceutical and molecular imaging programs and to help strengthen emerging Canadian networks for nuclear medicine and radiopharmaceutical clinical research. Collaborative partnerships across academia, healthcare, and industry provide opportunities for translational research, clinical trials, commercialization, and workforce development.

McMaster has a vision to use our collective skills, knowledge, and understanding to improve the world and to make an impact in addressing the big issues we face. In committing to that vision, we are also focused on the promotion of inclusive excellence, recognizing the critical role that diversity of identity, background and perspective play in harnessing creativity and innovation, and the importance of building inclusive and collegial teams within our community.

The Faculty of Health Sciences at McMaster University is internationally recognized for excellence in health research, education and innovation. Through the Department of Medical Imaging and its close partnerships with Hamilton Health Sciences, St. Joseph's Healthcare Hamilton and regional research institutes, faculty have access to outstanding clinical populations, advanced imaging technologies and a highly collaborative translational research environment. McMaster researchers benefit from world-class shared research infrastructure, interdisciplinary collaborations spanning engineering, medicine and the health sciences, and internationally recognized strengths in precision medicine, clinical trials, health research methodology and biomedical innovation. These strengths provide an exceptional environment for advancing discoveries in molecular imaging and radiopharmaceutical sciences from laboratory development through clinical translation.

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 inclusion. While all qualified candidates are invited to apply, we particularly welcome applications from all underrepresented, equity-seeking, rights-seeking populations, including racialized individuals, Indigenous Peoples, persons with disabilities, women, and individuals from the 2SLGBTQIA+ community.

About the Department of Medical Imaging

The **Department of Medical Imaging** at McMaster University is home to over 110 full-time faculty clinicians, scientists, educators, and trainees working across diagnostic radiology, nuclear medicine, molecular imaging, and imaging-related research. The department contributes to McMaster's missions of patient care, education, research, and innovation, and maintains collaborative relationships across the Faculty of Health Sciences, affiliated hospitals, and research institutes.

How to Apply

Applicants should submit:

- a letter of interest (maximum 5 pages) describing your qualifications in research, teaching and service, and summarizing your research plans for the position;
- your letter of interest should include a separate brief statement describing the contributions you have made or plan to make to in equity, diversity and inclusion in teaching, research, or service in academic, professional or community contexts;
- a full curriculum vitae;
- contact information for 3 referees, (who will be contacted only for short-listed applicants)

Letters should be addressed to: Dr. Julian Dobranowski, Professor and Chair, Department of Medical Imaging

All materials must be submitted to the University's electronic application portal on the McMaster Careers page (Mosaic Job posting ID 79370) by December 1, 2026, to ensure full consideration. Review of complete applications will begin December 1, 2026, although applications submitted after this deadline will be reviewed until the position is filled.

The Canada Research Chairs Program and the Canada Impact+ Emerging Leaders program require institutions to collect self-identification data from all applicants, in accordance with best practices. As part of McMaster's efforts to fulfill our commitment to equity, diversity and inclusivity, all applicants will be required to submit a brief diversity survey via the online application system, as part of the application process. While completion and submission of the survey is mandatory, applicants may decline to answer any of the questions. Applicant self-identification information is confidential and access is limited and restricted to designated individuals. For more information, please refer to the Applicant Diversity Survey – Statement of Collection. Should you have any further questions about the survey, please contact hr.empequity@mcmaster.ca.

McMaster University recognizes that life circumstances such as illness, disability, family and community responsibilities (e.g., maternity leave, parental leave, leaves due to illness, leaves due to caring for family members, slowdowns due to chronic illness or disability, or COVID 19 impacts) are often an expected part of life and are likely to have an impact 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" in the CRC

program's Guidelines for ensuring a fair and transparent recruitment and nomination process. Further detail may be found under Guidelines for Assessing the Productivity of Nominees. These impacts will be taken into careful consideration during the assessment process.

Please note, a research security review of candidates being considered for the Canada Impact+ Emerging Leader position will be undertaken by McMaster University. Applicants are encouraged to refer to the Government of Canada's safeguarding your research website for further information on the identification and mitigation of security risks.

As noted in our Accessibility Policy, McMaster University is committed to fostering a culture of accessibility, eliminating barriers, and providing reasonable accommodations to ensure equal opportunities and access for individuals with disabilities. Applicants requiring accommodation to participate in the hiring process should contact Rachelle Parent, Senior Human Resources Strategic Partner in the Faculty of Health Sciences Human Resources Services (905-525-9140 ext. 22207 or parenr1@mcmaster.ca) or Faculty Relations (905-525-9140 ext. 24063) to communicate accommodation needs and/or the Human Resources Service Centre at hr.mcmaster@mcmaster.ca or 905-525-9140 ext. 222-HR (22247) to communicate accommodation needs.

Vaccination Mandate - FHS

This position is located in a host hospital or other healthcare site that has an active vaccination mandate in place. Successful applicants will need to comply with these and any other health and safety measures necessary as part of their appointment.

AI Statement

McMaster and its third-party partners may use AI tools to screen, assess, or select applicants during the hiring process. Please note that currently our recruitment platform does not use AI nor is it part of our current recommended recruitment process.