

Career Opportunities

NSERC Tier 2 Canada Research Chair in Molecular Imaging

FOS, Physics

Posted: December 5, 2017
Deadline to Apply: Monday, January 15, 2018

The Opportunity

The Department of Physics at Ryerson University invites applications for a Natural Sciences and Engineering Research Council of Canada (NSERC) Tier 2 Canada Research Chair (CRC) position in Molecular Imaging. Tier 2 chairs, tenable for five years and renewable once, are for emerging researchers acknowledged by their peers as having the potential to lead in their field. The successful candidate will be appointed to a tenure-track position at the rank of Assistant Professor beginning July 1, 2018. Applicants who recently reached the Associate Professor rank may be considered. The successful candidate will develop, with Ryerson University, the CRC application for the October, 2018 deadline, with the goal of being awarded the Tier 2 CRC in April, 2019. This position is subject to final budgetary approval.

We are seeking an outstanding emerging scholar in Molecular Imaging to join our very active research and innovation environment. Molecular imaging includes fundamental research related to molecular medicine/biophysics and deciphering the physical principles of biological organization at the interface of physics and biology at both the cellular and molecular levels. Applications of the research may include novel treatments, prevention strategies, and early diagnostics.

The Department, housed in the Faculty of Science, currently hosts 16 full time and 28 adjunct faculty members, 8 staff members, 7 postdoctoral fellows, over 50 graduate and over 200 undergraduate students. The Department offers an undergraduate honours degree in Medical Physics and Master's and Doctoral degrees in the field of Biomedical Physics with an option in Medical Physics accredited by the Commission on Accreditation of Medical Physics Education Programs (CAMPEP). Members of the Department are affiliated with the Institute of Biomedical Engineering and Science Technologies (IBEST), a joint venture with St. Michael Hospital and through innovative collaborative agreements at the Odette Cancer Centre at Sunnybrook Hospital which enables translation of research findings. We invite you to visit our [website](#) to learn more about us.

Responsibilities

The incumbent will be expected to develop and maintain a strong, independent, externally-funded and internationally recognized research program, supervise graduate students, effectively teach at both the undergraduate and graduate levels, and engage in collegial service.

Qualifications

Tier 2 Canada Research Chairs are intended for exceptional emerging scholars (i.e., candidates must have been an active researcher in their field for fewer than 10 years at the time of nomination). Applicants who are more than 10 years from having earned their highest degree (and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 chair assessed through the program's [Tier 2 justification process](#). Please contact the research office by sending an email to vpri@ryerson.ca with "Tier 2 Justification" in the title. To meet the criteria of the CRC program, candidates must demonstrate potential to achieve international recognition in their fields in the next five to ten years, as well as capacity as chairholders to attract, develop and retain excellent trainees, students and future researchers. Accordingly, candidates shall be assessed for excellent emerging world-class research of high quality that is original, innovative and particularly creative. All Chairs are subject to review and final approval by the CRC Secretariat. Please consult the [Canada Research Chairs website](#) for more information about the CRC program and eligibility.

In addition to the above, candidates must have an earned PhD in Physics or a related discipline and must show evidence of high quality, effective teaching and student training, and collegial service (e.g. excellent student evaluations, well-defined teaching philosophy, experience teaching at the undergraduate and graduate levels, curriculum revision/development, etc.)

Candidates must have a demonstrated commitment to our values of Equity, Diversity, and Inclusion as it pertains to service, teaching, and scholarly research or creative activities, including an established ability to make learning accessible and inclusive for a diverse student population.

Equity at Ryerson University

At the intersection of mind and action, Ryerson is on a transformative path to become Canada's leading comprehensive innovation university. Integral to this path is the placement of equity, diversity and inclusion as fundamental to our institutional culture. Our current [academic plan](#) outlines each as core values and we work to embed them in all that we do.

Ryerson University welcomes those who have demonstrated a commitment to upholding the values of equity, diversity, and inclusion and will assist us to expand our capacity for diversity in the broadest sense. In addition, to correct the conditions of disadvantage in employment in Canada, we encourage applications from members of groups that have been historically disadvantaged and marginalized, including First Nations, Metis and Inuit peoples, Indigenous peoples of North America, racialized persons, persons with disabilities, and those who identify as women and/or 2SLGBTQ+. Please note that all qualified candidates are encouraged to apply; however, applications from Canadians and permanent residents will be given priority.

As an employer, we are working towards a people first culture and are proud to have been selected as one of Canada's Best Diversity Employers and a Greater Toronto's Top Employer for 2015, 2016 and 2017. To learn more about our work environment, colleagues, leaders, students and innovative educational environment, visit www.ryerson.ca, check out [@RyersonU](#), [@RyersonHR](#) and [@RyersonEDI](#) on Twitter, and visit our [LinkedIn company page](#).

How to apply?

Applicants should submit their application online via the Faculty Recruitment Portal (click on "Start Application process" Above

to begin). The application must contain the following:

- A letter of interest and curriculum vitae.
- A detailed research plan of no more than 5 pages.
- A teaching dossier and results of teaching evaluations.
- Three letters of reference from colleagues or collaborators to be submitted by the referees directly to physics.dhc.crc2@ryerson.ca.

Please indicate in your application if you are a Canadian citizen or a permanent resident of Canada.

Ryerson recognizes that scholars have varying career paths and that career interruptions can be part of an excellent academic record. Candidates are encouraged to provide any relevant information about their experience and/or career interruptions to allow for a fair assessment of their application. Search committee members have been instructed to give careful consideration to diverse experiences and knowledges, and be sensitive to the impact of career interruptions in their assessments.

Applications and any confidential inquiries can be directed to the hiring committee Chair Dr. Carl Kumaradas at ckumarad@ryerson.ca. Review of applications will begin after **January 15, 2018**, and will continue until the position is filled. We thank applicants in advance for their applications; however, only applicants under consideration will be contacted about their candidacy.

It is critical to Ryerson's success to remove barriers and correct the conditions of disadvantage in Canada for under-represented groups. For this reason, by separate communication we will be inviting all applicants to voluntarily complete an online Diversity Self-ID questionnaire. The information collected will remain confidential. The communication will provide details on who will have access to the data and how it will be used.

Any inquiries regarding accessing the Faculty Recruitment Portal can be sent to Mr. Lindsay Wiener, HR Advisor, at lwiener@ryerson.ca. Aboriginal candidates who would like to learn more about working at Ryerson University are welcome to contact Ms. Tracey King, M.Ed., Aboriginal HR Consultant, Aboriginal Recruitment and Retention Initiative, at t26king@ryerson.ca.

This position falls under the jurisdiction of the Ryerson Faculty Association (RFA).

- The RFA collective agreement can be viewed at: <http://www.ryerson.ca/faculty-affairs/collective-agreements/rfa-collective-agreement/>
- The RFA's website can be found at: www.rfanet.ca.
- A summary of RFA benefits can be found at: http://www.ryerson.ca/hr/benefits/benefits_by_group/rfa/index.html.

Ryerson University is strongly committed to fostering diversity within our community. We welcome those who would contribute to the further diversification of our staff, our faculty and its scholarship including, but not limited to, women, visible minorities, Aboriginal people, persons with disabilities, and persons of any sexual orientation or gender identity. Please note that all qualified candidates are encouraged to apply but applications from Canadians and permanent residents will be given priority