

## **Tier 2 Canada Research Chair in Medical Imaging Physics**

**Assistant or Associate Professor**

**Position #24117**

**CRC #24118**

**Department of Physics and Astronomy**

**Faculty of Science**

**University of Manitoba**

**Winnipeg, Manitoba, Canada**

The University of Manitoba invites applications or nominations for a full time probationary tenure track, **Tier 2 Canada Research Chair (CRC) in Medical Imaging Physics**. The Government of Canada has established the CRC program to enable Canadian universities to foster world-class research excellence. Salary will commensurate with experience and qualifications.

Tier 2 CRCs are intended for exceptional emerging scholars. Candidates must have less than 10 years of experience as active researchers in their field of study at the time of nomination. Candidates who are more than 10 years from having earned their highest degree and who have had career disruptions, due to maternity, parental or extended sick leaves, may have their eligibility for a Tier 2 Chair assessed through the program's Tier 2 justification process. Please consult the Canada Research Chair's website (<http://www.chairs-chaires.gc.ca/>) for full program information, including details on eligibility criteria and the justification process.

Imaging is an area of strategic importance to the University and the Chair will play a key role in promoting interdisciplinary research at the interface of physics, computer science, mathematics, radiology and engineering, within the Faculty and across the University. The successful candidate will have demonstrated the potential to become a leader in Medical Imaging Physics, with an interest in developing tools and techniques that will have global impact. A research program in any area leading to the development of new imaging technologies is required. The successful candidate will join a small group of medical physicists in the Faculty with close ties to clinical medical physicists, radiologists and biomedical engineers on both campuses of the University, and to researchers at the Research Institute of Oncology and Hematology based at CancerCare Manitoba. In addition, the successful candidate will have a track record of high quality scholarly research leading to peer assessed publications; will either have, or demonstrate the potential to establish, an independent, innovative, scholarly, externally fundable research program; will have demonstrated strength in or strong potential for outstanding teaching contributions; and will exhibit evidence of the ability to work in a collaborative environment. Duties will include undergraduate teaching, graduate teaching and supervision, research, including the establishment of an externally funded research program, and service-related activities.

The Chair in Medical Imaging will be based in the Department of Physics and Astronomy which is housed within the Faculty of Science (<http://umanitoba.ca/faculties/science/>), with close ties to the Department of Radiology. The Departments have an active accredited program graduate program offering degrees at both the MSc and PhD level. Research facilities include microwave imaging systems, clinical and animal MR, CT, PET, as well as EPID systems and the Canadian Light Source in Saskatoon. Information on the activities of the Medical Physics program at the University of Manitoba can be obtained from Stephen Pistorius at [stephen.pistorius@umanitoba.ca](mailto:stephen.pistorius@umanitoba.ca). More details about current research strengths and infrastructure can be found at [www.umanitoba.ca/faculties/science](http://www.umanitoba.ca/faculties/science).

To enhance our faculty and create role models for a diverse population of students, we particularly invite applications from those who can support and enhance our diversity, including women, Indigenous peoples, other visible minorities, and those committed to a diverse environment.

Winnipeg is the largest city in the Province of Manitoba. The city has a rich cultural environment, including symphony, opera, dance, theatre, sports and ethnic festivals, combining the amenities of urban life with easy access to the countryside and to northern lakes and forests for ample outdoor recreation opportunities in all

seasons. A wide array of public and private schools is available in the Winnipeg area. Learn more about Winnipeg at <http://www.city.winnipeg.mb.ca>.

The University of Manitoba is strongly committed to equity and diversity within its community and especially welcomes applications from women, members of racialized communities, Indigenous persons, persons with disabilities, persons of all sexual orientations and genders, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents and members of the above-noted groups will be given priority.

**The position start date will be October 1, 2018.**

Applications including curriculum vitae, a summary of research interests, a description of a five-year research plan, and contact information for three references should be sent to [sciadr@umanitoba.ca](mailto:sciadr@umanitoba.ca) as a single PDF file. Please ensure to specify position number **24117 / 24118** in the application. For further information contact the Search Committee Chair at [Ivan.Oresnik@umanitoba.ca](mailto:Ivan.Oresnik@umanitoba.ca) . Review of applications will begin on **October 31, 2017** and will continue until the position is filled. Application materials, including letters of reference, will be handled in accordance with the *Freedom of Information and Protection of Privacy Act*. Please note that curricula vitae may be provided to participating members of the search process. All Chairs are subject to review and contingent on final approval by the CRC Secretariat.