

PROFESSOR IN MAGNETIC RESONANCE IMAGING UNIVERSITY OF MONTREAL

The Department of Radiology, Radio-oncology and Nuclear Medicine of the Faculty of Medicine of the University of Montreal is seeking applications for a full-time tenure-track position at the rank of Associate Professor in the area of Medical Physics or Biomedical Engineering with expertise in magnetic resonance imaging (MRI).

Location and environment

The successful candidate will conduct his (her) research program within the "Imaging and Bioengineering Research Axis" of the University of Montreal Hospital Research Center (CRCHUM). Inaugurated in 2013, the CRCHUM regroups 439 scientists, more than 700 graduate students and post-doctoral fellows, and more than 800 professionals, support staffs, technicians, and research nurses. CRCHUM provides to scientists 10 core research facilities, including a unique experimental imaging platform for human and animal research. That facility is equipped with a 3 Tesla MRI scanner (Skyra 3T, Siemens). Moreover, the CRCHUM is adjacent to the new University of Montreal Hospital (CHUM), which will include, in 2016, seven MRI scanners with access opportunities for clinical research (2 Philips Ingenia 3T scanners, 1 Philips Achieva TX 3T scanner, 1 General Electrics MR450 1.5T scanner, 1 General Electrics MR450w 1.5T scanner, 1 Siemens Avanto Fit 1.5T system, and 1 Siemens Aera 1.5T dedicated to the planning of radiotherapy and MRI-guided brachytherapy). The clinical department has also an agreement to acquire a Philips-Elekta 1.5T MRI system for image-guided radiotherapy. The CHUM has two active Master Research Agreements with Siemens and Philips.

Responsibilities

The appointed candidate will be expected to maintain an active research program, supervise graduate students, have international collaborations, contribute to the academic life of the Department of Radiology, Radio-oncology and Nuclear Medicine, participate in the activities of the Institute of Biomedical Engineering and Medical Physics Program, and teach graduate courses.

Requirements

The appointed candidate should hold a doctorate in Physics or Engineering and demonstrate a record of outstanding research accomplishments in the field of magnetic resonance imaging (MRI). To optimize collaborations with clinical scientists of our department, we are seeking candidacies able to develop and validate new MRI methods and sequences. Expertise in image reconstruction and development of antennas would be an advantage. We will prioritize candidacies with research productivity in magnetic resonance elastography, spin labeled perfusion MRI, diffusion imaging, fast imaging or MRI-guided interventions. Research priorities at the CRCHUM include cardiovascular imaging, cancer imaging, neuro-functional imaging, and imaging of the musculoskeletal system. Thus, the ability to work in a multidisciplinary team is required.

The teaching language is French; consequently, non-French-speaking candidates should become able to teach in French no longer than three years after their appointment.

Salary

The University of Montreal offers a competitive salary and a complete range of employee benefits.

Starting date

Spring 2016 at the earliest; the announcement will remain open until the selection committee finds an acceptable candidacy.

Interested candidacies should send their *curriculum vitae*, a letter explaining their motivation, research interest and competence in their area of expertise, and three letters of support, **no later than December 1st 2015**, to the following address (email correspondence is preferred):

**Dr Guy Cloutier, Director of Research
Department of Radiology, Radio-oncology and Nuclear Medicine
Faculty of Medicine**

University of Montreal
C.P. 6128, succursale Centre-ville
Montréal, (Québec)
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Email: guy.cloutier@umontreal.ca

Linguistic policy of the University of Montreal

The University of Montreal is a Quebec university with an international reputation. French is the language of instruction. To renew its teaching faculty, the University is intensively recruiting the world's best specialists. In accordance with the institution's language policy, the University of Montreal provides support for newly-recruited faculty to attain proficiency in French.

Confidentiality

The University of Montreal application process allows all regular professors in the Department to have access to all documents unless the applicant explicitly states in her or his cover letter that access to the application should be limited to the selection committee. This restriction on accessibility will be lifted if the applicant is invited for an interview.

Employment Equity Program

The University of Montreal upholds the principles of employment equity and welcomes applications from women, ethnic and visible minorities, aboriginals and people with disabilities.

Immigration Requirements

In compliance with Canadian immigration requirements, priority shall be given to Canadian citizens and permanent residents.