

McMaster University

Medical Physics & Applied Radiation Sciences - Tenure-Track Appointment

McMaster University invites applications for a tenure-track appointment in the Unit for Medical Physics and Applied Radiation Sciences in the Faculty of Science. The position is targeted to begin on 1st July, 2003. Candidates should possess a PhD and have demonstrated both an excellent research record and an aptitude to teach. The ideal candidate will be able to teach in the area of the fundamentals of radiation physics, with particular emphasis on radiation transport and radiation dosimetry. She/he would be expected to contribute particularly to graduate and undergraduate programmes in Medical Physics and Health Physics through teaching, attracting research funding and mentoring research students.

The successful candidate's research is expected to draw strength from facilities, personnel and colleagues associated with the McMaster Institute of Applied Radiation Sciences. Applicants should describe how they would expect their research to prosper at McMaster, taking into account existing research strengths and opportunities. Several faculty members of the Unit for Medical Physics & Applied Radiation Sciences are appointed to the local cancer centre or hospitals. There are extensive opportunities for collaboration with these colleagues and such collaboration will be welcomed.

Extensive recent investment in research infrastructure in applied radiation sciences has created a platform on which to build research, particularly with a focus on biomedical applications. Existing research fields include photon and electron dosimetry, physical techniques for body composition studies, the role of DNA damage and repair processes in carcinogenesis and tumour cell response to therapies, using molecular cytogenetics to study human health risks of low doses of ionizing radiation, the cellular and molecular basis of photodynamic therapy, radiation geochronology, novel methods of imaging bone and joint structure, and structural and functional imaging in neurosciences. A more complete description can be found at www.science.mcmaster.ca/medphys/

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be considered first for this position. McMaster University is strongly committed to employment equity within its community and to recruiting a diverse faculty and staff. The University encourages applications from all qualified candidates, including women, members of visible minorities, Aboriginal persons, members of sexual minorities and persons with disabilities.

Applications, including a statement of research interests and teaching philosophy, together with letters from three referees should be sent by February 14th, 2003 to:

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