

Lakehead University/ Thunder Bay Regional Research Institute

Research Chairs in Molecular Imaging and Advanced Diagnostics

Lakehead University, in partnership with the Thunder Bay Regional Research Institute (TBRI), invites applications from internationally recognized and respected scholars to be considered for up to seven (7) Lakehead University/TBRI Research Chairs in molecular imaging and advanced diagnostics. These positions will be tenure-track or tenured and available in any academic rank at the University depending on candidates' qualifications. Chairs will be appointed in one of three faculties: Engineering, Science & Environmental Studies, or Health & Behavioural Sciences. Candidates will focus on the development of advanced detectors, imaging guided interventions, and probe development/biomarker exploration. Candidates are sought who have an established research program relative to the broad field of medical imaging. The Chairs should have expertise in one or more of the following areas:

Engineering

Particular areas of interest include the development of new materials for x-ray and gamma ray detectors, investigation of techniques to establish new modalities for medical imaging, image processing, informatics, biomedical engineering, and material science.

Science & Environmental Studies

Particular areas of interest include the discovery of biomarkers and the development of imaging probes; development of novel contrast agents to be used with various medical imaging modalities; investigation of material properties related to x-ray and gamma ray detectors; application of medical imaging to human biology; development of medical imaging as a surrogate endpoint for clinical trials; development and application of techniques for image-guided interventions; bioinformatics; medical biophysics.

Health & Behavioural Sciences

Particular areas of interest include the application of medical imaging to aboriginal health; cardiovascular disease; cancer; chronic lung diseases; mental health and addictions; comprehensive hospital-based clinical services; development and application of techniques for functional magnetic resonance imaging; and injury and disability.

The successful candidates will hold a doctoral degree, have excellent research credentials, and have a demonstrated record of securing competitive external research funding. Candidates must be researchers of international stature who can bring an innovative perspective to the University in carrying out and leading research, and contributing to the undergraduate and graduate programs at the University. The Chairs' expertise will complement research underway at TBRI. The Chairs will contribute to the ongoing initiative to develop an interdisciplinary program in Medical Biophysics and Imaging at Lakehead University. PhD programs are currently available in Biotechnology, Chemistry & Material Science, and Psychology. A PhD program in Electrical and Computer Engineering is currently under development as well.

Lakehead University offers on-campus and community-based programs, continuing education and distributed learning, and graduate programs at the Master's and Doctoral levels. Lakehead is a comprehensive research intensive University providing an impressive array of programs in professional arts and sciences, and is the home of the west campus of the Northern Ontario School of Medicine. The University has an enrolment of approximately 8,100 students at campuses in Thunder Bay and Orillia, with a significant Aboriginal contingent at the Thunder Bay campus. For further information please access: www.lakeheadu.ca.

TBRRI is Canada's newest health research institute, located in Thunder Bay, Ontario. It is an independent, not-for-profit research corporation and a joint venture partner of Thunder Bay Regional Health Sciences Centre. TBRRI's mission is to improve the quality of healthcare through excellence in patient-centered research, pioneering a new standard of excellence in the clinical investigation of novel molecular imaging-based diagnostic technologies for disease prevention, early detection and image-guided treatment. See www.tbrri.com

Applications including a curriculum vitae, five-year research plan, three publications that demonstrate a significant contribution to the field, the contact information of 3 referees, a teaching philosophy, and any available teaching evaluations should be sent to:

Dr. Rui Wang, Vice-President Research Economic Development and Innovation
Lakehead University, 955 Oliver Road
Thunder Bay, Ontario, Canada P7B 5E1
tel: 807-343-8201
e-mail to: jpellizz@lakeheadu.ca

Review of applications will commence on March 15, 2012 and will continue until the positions are filled.

Lakehead University and the Thunder Bay Regional Research Institute are Equal Opportunity Employers. Priority will be given to Canadian Citizens and Landed Immigrants. Engineering candidates are expected to be registered professional engineers or qualified and willing to pursue such designation in the Province of Ontario.

www.lakeheadu.ca
www.tbrri.com

Lakehead
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Bringing
Discovery
to Life

**Thunder Bay Regional
Research Institute**

In partnership with
Thunder Bay Regional Health Sciences Centre
Affiliated with Lakehead University