



UNIVERSITY OF CALGARY

Graduate student or post-doctoral fellow position in Magnetic Resonance Spectroscopy

The Department of Radiology at the University of Calgary is accepting applications for a graduate student or post-doctoral fellow to work with Dr. Ashley Harris in the area of Magnetic Resonance Spectroscopy. Applicants should be interested in MRS methods development and applications of MRS to study the human brain.

Dr. Harris is an Assistant Professor in the Department of Radiology and a member of both the Hotchkiss Brain Institute and the Alberta Children's Hospital Research Institute at the University of Calgary. Dr. Harris is a member of the Child and Adolescent Imaging Research Program at the Alberta Children's Hospital, which has a research-dedicated 3T MR scanner and a growing program in pediatric imaging. An additional research dedicated 3T MR scanner is at the Seaman Family MR Research Centre at the Foothills Medical Centre, University of Calgary. Dr. Harris has substantial experience with MRS developments and applications, with particular focus on editing methods to measure GABA. Dr. Harris collaborates with experts in mental health, neuropsychology, neurology, psychology and image science.

The candidate will work with Dr. Harris on MRS methods developments including methods to improve metabolite detection and quantification as well as understanding the relationships between spectroscopy measures and other imaging methods.

Applicants should have a background in engineering, biomedical, physics or relevant discipline and be interesting in processing and analysis. Experience with Matlab and programming is an asset. Applicant should submit a letter of interest, CV, transcripts and 3 reference letters to ashley.harris2@ucalgary.ca. Dr. Harris is at OHBM in Vancouver and willing to meet with interested candidates, please email.

The University of Calgary is a leading Canadian university located in the nation's most enterprising city. To succeed as one of Canada's top universities, where new ideas are created, tested and applied through first class teaching and research, the University of Calgary needs more of the best minds in our classrooms and labs. We're increasing our scholarly capacity by investing in people who want to change the world, bringing the best and brightest to Calgary to form a global intellectual hub and achieve advances that matter to everyone.

Named a cultural capital of Canada and one of the best places to live in the world, Calgary is a city of leaders – in business, community, philanthropy and volunteerism. Calgarians benefit from the strongest economy in the nation and enjoy more days of sunshine per year than any other major Canadian city. Calgary is less than an hour's drive from the majestic Rocky Mountains and boasts the most extensive urban pathway and bikeway network in North America.