

MRI Tenure Track Assistant Professor – University of Alberta

The Department of Biomedical Engineering of the Faculty of Medicine & Dentistry at the University of Alberta, Edmonton, Alberta, Canada, invites applications for an Assistant Professor (tenure-track) position in the area of in vivo magnetic resonance research.

The Peter S Allen MR Research Centre houses two research-dedicated human MR systems: a 3T Siemens Prisma with multi-nuclear option and a unique high-field 4.7T Varian (soon to be MR Solutions) with updated gradient/RF hardware; both systems have full pulse sequence programming capability. The Centre is housed in the lower floor of the University of Alberta Hospital emergency wing and the Mazankowski Alberta Heart Institute, which enables research on in-patients. Currently, there are four MRI-focused professors in the Department of Biomedical Engineering and numerous collaborators. On-going technical development is focused currently on diffusion, sodium, susceptibility, and relaxometry of human brain and cardiac imaging, while clinical applications include stroke, multiple sclerosis, epilepsy, neurodevelopment and heart disease via a number of collaborations. An MRI technologist and research nurse are available to assist with MR studies through the Department of Radiology and Diagnostic Imaging. A research-dedicated Siemens Biograph PET/MRI system will also be available late 2017 located at the Cross Cancer Institute on campus.

The successful candidate will be offered a tenure-track appointment contingent on ongoing government funding in accordance with the University of Alberta Faculty Agreement, which offers a comprehensive benefits package. The successful candidate will be appointed within the Faculty of Medicine & Dentistry, residing within the Department of Biomedical Engineering. Applicants must have a Ph.D., postdoctoral experience and a proven record of high-quality research. Candidates will also have a demonstrated track record of strong peer-reviewed publications in any aspect of MRI method and/or analysis development and its clinical application.

The successful candidate will be expected to conduct innovative independent research that will attract external funding and outstanding research trainees. There will also be significant opportunities for collaborations with several multidisciplinary research groups within the University. A competitive start-up package and research support will be provided, and the successful candidate will be given the opportunity to apply for infrastructure support from the Canada Foundation for Innovation (CFI) to help acquire state-of-the-art equipment essential to their work. Contribution to the Department's undergraduate and graduate programs, including teaching and assisting with administration, will also be expected.

Further information about the Department of Biomedical Engineering and Peter S Allen MRI Research Centre can be found at www.biomed.engineering.ualberta.ca and www.mri.ualberta.ca, respectively. Inquiries about capabilities of the MRI Centre can be addressed to its scientific director Dr. Christian Beaulieu (christian.beaulieu@ualberta.ca).

Edmonton (www.edmonton.ca) is a vibrant Western Canadian city of ~1 million people including an excellent public school system and a full slate of sports, arts, music, restaurants, and numerous parks to enjoy the outdoors, many along the North Saskatchewan River. Jasper and Banff National Parks in the beautiful Rocky Mountains are a 3-4 hour drive away. The University of Alberta (www.ualberta.ca) is home to 39,000 students and 15,000 faculty and staff and is ranked as a top 5 research-intensive university in Canada and top 100 in the world.

To assist the University in complying with mandatory reporting requirements of the Immigration and Refugee Protection Act (R203 (3) (e)), please include the first digit of your Canadian Social Insurance Number in your cover letter. If you do not have a Canadian Social Insurance Number, please indicate this in your cover letter.

To apply, please submit electronically a cover letter, *curriculum vitae*, research interests, teaching experience, and the names/contact information of three references to the Chair of Biomedical Engineering, preferably as a single PDF document.

Please apply online at: <http://www.careers.ualberta.ca/Competition/A104432920/>