JOB POSTING – ISMRM

Date: April 3, 2019
Required: One (1) Temporary Full-time (grant funded)

POSITION TITLE: Research Associate, MRI
PLATFORM: Physical Sciences Platform
REPORTING TO: Fa-Hsuan LIN

JOB RESPONSIBILITIES:
Primary responsibilities will include, but will not be limited to, the following:

Our lab develops new imaging and interventional methods to better understand the human brain functions and to improve the quality of life for neurological and psychiatric patients. We particularly focus on neuromaging and interventional technical development in magnetic resonance imaging, spectroscopic imaging, electroencephalography, magnetoencephalography, focused ultrasound, and transcranial magnetic stimulation.

The successful candidate will work on research projects within Dr. Fa-Hsuan Lin’s group utilising his/her expertise to develop and validate novel data acquisition, analysis, and brain function intervention, for basic neuroscience research and clinical applications in neurology and psychiatry.

You will be encouraged to be self-managing and take initiative to solve problems. You will be required to provide proof of qualifications and expertise to conduct independent research and work in collaboration with faculty members and other researchers.

The primary responsibility of the research associate is to carry out research to support structural, functional, and metabolic magnetic resonance imaging experiments for Dr. Lin and other scientists in the Hurvitz Brain Sciences Program.

Duties include but are not limited to:
   i. Develop radio-frequency hardware for human brain MRI and other imaging modalities to be integrated with human brain MRI, including applications of said hardware
   ii. Work with clinical and industrial collaborators in cooperation with the Senior Scientist. Collect and analyze data for collaborative projects
   iii. Manage the daily operations of the lab with minimal supervision
   iv. Participate heavily in abstract, poster, paper, and grant preparation
   v. Provide direct supervision for assigned junior lab members, including postdoctoral research fellows and students.
   vi. Provide leadership within the research group on technical matters

ESSENTIAL QUALIFICATIONS:

• Ph.D. in electrical engineering, biomedical engineering, physics, or mathematics
• Minimum 3 years experience in MRI radio-frequency hardware development
• Minimum 2 years post-doctoral fellowship experience
• A track record of international peer-reviewed journal publication
• Experience working in a biomedical research environment.
• Well-developed interpersonal skills: ability to listen and communicate, as needed to foster a team approach to research
• Able to set priorities successfully, and coordinate work flow around grant deadlines and grant applications
• Excellent communication skills

Language of work: English
Employment term: Temporary Full-time
Duration of contract: 3 years
Minimum per hour $20.00 ($39,000)
Maximum per hour $49.60 ($96,720)
Benefits: Full Benefits
Vacation: 3 weeks’ vacation (15 days)
Location: Toronto

Qualified applicants should forward their resume along with a cover letter and the names of three references to:
fhlin@sri.utoronto.ca

We would like to thank all applicants, but only those selected for an interview will be contacted.

In accordance with Canadian Employment and Immigration guidelines, applicants must be eligible to work in Canada. Sunnybrook Research Institute is committed to providing accessible employment practices that are in compliance with the Accessibility for Ontarians with Disabilities Act (AODA). If you require accommodation for disability during any stage of the recruitment process, please indicate this in your cover letter. Sunnybrook Research Institute is strongly committed to inclusion and diversity within its community and welcomes all applicants including but not limited to: visible minorities, all religions and ethnicities, persons with disabilities, LGBTQ persons, and all others who may contribute to the further diversification of ideas.