Lakehead University (Thunder Bay, Ontario, Canada) is currently seeking a PhD student who has a keen interest in conducting advanced MR imaging research. Dr. Mitchell Albert’s laboratory focuses on developing novel hyperpolarized \(^{129}\text{Xe}\) MRI imaging techniques for the brain and advanced imaging using hyperpolarized \(^{129}\text{Xe}\) and \(^{19}\text{F}\) inert fluorinated gas for the lungs. As a requirement, potential PhD student candidates will need to have obtained a Master’s degree in physics or chemistry. The candidate will work in a diverse environment with a multidisciplinary team to achieve the study aims. The PhD student candidate will assist in research as well as other laboratory responsibilities. This may include but is not limited to:

- Planning, designing, and conducting preclinical and clinical experiments, and analyzing research.
- Participating in conferences and other research dissemination events.
- Publishing of research, journal articles, conference abstracts etc.
- Collaborating with laboratory staff and fellow researchers.
- Supervise undergraduate/graduate experiments.
- Assist in grant writing.

The PhD candidate should have excellent time management capabilities and communication skills, as well as a solid understanding of PCs and MS Office. The candidate should also be familiar with the general concepts of programming. Knowledge of MatLab, LabView, and C++ would be an asset. The potential candidate should be familiar with either nuclear magnetic resonance (NMR), Magnetic Resonance Imaging (MRI) or electron paramagnetic resonance (EPR) phenomenon. Knowledge of electrodynamics and radiophysics would be an asset. Lakehead University is committed to providing equal opportunities and a diverse, inclusive, and supportive environment for all individuals. We encourage applications from candidates of all backgrounds, including those from underrepresented groups, to ensure a fair and equitable selection process.

Expression of Interest (EOI) Deadline: EOIs will be accepted until August 24th, 2023

The candidate should email their EOI, along with a cover letter and CV to:

Dr. Mitchell Albert, Department of Chemistry  
Lakehead University,  
955 Oliver Road,  
Thunder Bay ON  
P7B 5E1, Canada  
Email: malbert1@lakeheadu.ca

We appreciate your interest; however, only those selected for an interview will be notified.