Who We Are

SFU's ImageTech Lab is a leading medical imaging research facility housing a 2023 upgraded high field 3T whole-body MRI and a brand new high-density 306-channel MEGin MEG. The lab, embedded in Surrey Memorial Hospital, brings rapid innovations to medical imaging with a focus on high impact translational research.

Used together, the 3T MRI, MEG, and compatible high density EEG offers researchers unparalleled possibilities for multimodal imaging of the brain by visualizing and combining a range of different powerful measures of brain function and structure.

The ImageTech Lab is a place that welcomes diverse collaborators from clinical researchers to industry partners and technology developers. We balance research excellence with innovative approaches to enable research and clinical activities across a range of applications including autism, cancer treatment planning, chronic fatigue, skeletal development and many others.

About the Role

Simon Fraser University's ImageTech Lab is recruiting an MRI Associate Director to join our team. ImageTech is a medical imaging research facility embedded in Surrey Memorial Hospital, a large tertiary care hospital in Metro Vancouver. We are a start up facility with growing capacity. We support researchers from several departments across SFU including the newly established Institute of Neuroscience and Neurotechnology, as well as collaborators from Fraser Health, BC Cancer Agency, UBC and more. The vision for ImageTech is Impact – we conduct translational research that brings research advances to clinical care.
ImageTech is a state-of-the-art imaging center with a focus on neuroimaging expertise. The facility houses a research-dedicated 3T Philips Ingenia CX scanner, a brand new 306-channel whole-head MEG system (TRIUX, Neo, MEGin) and MEG/MRI compatible EEG.

The MRI Associate Director will advance SFU’s vision to be Canada’s leading engaged university by planning, leading and executing the delivery of MR Research at SFU’s ImageTech Lab. We are looking for an experienced MR physicist who can lead the methods component of our research group while engaging with a range of researchers, industry partners and clinical experts to support their applications. We are looking for a dynamic individual who can contribute to growing the facility and is excited to share their MR expertise with our community. This is an excellent growth opportunity for a talented MR physicist interested in expanding their expertise with new techniques and applications. The MRI Associate Director will develop and implement new research study protocols and identify and pursue new funding opportunities to support the operation or infrastructure of the ImageTech Lab. The MRI Associate Director provides technical support to projects and will work with the MRI technologists and research teams to optimize MRI sequences and develop custom tailored sequences for a range of research projects. In addition, the MRI Associate Director will stay abreast of the latest in MRI technology and connect with facility users to plan system upgrades, maintenance and equipment needs. These activities will lead to advances in MR research and MR research capacity at SFU’s ImageTech Lab to support a range of research projects from internal SFU researchers and external researchers.

The MRI Associate Director will be the senior MR physicist in the facility and will serve as the MRI safety expert for the facility. As the MRI Safety expert, this role includes collaborating with the MRI Technologists to develop and regularly review SOPs.

Qualifications

Qualified applicants must have earned a doctoral degree in MR physics, biomedical engineering or related field and have the ability to develop pulse sequences for a range of MR research applications. Applicants should have a minimum of 3 years relevant work experience in leading, managing or supervising role at a research lab conducting imaging research with human subjects.

- Expert scientific knowledge of MR research methods.
- Excellent knowledge of research ethics and research protocol development for human subject research.
- Excellent knowledge of MR safety protocols.
- Ability to facilitate collaboration between diverse internal and external stakeholders.
- Ability to work in a team environment and collaborate with diverse team members.

This is a full-time position but may require variable hours to support lab activities. Expected salary range is $94,369 - $112,691 per annum aligned with experience and qualifications.

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

What We Offer

At SFU, our goal is to ensure our people are valued and supported by promoting a healthy work-life balance, professional growth and development, as well as a safe and respectful workplace. We offer continuing employees who belong in the Administrative & Professional Staff Association (APSA):

- 4 weeks’ vacation (prorated for the first year)*
- Hybrid-work program for eligible positions
- Employer paid defined benefit pension plan
- On-campus tuition waiver for employees and their immediate family members*
- Off-campus tuition reimbursements and professional development funds*
- And more! View our benefits brochure

*Prorated for part-time employees

Additional Information
Please review the full job description and qualifications here and submit a cover letter detailing experiences and interest in the position, a CV and name of three references. **Applications close on May 26, 2023.**

*Simon Fraser University is an institution whose strength is based on our shared commitments to diversity, equity, and inclusion. Diversity is an underlying principle of our Strategic Vision, which pledges SFU to “foster a culture of inclusion and mutual respect, celebrating the diversity reflected among its students, faculty, staff, and our community.” SFU is committed to ensuring that no individual is denied access to employment opportunities for reasons unrelated to ability or qualifications. Consistent with this principle, SFU will advance the interests of underrepresented members of the workforce, specifically Indigenous peoples, persons with disabilities, racialized persons, and women; embrace gender and sexual diversity; ensure that equal opportunity is afforded to all who seek employment at the University; and treat all employees equitably. Candidates that belong to underrepresented groups are particularly encouraged to apply.*

We are committed to ensuring that the application and interview process is accessible to all applicants. If you require any assistance or accommodations, please contact human_resources@sfu.ca.

Simon Fraser University is committed to the principle of Employment Equity. For questions or assistance with postings contact human_resources@sfu.ca.