

Available Position: **Imaging Research Engineer**

Position Type: Full Time

The Mouse Imaging Centre (MICE) at the Hospital for Sick Children is a dynamic team of scientists, staff and students who use imaging technology to understand mouse models of human disease.

We are looking for an engineer to join our team. The successful candidate will:

- join the team at MICE and work with advanced imaging tools including MRI, micro-CT, ultrasound, serial two-photon tomography, and optical projection tomography;
- design and construct new hardware to advance the use of these imaging tools;
- manage and run a machine shop and 3D printing resources to enable advanced imaging and develop new applications;
- consult with principal investigators and staff for project planning and budgeting;
- establish ongoing professional relationships with international companies and vendors;
- maintain existing imaging hardware;
- coordinate with vendors to provide servicing, troubleshooting, and repair of imaging systems;
- plan and manage installation of new imaging systems as required;
- train, support and provide supervision to staff and students in use of equipment;
- supervise lab members and ensure safe use of laboratory equipment;
- deliver oral presentations updating the group on progress or changes affect experimental work and discussing potential directions;
- attend local, national and international scientific meetings related to imaging technology and mouse imaging.

Candidates should possess:

- a bachelor's degree in physics or engineering;
- strong custom design and manufacturing skills;
- strong organizational skills, including the ability to manage multiple projects simultaneously;
- an ability to work closely with and communicate to a diverse group of team members;
- excitement for biomedical research and development of new technologies for study of mouse models of human disease.

Please provide an electronic copy of your CV and transcripts to: brian.nieman@sickkids.ca

