

Clinical Fellowship in Advanced Neuro Imaging

**University of Manitoba
Department of Radiology**

**Term, Full-Time
July 1, 2023 – June 30, 2024**

A one-year clinical fellowship position is being offered at The University of Manitoba in the Department of Radiology commencing July of 2023.

The Department of Radiology is located within the Rady Faculty of Health Sciences, College of Medicine, at the University of Manitoba located at Bannatyne campus. The fellowship program is based at the Health Sciences Centre (including the Children's Hospital of Winnipeg) and the St. Boniface Hospital. Both sites are tertiary care institutions.

The focus of this fellowship program is diagnostic neuroimaging including advanced neuroimaging tools like MR spectroscopy, CT and MRI perfusion imaging and functional MRI techniques. About 20% of the Fellow's time would be protected for research and program development while the other 80% would be dedicated to obtaining clinical experience in clinical diagnostic neuroimaging. Opportunities for collaborative research projects in clinical outcomes, translational research, physics, and epidemiology are available and would be tailored to the interests of the successful candidate.

The Fellow will hold a PGY6 equivalent position within the Department of Radiology and will be paid an annual stipend according to PARIM guidelines. The trainees will be able to work clinical at the sites where neuroradiology procedures and advanced techniques are performed. These include the following facilities of the WHRA: Health Science Centre, Kleysen Institute for Advanced Medicine and MRI department at St. Boniface Hospital.

The Kleysen Institute for Advanced Medicine is located at the Health Sciences Centre and is home to one of the only IMRIS hybrid 3T MRI and biplane neuroangiography suites in Canada. HSC runs two 3T and one 1.5T clinical MRI systems as well as a fleet of modern high quality CT scanners. New state-of-art PET-CT and SPECT-CT cameras have been recently installed.

At St. Boniface, fellows will be exposed to a high-volume neuroradiology case load with a focus on CT/MR angiography, computed tomography of the brain, spine, temporal bones, neck and sinuses (including pre- and post- functional endoscopic sinus surgery), and MRI of the brain, neck and spine. St. Boniface is home to a busy stroke service and emergency department with plenty of opportunities to be involved with acute neuroimaging emergencies.

For fellows who are interested, opportunities are also available to train in carotid ultrasound. National Research Council Headquarters: The NRC building is equipped with a 3 Tesla magnetic resonance scanner (Trio) which is used for outpatient clinical neuroimaging, generally read from the neuroradiology department at Health Sciences Centre. This scanner boasts superior field homogeneity to other 3T units in the city, and there are opportunities to use this scanner for research purposes when appropriate.

Applicants for fellowship must meet the College of Physicians and Surgeons of Manitoba (CPSM) eligibility criteria for obtaining an [educational medical license in Manitoba](#). Applicants should have successfully completed residency training in Advanced Neuro Imaging in Canada or the United States prior to commencement of the Fellowship. International Medical Graduate applicants must pass an English language testing exam (TOEFL iBT/IELTS) with qualifying score, provide evidence that they are recognized as specialists in the jurisdiction where they are currently practicing medicine and have preferably completed the Medical Council of Canada Evaluating Examination (MCCEE).

Candidates should submit a letter of interest, curriculum vitae and three letters of reference electronically by December 30, 2022 to:

Dr. Marco Essig
c/o Julianna van den Beuken,
Fellowship Administrator
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