



Postdoctoral Associate

A postdoctoral position under the supervision of Dr. Corey Baron (baronlab.ca) is available in the Robarts Research Institute, Schulich School of Medicine & Dentistry at Western University (up to 2 year term). The successful candidate will have flexibility in research direction, and self-directed research is encouraged. Current projects available for involvement include:

- Development of non-Cartesian trajectories and novel image reconstruction for non-Cartesian diffusion MRI utilizing field-monitoring
- Development of novel diffusion MRI encoding schemes
- Investigation of marmoset models of stroke
- Investigation of novel diffusion MRI contrast (microscopic fractional anisotropy; oscillating gradient spin-echo diffusion MRI) in patients with neurodegeneration

Qualifications Required

- PhD in Biomedical Engineering, Physics, Neuroscience, or related discipline
- Experience in programming
- Demonstrated written and oral communication skills

Facilities

The Centre for Functional and Metabolic Mapping (CFMM, cfmm.uwo.ca) at Robarts Research Institute houses a 7T human MRI (Siemens Terra Plus), a 3T human MRI (Siemens Prisma Fit), a 9.4T small-animal MRI (9.4T Bruker Neo), and is currently installing a 15.2T mouse MRI (15.2T Bruker Biospec). Each of the 7T and 3T systems come equipped with a field monitoring system (Skopec Clip-on Camera). The Centre contains a fully equipped and staffed RF hardware design/manufacturing suite and other technical support staff. Our lab is experienced in development on all systems.

Application Instructions

Our lab values diversity, and applications from individuals who identify with traditionally marginalized groups are encouraged. Applicants should send a cover letter outlining their research experience and interests, a Curriculum Vitae, and contact information for two references to:

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