Postdoctoral Associate

A postdoctoral position under the supervision of Dr. Corey Baron is available in the Robarts Research Institute, Schulich School of Medicine & Dentistry at Western University (2 year term), with an expected starting date of September 1, 2020. The successful candidate will utilize microstructural MRI with a focus on diffusion MRI to enable the longitudinal investigation of animal models of neurological disorders such as stroke or concussion. Microstructural MRI parameter estimation will be validated using high resolution ex vivo MRI and histology in the same animals. Scientific investigations at Robarts Research Institute employ a team-based approach, and there will be numerous opportunities for collaborations with faculty and physicians in Neuroscience, Physiology and Pharmacology, Anatomy and Cell Biology, and other departments at Western.

The successful candidate will be nominated to apply for a BrainsCan postdoctoral fellowship (https://brainscan.uwo.ca/programs/postdoctoral_fellowship_program/index.html) with an annual salary of $55K to $75K and a research/travel allowance of $3K to $5K (CAD).

Qualifications
- PhD in Biomedical Engineering, Physics, Neuroscience, or related discipline
- Experience in diffusion MRI
- Experience in histological validation of MRI is an asset, but not required
- Ability to solve problems independently
- Demonstrated written and oral communication skills

Facilities
The successful candidate will be situated within the Centre for Functional and Metabolic Mapping (CFMM, http://cfmm.robarts.ca) at Western’s Robarts Research Institute. The CFMM houses Canada’s only ultra-high field in vivo MRI system (7T Siemens Magnetom) and a high field (3T Siemens Prisma) and ultra high field small animal (9.4T Agilent) MR system.

Application Instructions
Applicants should send a cover letter outlining their research experience and interests, a Curriculum Vitae, and contact information for two references to:

Corey Baron, PhD
Assistant Professor, Medical Biophysics
Robarts Research Institute – London ON, Canada
cbaron@robarts.ca