Multiple positions exist for curious and talented Postdoctoral Fellows to work in the Centre for Functional and Metabolic Mapping at Western’s Robarts Research Institute (http://cfmm.robarts.ca). This is a particularly attractive opportunity for those with partners in the same or similar area. The CFMM houses Canada’s only collection of high-field (3T Siemens Prisma) and ultra-high field (7T Siemens Terra Dot Plus and 9.4T Bruker AV3HD 31cm bore) MR systems. The Centre is dedicated to establishing the anatomical, metabolic and functional characteristics of normal brain development and healthy ageing across the lifespan; as well as establishing the brain basis of developmental, neuropsychiatric and neurodegenerative deficits.

The research areas are flexible, and can include RF coils, pulse programming, image reconstruction, rodent and non-human primate imaging and neurophysiology (mouse and marmoset), opto-and chemogenetics, multiple sclerosis, concussion, epilepsy and other applications of neuroimaging.

I also serve as the co-Scientific Director of a $66M 7-year grant that brings together cognitive neuroscience and neuroimaging, which provides excellent collaborative opportunities for imaging from mice to non-human primates to humans (http://www.uwo.ca/brainscan).

The qualifications of a successful candidate should include

- A PhD degree in Neuroscience, Physiology, Electrical Engineering, Biomedical Engineering, Physics, Applied Math, Computer Science, Biophysics or other related fields.
- A strong background in MRI physics, image processing, physiology or neurophysiology.
- Proficiency with Matlab, Python and/or C/C++ programming language is useful.
- Demonstrated independent research capabilities and good organizational and inter-personal skills.
- The ability to work with patients or animals, as appropriate.
- A working knowledge of Siemens IDEA (VE11/12), ICE or Paravision 6.1 would be useful.
- Experience with medical image processing such as ImageJ, Freesurfer, FSL and SPM is desirable.

We provide a highly competitive salary and benefit package commensurate with experience. Four or more years of stable funding is available.

To apply, please send your CV to Dr. Ravi Menon, rmenon@robarts.ca or text 519-852-1627 to meet at ISMRM. Canada welcomes applicants from all countries, backgrounds, genders and orientations. London, ON is a rapidly growing city of ~450,000 2 hours SW of Toronto with excellent amenities, schools and a modest cost of living.