



### Postdoctoral Fellow

A **post-doctoral fellowship** in fetal and neonatal neuroimaging is available in the laboratories of Dr. Emma Duerden and Dr. Sandrine de Ribaupierre at the [Brain and Mind Institute](#) at Western University located in the city of London, Ontario, Canada. The project involves the longitudinal study of critically-ill fetuses and infants using both multimodal MRI and behavioural methods.

The postdoctoral fellow will be involved in the acquisition and analysis of fetal and neonatal MRI data. The role would involve the maintenance and extension of analysis pipelines for neuroimaging data including diffusion tensor imaging (DTI) and resting-state data acquired in fetuses and neonates. The postdoctoral fellow will implement and extend image processing frameworks for new research applications. Data collection will take place at the Robarts Research Institute (<http://www.robarts.ca/>) and London Children's Hospital. The Robarts is a world-class imaging centre with research dedicated MRI scanners including a 7 Tesla magnet.

Applicants should have a PhD in biomedical engineering, neuroscience, computer science, psychology or a related field. Computer programming proficiency (MATLAB, Python, C/C++). Familiarity with FSL (<https://fsl.fmrib.ox.ac.uk/fsl/fslwiki>) would be an asset. Excellent written communication skills and experience in medical imaging would be essential.

Starting date is June 2019 or later, with an initial appointment of 1 year, renewable. Applications will be considered until the position is filled.

Applicants should send a CV, brief statement of research interest, and two or more references to [brainlab@uwo.ca](mailto:brainlab@uwo.ca). Informal enquiry by email is welcome.

Postdoctoral fellows are encouraged to participate in the career development activities through Western's Competitive Edge Program:

[https://grad.uwo.ca/career\\_development/competitive\\_edge/index.html](https://grad.uwo.ca/career_development/competitive_edge/index.html)

**We are committed to diversity and inclusion in all aspects of recruiting and employment. All qualified individuals are encouraged to apply.**

