

Post-Doctoral Position Available:

A postdoctoral position is available immediately under the supervision of Drs. Robert Bartha and Marco Prado at the Robarts Research Institute, Schulich School of Medicine & Dentistry at Western University. Drs. Prado and Bartha have a long-standing interest in the development of advanced high-field MRI and behavioural applications for the study of mouse models of Alzheimer's disease. Imaging will be developed and performed on a 9.4T Bruker small animal MRI scanner at the Centre for Functional and Metabolic Mapping at Robarts Research Institute. We are seeking a motivated person to develop anatomical, diffusion, and function image analysis pipelines to characterize neurodegenerative disease in mouse models, and to monitor and optimize novel treatment strategies. The responsibilities of the candidate will include leading the design, acquisition, and analysis of imaging data for ongoing studies funded by the Canadian Consortium on Neurodegeneration and Aging, manuscript preparation, and participation in student training and grant writing. The candidate will also provide a vital link between the imaging and behavioural cores of BrainsCAN funded by the Canada First Research Excellence Fund.

Qualified applicants for this position should have a PhD degree in Medical Biophysics, Physics, Biomedical Engineering, Computer Science, or a related discipline, with significant expertise in the development of image processing pipelines. Experience working with images acquired from small animal models of disease would be an asset. A stipend will be paid commensurate with experience.

Please send a statement of interest, Curriculum Vitae, and the names of at least two references to:

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