

**Postdoctoral position in high-field fMRI available:**

A 1-year BrainsCAN funded postdoctoral position (renewable to up to 2 years) is available under the supervision of Professors Marieke Mur (Departments of Psychology and Computer Science), Julio Martinez-Trujillo (Department of Physiology & Pharmacology), and Ravi Menon (Department of Medical Biophysics) at Western University.

We are seeking a highly motivated person interested in examining population coding in the prefrontal cortex during cognition. The successful applicant will use high-field (7T) fMRI and pattern analysis techniques to investigate whether the human prefrontal cortex exhibits fine-grained maps of task and stimulus specific activity during engagement in cognitive tasks. The applicant will have the opportunity to work with multi-unit electrophysiology data collected from monkey prefrontal cortex during engagement in cognitive tasks similar to those planned for the human experiments. Neuroimaging experiments will be conducted using the high-field (7T) MRI scanner at the [Centre for Functional and Metabolic Mapping](#). The project will expose the applicant to the world-class translational neuroscience infrastructure and faculty at Western through ongoing collaborations with researchers in the [BrainsCAN](#) Imaging, Computational and Non-Human Primate Cores. The responsibilities of the candidate will include leading the experimental design, acquisition, and analysis of imaging data, manuscript preparation, and participation in student training and grant writing.

Qualified applicants for this position should have a PhD degree in Computational or Cognitive Neuroscience, Computer Science, Biomedical Engineering, or a related discipline. Experience with programming (e.g. MATLAB, Python) and high-field fMRI would be an asset.

Review of applications will start October 1, 2021. Applications will be accepted until the position is filled. Please send a 1-page statement of interest, Curriculum Vitae, and the names of at least two references to:

Dr. Marieke Mur  
Department of Psychology  
Department of Computer Science  
Western University  
Email: [mmur \[at\] uwo \[dot\] ca](mailto:mmur@uwo.ca)

For further details on Dr. Mur's research, see [MurLab](#).

The university campus is in London, Ontario, a thriving city of 400,000 people located midway between Toronto and Detroit. With parks, river valleys, tree-lined streets, and bicycle paths, London is known as the "Forest City" and boasts galleries, theatre, music and sporting events, and many opportunities for outdoor activities.

We invite applications from all qualified individuals. Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups/visible minorities, Aboriginal persons, persons with disabilities, persons of any sexual orientation, and persons of any gender identity or gender expression. Accommodations are available for applicants with disabilities throughout the recruitment process.

More information about benefits for postdoctoral associates at Western University can be found [here](#).