

### **Post-Doctoral Position Available:**

A postdoctoral position is available immediately under the supervision of Dr. Taylor Schmitz in the Brain and Mind Institute at Western University.

Our program of research focuses on the organization, function and disease-related dysfunctions of the brain's cholinergic system. This NSERC funded project will investigate the computational and neural bases of selective visual attention, and their relationships to cortical cholinergic modulation. The successful candidate will use *in vivo* multimodal neuroimaging techniques to elucidate these relationships in humans.

We are seeking a highly motivated person interested in applying multimodal imaging, including fMRI and PET, and novel experimental designs, to link population coding dynamics in the visual cortex to cholinergic modulation and directed attention. Neuroimaging experiments will be conducted using the high-field scanners (7T) at the Centre for Functional and Metabolic Mapping at Robarts Research Institute, and the combined PET/MRI system at the Lawson Health Research Institute. The responsibilities of the candidate will include leading the 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 Neuroscience, Computer Science, Biomedical Engineering, or a related discipline. Experience with programming (e.g. Matlab, Python) and working with multiple different neuroimaging modalities (e.g. MRI, PET) and would be an asset.

The position is funded for up to two years through the Natural Sciences and Engineering Research Council (NSERC) is open immediately. Applications will be accepted until the position is filled. Please send a statement of interest, Curriculum Vitae, and the names of at least two references to:

Dr. Taylor W. Schmitz, PhD  
Brain and Mind Institute  
Western Interdisciplinary Research Building  
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Email: [tschmitz@uwo.ca](mailto:tschmitz@uwo.ca)

For further details on Dr. Schmitz's research, see <http://www.taylorsschmitz.com/>. For more information on the Brain and Mind Institute, see [www.uwo.ca/bmi](http://www.uwo.ca/bmi).

Western University is committed to employment equity and welcomes applications from all qualified women and men, including visible minorities, Aboriginal persons and persons with disabilities.