

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. We are seeking a highly qualified post-doctoral researcher to 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. 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.

We are seeking a motivated person to design novel task manipulations of selective visual attention, along with novel multimodal imaging techniques to advance our understanding of the computational and biochemical bases of attention in neuronal population coding dynamics. The responsibilities of the candidate will include leading the design, acquisition, and analysis of imaging data for ongoing studies, manuscript preparation, and participation in student training and grant writing. The candidate's research environment will include technical infrastructure and collaborative support spanning the Centre for Functional and Metabolic Mapping, the Lawson Health Research Institute, and the Brain and Mind Institute.

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
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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.

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.