Post-Doctoral Position Available:

A 1-year Canada Institutes of Health Research (CIHR) funded postdoctoral position (renewable to up to 5 years) is available immediately under the supervision of Professor Taylor W. Schmitz (Department of Physiology & Pharmacology) at the University of Western Ontario.

We are seeking a highly motivated person interested in applying multimodal imaging, including fMRI and PET, to accelerate the development of biomarkers and clinical treatment strategies for earlier stages of neurodegenerative diseases such as Alzheimer's. Previous work from our group has identified changes in cholinergic function as drivers of neurodegeneration in mice and humans [1,2,3]. The successful applicant will help to build a cross-species translational PET/MR imaging platform in mouse and human to study the mechanisms, causes and consequences of selective neuronal vulnerability to neurodegenerative disease. Neuroimaging experiments will be conducted using the high-field (9.4T) scanners at the Centre for Functional and Metabolic Mapping as well as the microPET and integrated PET/MR scanners at the Lawson Health Science Institute. There are also opportunities for the candidate to combine MR imaging with fibre photometry for neurotransmitter sensors in next generation mouse models of Alzheimer's disease [4]. The project will expose the applicant to the world-class translational neuroscience infrastructure and faculty at Western University through ongoing collaborations with researchers in the BrainsCAN Imaging, Computational and Rodent Cores, as well as clinician scientists at the Lawson and Schulich School of Medicine. 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 Neuroscience, Computer Science, Biomedical Engineering, or a related discipline. Experience with programming (e.g. MATLAB, Python) and working with time-series data (e.g. fMRI and EEG) would be an asset.

The position is open immediately. Applications will be reviewed until the position is filled. Please send a one page statement of interest, Curriculum Vitae, and the names of at least two references to:

Taylor W. Schmitz
Assistant Professor
Department of Physiology and Pharmacology
Schulich School of Medicine
University of Western Ontario
London, Ontario Canada
Email: tschmitz [at] uwo [dot] ca

For further details on Dr. Schmitz's research, visit our lab website at INCAlab. For more information about postdoctoral benefits at Western, please visit the Human Resources at Western website.

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.

Western University
Western Interdisciplinary Research Building,
London, ON, Canada N6A 3K7
t. 519.661.2111 ext. 86057