Postdoctoral Researcher in the laboratory of Dr. Beverley Orser, Department of Physiology, University of Toronto

A Postdoctoral Researcher position is available in the laboratory of Dr. Beverley Orser (www.orserlab.com). The lab is affiliated with the Departments of Physiology and Anesthesia at the University of Toronto.

The research goals are to identify the receptors and networks underlying general anesthesia and the molecular basis of their adverse effects. We are interested in how they impact cognition, and develop strategies to translate research into improvements in patient care. We also aim to identify novel treatment for neurological disorders, including cognitive dysfunction, seizures, pain and mood disorders by targeting specific inhibitory receptors. Our team first identified the unique pharmacological properties of “extrasynaptic” inhibitory GABA\textsubscript{A} receptors. We are investigating the role of these receptors in health and diseases.

Qualifications:

1. Ph.D. degree in Neuroscience or other related field in the biological sciences with research experience in molecular or cellular biology, immunology, or biochemistry.
2. Strong biochemical technical expertise, including but not limited to PCR, Western blotting, Co-IP, gel electrophoresis, and ELISA, et al.
3. Essential job functions include: Planning and carrying out projects involving genotyping and colony maintenance of mice with the above-mentioned techniques; involvement in developing improved techniques, methods or procedures; analyzing results; drafting reports and manuscripts.
4. Prior experiences with animal behavioral assays, electrophysiology, and optogenetics are assets.
5. A good record of scientific publications, strong organizational skills, self-motivation and the ability to work well independently as well as in a team environment.

The laboratory provides an excellent training environment and we are strongly committed to training high-quality researchers who are interested in advancing translational neuroscience. Generous financial compensation will be provided in accordance with experience and productivity. The laboratory is strongly committed to diversity within their communities and especially welcomes applications from racialized persons/persons of colour, women, indigenous/Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Interested candidates should send a Cover Letter, a CV, transcripts, and the names of three references to Dr. Dianshi Wang (dianshi.wang@utoronto.ca).