

## Post-Doctoral Scholar Position in Cerebrovascular Communication

The Robarts Research Institute, Department of Physiology & Pharmacology at the Schulich School of Medicine, is currently seeking a Post-Doctoral scholar to in work in the laboratory of Donald G. Welsh, the Rorabeck Chair in Vascular Biology and Neuroscientists. We are looking for a motivated scientist interested in pursuing vascular biology research from the cell to the whole organism. Our ongoing work focuses on ion channels ( $Ca_v3.1/3.2$  and  $K_{IR}2.1/2.2$ ) and electro-mechanical coupling in resistance arteries from normal and diseased tissue. We rationalize concepts with computer modeling, then test them on tissues harvested from humans and genetically modified mice. Key techniques include myography, electrophysiology, biochemistry and magnetic resonance imaging, and transgenics. Our blending of computer modeling with experimentation is unique and supported by an established network of international collaborators. We seek individuals who recently completed their PhD (within the past 2 years) and with experience in vascular biology and or molecular biology. All applicants with a strong command of English are encouraged to apply.

The post-doctoral scholar duties will include but are not limited to: organizing/implementing a focused research agenda, developing new methods and approaches, data collection and interpretation, writing scientific articles, and mentoring graduate/undergraduate students. Candidates are expected to be effective communicators and to present their research findings to peers at local, national and international meetings. Candidates will be integrated into a postdoctoral training program and given opportunities to develop teaching experience.

The successful candidate will possess:

- A Ph.D. degree in medical biophysics, physiology or neuroscience obtained within the past 2 years, with a strong background in live tissue handling;
- A strong understanding of research design, research methodology and data analysis;
- Evidence of experience in preparation and publication of manuscripts;
- Excellent oral communication and technical writing skills;
- Excellent computer skills (Microsoft Office, EndNote, CorelDraw, SigmaPlot);
- Ability to take guided initiative and to work in an organized fashion with flexibility in shifting between independent and collaborative work;
- Ability to assist in the training of undergraduate and graduate students; and
- Demonstrated collegiality, professionalism and interpersonal skills.

The University of Western Ontario is located ~160 km (100 miles) west of Toronto, Ontario, Canada and within easy driving distance of Michigan and New York state. The population of London, Ontario is 400,000 and the city is multicultural in nature. The university environment is welcoming; the cost-of-living reasonable and recreational opportunities are plentiful owing to the proximity to Lakes Ontario, Erie, and Huron. Competitive salary and a health spending account are provided. Post-doctoral scholars are expected to apply for scholarships as applicable. An initial 2 year term will be offered with opportunity for an extension.

Applications will be reviewed as received until the position is filled. Please send a letter of application including a one-page description of research experience and interests, an updated curriculum vitae, and names & contact information of three referees to: [dwelsh@robarts.ca](mailto:dwelsh@robarts.ca).

Positions are subject to funding availability. Applicants should have fluent written and oral communication skills in English. The University invites 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, and persons of any gender identity or gender expression. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents. Non-Canadian citizens or non-permanent residents will require a valid work visa prior to employment. Posting date: October 2017.