

Post-Doctoral Scholar Position in Cerebrovascular Regulation

The Robarts Research Institute, Department of Physiology & Pharmacology at the Schulich School of Medicine, has a position for a Post-Doctoral scholar to in work in the laboratory of Donald G. Welsh, the Rorabeck Chair in Vascular Biology and Neuroscience. We seek a motivated scientist interested in pursuing vascular biology research from the cell to the whole organism. Our research focuses on ion channels ($Ca_v3.1/3.2$ and $K_{IR}2.1/2.2$) and electro-mechanical coupling in cerebral arterial resistance arteries from normal and diseased tissue. We rationalize concepts with computer modeling, then test them on cerebral arteries harvested from humans and genetically modified mice. Key techniques include myography, electrophysiology, biochemistry and magnetic resonance imaging, transgenics and genomics. 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 successful candidate will possess:

- A Ph.D. degree in physiology, medical biophysics, 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 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. The successful candidate will be integrated into a postdoctoral training program and given opportunities to develop teaching experience.

Competitive salary and benefits including universal healthcare 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 references to: 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: January 2019.