

## **Postdoctoral Fellowship in Molecular & Cellular Biology of Neurodegeneration**

Strong Laboratory — Molecular Medicine Group, Robarts Research Institute, Schulich School of Medicine & Dentistry, Western University (Canada)

The Laboratory of Prof. Michael J. Strong at Robarts Research Institute invites applications for a Postdoctoral Fellowship focused on the molecular and cellular mechanisms of amyotrophic lateral sclerosis (ALS). This role offers an exciting opportunity to conduct innovative research at the intersection of neuroscience, cellular and molecular biology, and translational medicine. The initial appointment is for up to two years, with a competitive salary commensurate with experience. The fellow will join a vibrant, collaborative team with partners across Western University, Canada, the USA, and Europe.

Research focus Projects will center on:

- Using *Drosophila* (fruit fly) models to investigate human genes implicated in neuroprotection and neurodegeneration previously identified via spatial transcriptomics; and
- Evaluating a biologic drug developed in the lab in organoids and iPSC models of ALS.

Techniques Molecular cloning; *Drosophila* genetics and behaviour; immunofluorescence microscopy; transcriptomics; proteomics; and advanced cell culture.

### **Qualifications**

- PhD in Molecular and Cellular Biology, Molecular Biosciences, Neuroscience, or a related discipline.
- Prior experience with *Drosophila* models and a strong background in molecular and cellular biology and biochemistry.
- A solid publication record in peer-reviewed journals.
- Assets: Experience with organoids and/or iPSCs.

· The ideal candidate should demonstrate strong technical and theoretical knowledge; the ability to work independently; to be a team-oriented individual; and the capability to design and execute experimental protocols, including rigorous data collection and analysis.

How to apply Submit a single PDF to [cdroppel@uwo.ca](mailto:cdroppel@uwo.ca) containing:

1. a detailed CV;
2. a 1–2-page research statement outlining your experience, research interests, and alignment with the position; and
3. contact information for three referees. Applications will be reviewed on a rolling basis until the position is filled.

About Western & Robarts Western University is one of Canada's premier research-intensive institutions, with particular strengths in neuroscience and biomedical sciences. The Robarts Research Institute (opened in 1986) hosts more than 600 researchers advancing understanding of diseases including heart disease and stroke, diabetes, neurodegenerative disorders, spinal cord and brain injury, and many forms of cancer. Central to its mission is a multidisciplinary approach to solving health problems.

Equity, Diversity & Inclusion Western University is committed to equity, diversity, inclusion, and accessibility and welcomes applications from all qualified individuals, including those from underrepresented groups. Accommodations are available upon request throughout the recruitment process.

Contact For further information, please contact Dr. Cristian Droppelmann at [cdroppel@uwo.ca](mailto:cdroppel@uwo.ca)