

Postdoctoral Fellowship in Epigenetics and Neurodevelopmental Disorders

Bérubé Laboratory, Department of Anatomy and Cell Biology, Western University, Canada

The Bérubé Laboratory at Western University invites applications for a Postdoctoral Fellowship focused on the molecular mechanisms underlying neurodevelopmental disorders, including intellectual disability, autism, and schizophrenia. This position offers an exciting opportunity to engage in innovative research at the intersection of epigenetics, neuroscience, and translational medicine, under the guidance of Dr. Nathalie Bérubé. Preference will be given to candidates who have completed their PhD within the past two years. The initial appointment is for up to two years, with a competitive salary based on experience.

The research will center on mouse models of Skraban-Deardorff syndrome associated with Wdr26 gene mutations. The successful candidate will employ advanced single-cell multiomic approaches to study the developing brain, investigating the molecular and cellular abnormalities that underlie cognitive deficits. Experimental techniques will include single-cell RNA sequencing, ATAC-seq, ChIP-seq, immunofluorescence microscopy, and primary cortical cultures. The fellow will join a vibrant, interdisciplinary team and collaborate with researchers across Western University and the Children's Health Research Institute, working within the clinical environment of the Victoria Research Laboratories at Victoria Hospital.

Applicants must have a PhD in Neuroscience, Molecular Biology, Genetics, or a related discipline. Candidates with prior experience working with genetically modified mice and a strong background in epigenetics and bioinformatics will be given preference. A robust publication record in peer-reviewed journals is essential. The ideal candidate will demonstrate independence, leadership, and the ability to mentor junior researchers.

To apply, please submit a single PDF to nberube@uwo.ca. This document should include a detailed curriculum vitae, a one- to two-page research statement outlining your experience, research interests, and how they align with the lab's focus, as well as contact information for three academic or professional references. Applications will be reviewed on a rolling basis until the position is filled.

Western University is recognized as one of Canada's premier research-intensive institutions, with particular strengths in neuroscience and biomedical sciences. The Western Institute for Neuroscience (WIN) provides a collaborative environment for tackling major challenges in brain health. The university is dedicated to fostering diversity, equity, and inclusion, and encourages applications from individuals of all backgrounds, including those from underrepresented groups.

For further information, contact Dr. Nathalie Bérubé at nberube@uwo.ca.