



Position available for a postdoctoral fellow at the Brain Repair Centre (www.BrainRepair.ca), in the Faculty of Medicine, Department of Medical Neuroscience, Dalhousie University, under the directorship of Professor Victor Rafuse.

The Rafuse lab (<http://victorrafuselab.com/>) studies various aspects of neuromuscular development, motor neuron diseases such as ALS, and ways to restore function to paralyzed skeletal muscles. We utilize multiple techniques ranging from mouse electrophysiology to in vitro studies using stem cell derived motoneurons and muscle fibers. One position will focus on the study of synaptic dysfunction at the neuromuscular junction using in vivo and in vitro models of ALS (see our recent publications):

<http://www.jneurosci.org/content/34/32/10497.long>

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0091643>

A second position involves a more translational research project designed to restore function to paralyzed muscles using light-activated ion channels (see recent publication): <http://www.nature.com/ncomms/2015/151013/ncomms9506/full/ncomms9506.html>

Both positions are located in the Brain Repair Centre at Dalhousie University in beautiful Halifax, Nova Scotia, CANADA <http://www.destinationhalifax.com>

Candidates must have a PhD in the biological or biomedical sciences. Experience with viral technology, molecular biology, tissue culture and an interest in conducting electrophysiological and behavioural studies in mice is preferred. Successful candidates will become part of a highly successful and collaborative team of investigators studying neural circuitry in a new interconnected laboratory space housing state of the art equipment (see <http://www.amap.ca>). Within the group there is a strong commitment to mentorship and collaboration.

If you are interested in this exciting career opportunity, please email, in PDF format:

- 1) A cover letter describing your research experience and interests, and
- 2) A curriculum vitae

To: vrafuse@dal.ca