POSTDOCTORAL POSITION IN PATCH-CLAMP ELECTROPHYSIOLOGY
Ingenuity Lab

A postdoctoral position in patch-clamp electrophysiology available immediately in Ingenuity Lab Alberta. Ingenuity Lab is located in the Canadian National Institute for Nanotechnology and University of Alberta in Edmonton, Alberta, Canada, with access to the state-of-art facilities in both institutions. For more information about Ingenuity Lab Alberta, please visit our website http://ingenuitylab.ca/. The incoming candidate will work closely with senior research staff in the lab and under the supervision of Professor Carlo Montemagno, a world-leading pioneer in the field of biomimetic nanomaterials. We are focusing on building a lipid vesicle network that is made up of giant unilamellar liposomes (GUiS) containing ion channels and studying the signal transmission among the vesicles. Ph.D. graduate or outstanding Ph.D. students graduating within 1-3 months that are well trained in neuroscience, neurobiology, or physiology of ion channels and are interested in applying their biology expertise to create a neuronal-mimicking network are highly encouraged to apply.

Responsibilities:
- Design and perform experiment;
- Conduct literature researching; perform data analysis and interpretation;
- Assist in manuscript writing;
- Assist in setting up and maintaining of our patch-clamp workstation;
- Provide training to graduate students and technicians.

Requirements:
The successful applicant must have extensive hands-on experience in patch-clamp electrophysiology of ion channels (including voltage-gated and light-gated ion channels) and is capable of setting up and maintaining the electrophysiology workstation. Additional experience in fluorescent microscopy, lipid vesicle, general molecular biology, and protein chemistry is a plus. The incoming candidate is expected to be able to independently design and execute experiments. She or he is also expected to teach and train other research staff and students. Excellent communication in English and ability to collaborate well with other lab members is a must. Compensation is competitive and commensurate with experience.

To Apply:
Email your CV, a statement of your research experience and research interests, and contact information for three references to careers@ingenuitylab.ca

Closing date:
Position open until we find the candidate.

We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.
The University of Alberta offers appointments on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities and Aboriginal persons.