Position Title: Research Associate

Position Summary

A Research Associate (RA) position is available at the University of British Columbia (UBC), Department of Anesthesiology, Pharmacology, and Therapeutics, under the supervision of Dr David Fedida. The RA position requires a highly motivated and skilled individual for the initiation, planning and execution of research experiments and the day-to-day operation of electrophysiology setups, incorporating various patch clamp configurations including two electrode voltage clamp and voltage clamp fluorometry. The RA will use the patch clamp technique to study ion channels expressed in mammalian and *Xenopus* systems as well as to study native currents in human induced pluripotent stem cell-derived cardiomyocytes (hiPSC-CMs).

Key Responsibilities include but are not limited to:

- Daily execution of electrophysiology experiments, utilizing a variety of electrophysiological setups to study ion currents, action potentials, fluorescence signals and their modulation by pharmacologic agents. This will include collection and analysis of scientific data.
- Maintenance of laboratory data books and notebooks.
- Use professional concepts and lab's policies and procedures to solve a wide range of difficult problems in imaginative and practical ways.
- Maintenance of experimental setup and laboratory environment in compliance with good practices.
- Maintains broad knowledge of state-of-the-art principles and theories.
- Present findings at lab meetings and conferences.
- Prepare manuscripts for external publication in high impact peer-reviewed journals
- Supervision of junior laboratory colleagues as requested.
- Other lab duties as assigned.

Qualifications and Skills Required:

- A PhD + post doctoral experience in the electrophysiology of ion channels.
- Competence with analytical software (Excel, Graphpad Prism, pClamp, etc) and rigorous data analysis methods.
- Strong oral and written communications skills (Word, PowerPoint, etc).
- Skills to recognize research issues and solve daily research problems.
- High motivation with ability to work independently and/or as part of a research team.
- Must be a self-starter in the initiation, planning and completion of research experiments.
- Good organizational skills, detail oriented, accurate analysis of scientific data.
- Exercises judgment within generally defined practices and policies in selecting methods and techniques for obtaining solutions.
- Ability to work in a team or matrix to meet organizational goals and timelines.
  Proficiency in scientific literature and understanding of relevant scientific publications.

UBC - One of the World's Leading Universities
As one of the world's leading universities, the University of British Columbia creates an exceptional learning environment that fosters global citizenship, advances a civil and sustainable society, and supports outstanding research to serve the people of British Columbia, Canada and the world. UBC hires on the basis of merit and is committed to employment equity. All qualified persons are encouraged to apply.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.