

Position Summary

The Research Associate role within the Pitt lab in the Cardiovascular Research Institute (CVRI) will be a semi-independent research position, in which the successful candidate work closely with the Faculty Supervisor/Principal Investigator (Dr. Geoffrey Pitt) to investigate various mouse models of neuropsychiatric diseases and neuronal physiology.

Position Activities

Performance and analysis of mouse models and cellular models of physiology and pathophysiology by cellular and slice electrophysiology.

Immunohistochemistry and immunocytochemistry with confocal analysis.

Neuronal cell culture generation from primary cells and able to main them.

Responsible for planning and performing experiments independently.

Data presentation to the Lab and in other academic settings.

Preparing data for publication and writing the associated manuscripts.

Maintain meticulous records of data and experimental protocols to obtain those data.

Employ pCLAMP and Clampfit software or comparable HEKA software (Patchmaster).

Perform other related duties as assigned.

Qualifications

Minimum Requirements

PhD in neuroscience/electrophysiology.

Previous experience in working with mice.

At least three years' experience in a research laboratory routinely using electrophysiology.

Working knowledge of mouse genetics.

Previous neuronal cell culture experience

Working Conditions/Physical Demands

Physical Demands

Physical and visual demands common to research laboratories.

Work Conditions

Biological hazards common to research laboratories.

Aseptic cell culture technique.

Visa sponsorship is not available for this position.