



UBC Faculty of Medicine

Department of Medical Genetics.

Laboratory Manager | Classification: Research Assistant/Tech 4

Job Summary

Works independently, planning, designing and conducting experiments using specialized techniques, methods, equipment and other resources to further understand the pathophysiology of inherited neurological disorders. Specific topics of research include defining the biochemical and cellular functions of SMARCAL1, HMIT, and Tdp1 and how mutation of each causes the associated disease. This individual will be primarily responsible for: 1) characterizing the biochemical function of SMARCAL1, HMIT, and Tdp1 and functional testing of mutant proteins, 2) supervising and coordinating all tissue culture studies, and 3) mouse husbandry--supervising and coordinating all mouse genetic, molecular, cell biology, and pathology studies. Additional duties will include monitoring lab expenses including managing stock inventory and ordering;; developing novel techniques and methodologies; performing experiments and analyzing data; training and supervising students and junior lab personnel in lab procedures including safety issues.

Personnel Specification

University degree (Master's preferred) in related field plus at least 4 years relevant and related experience in the fields of genetics, biochemistry, and molecular biology. Expertise in basic molecular, biochemical, genetic, cell culture and model system techniques is required, particularly the ability to integrate mouse and fruit fly genetics. Ability to work independently, understand instructions and work effectively under pressure. Ability to handle and work with rodents, particularly necropsy, histopathology, immunohistochemistry, and *in situ* hybridization. Effective oral and written communication and organizational skills, ability to exercise judgment and responsibility in assigning work priorities in order to plan, document and complete assignments without supervision, and ability to supervise and train junior staff. Demonstrated laboratory abilities and managerial experience required. Previous experience with *Drosophila* genetics and related techniques, rodent husbandry, *in situ* hybridization, culturing of neurons and neurospheres, and performing rodent necropsy and histopathology is required. Demonstrated ability to form collaborative relationships to achieve common goals and computer skills are required. Also, accuracy and attention to detail are essential.

Applications, accompanied by a curriculum vitae and names of three references, should be emailed to:
ubclabmanager@gmail.com

Closing date: October 22, 2009 at 4pm.

The University of British Columbia is Canada's third largest university and consistently ranks among the 40 best universities in the world. Primarily situated in Vancouver, UBC is a research-intensive university and has an economic impact of \$4 billion to the provincial economy.

The Faculty of Medicine at UBC, together with its partners including B.C.'s Health Authorities, provides innovative programs in the areas of health and life sciences through a province-wide delivery model. The Faculty teaches students at the undergraduate, graduate and postgraduate levels and generates more than \$200 million in research funding each year. It is home to Canada's first distributed MD undergraduate program.



THE UNIVERSITY OF BRITISH COLUMBIA

UBC hires on the basis of merit and is committed to employment equity. We encourage all qualified applicants to apply; however, Canadians and permanent residents of Canada will be given priority.

www.medgen.ubc.ca