



THE UNIVERSITY OF BRITISH COLUMBIA

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### **Job summary**

The primary focus of the research assistant is to provide aid with research studies in a new research laboratory. Exceptional organizational skills, attention to detail, as well as a high degree of motivation, enthusiasm and initiative are required.

### **Organization status**

Works with Principle Investigator and undergraduate and graduate students.  
Reports to Principle Investigator.

### **Work performed**

Duties include: animal husbandry and experimental monitoring of mouse pancreatic tumor models, PCR genotyping, animal necropsy and tissue processing, staining and sectioning, performing a variety of molecular techniques including DNA/RNA/protein extractions, qRT-PCR, Western blotting, cell dissociation, primary cell line generation. Once trained, the individual will be responsible for maintenance of small equipment present in laboratory. Will develop and maintain protocols and databases under direction of the Principle Investigator. Carry out data analysis and create manuscript figures under direction. Attend laboratory meetings. Order and maintain supply inventories and reconcile expenditures under guidance of primary investigator.

### **Supervision Received**

Receives on the job training during initiation phase and training on subsequent assignments or changes in protocol. Carries out familiar phases of duties and responsibilities under general supervision. Meets weekly with the Primary Investigator to discuss progress and new tasks. The Primary Investigator will supervise all research projects.

### **Supervision Given**

The individual may introduce new employees into routines, procedures, and operation of equipment. They may also distribute work to undergraduate student employees.

### **Consequence of Error/Judgment**

This person must pay attention to details, be aware of pitfalls and willing to repeat tasks if necessary. Most of the procedures will require following a protocol already in place, however there is room for innovative thinking to improve existing protocols and to provide input into the direction of the project. Incorrect decisions could result in loss of unique mouse strains or experimental animals and delay the work of the lab as a whole.

### **Qualifications**

High school education with minimum of 2 years related experience or the equivalent combination of education and experience. Previous experience in animal research or cell culture is an asset. Exceptional analytical, communication, and organizational skills.

Attention to detail.

Excellent computer skills (MSwork, Excel, Adobe suite products).

Able to work independently for periods of time.

Able to work and interact within a research team.

Ability to effectively manage multiple tasks and priorities.

Ability to communicate effectively verbally and in writing.

Ability to work efficiently and effectively coordinate tasks.

Ability to exercise sound judgment.

Ability to prioritize and work effectively under pressure to meet deadlines.

*Interested individuals should apply through the UBC Careers website (<https://www.hr.ubc.ca/careers-postings/staff-s.php>) (Job ID 37729) and submit a CV and names and complete addresses of three referees as part of their application.*