

# Research Lab Technician Recruitment

## Position Overview

**Area:** Molecular and cellular biology

**Duration:** 1 year with possibility of renewal

**Start Date:** Jan 2020 or as soon as possible

The University of Calgary, Alberta Children's Hospital Research Institute and Arnie Charbonneau Cancer Institute in the Cumming School of Medicine at the University of Calgary invite applications for a **Research Lab Technician** position. This is a full-term position for one year with the possibility of extension.

This position reports to the Principal Investigator.

The Technician will work within the Arnie Charbonneau Cancer Institute participating in projects related to cancer genomics and immunology.

The primary purpose of the technician is to help in managing the research lab, collecting clinical samples from the hospitals and pre-processing samples. He/she is also expected to finish some daily routine molecular experiments such as DNA/RNA extraction and single-cell library preparation, as well as other laboratory work the PI may appoint.

## Position Description

**Summary of Key Responsibilities** (job functions include but are not limited to):

- Help manage the research laboratory
- Ordering reagents and collecting samples from hospitals
- Pre-process patient tissues/samples
- Conducting in vivo mouse experiments either independently or under the direction of the Principal Investigator and/or other lab members
- Making up basic laboratory stock solutions (e.g. TE, TBS, PBS, ethanol solutions)
- Keeping lab area tidy and clean
- Autoclaving glassware, solutions, laboratory reagents and biomedical wastes
- Operate and maintain basic technical equipment
- Understanding of safety codes, standards, and systems related to molecular and cellular biology
- Performing other duties as assigned by the PI
- Under general supervision & direction of the PI, develop and implement original experiments within the guidelines of the research
- Maintaining clear and well-documented reports of all research experiments
- Contribute to the preparation of manuscripts and grant proposals
- Participate in teaching junior students in the laboratory

## Qualifications / Requirements:

- A Bachelor degree or preferably a Master degree in molecular biology or related field

- Minimum 2 years' experience working in molecular biology wet laboratory, and/or wet lab experience in university-level courses, experience working with mice would be preferred
- Demonstrated knowledge and experience primarily in molecular biology and immunology (such as DNA/RNA extraction, cell culture)
- Previous animal handling experience including injections, dissection surgery and in vivo mouse work would be an asset
- A positive attitude and ability to work independently and as part of a team
- Demonstrated strong communication, team skills, organization, and an ability to exercise judgment within established guidelines
- Must be open to learning and development, and be willing to accept new challenges and assignments
- Must be willing to participate in the writing of manuscripts, treatment protocols and grant applications
- Intermediate to advanced skills in Microsoft Office Suite (Word, Outlook, Excel, PowerPoint)
- WHIMIS certification

**If you interested, please contact Dr. Edwin at [edwin.wang@ucalgary.ca](mailto:edwin.wang@ucalgary.ca)**