

## OBJECTIVE

Seeking a lab technician position to contribute superior project and lab management skills in a reputable organization by bringing exceptional knowledge of conducting literature reviews, collecting and analyzing data and performing technical lab duties, with the eventual goal of leading a research project.

## TECHNICAL SKILLS

<u>BIOLOGY</u>	<u>BIOCHEMISTRY &amp; BIOTECHNOLOGY</u>	<u>CHEMISTRY</u>	<u>OTHERS</u>
<ul style="list-style-type: none"><li>▪ Dissection skills</li><li>▪ pH measurement</li><li>▪ Species identification</li><li>▪ Microscope work</li><li>▪ Column chromatography</li><li>▪ Making LB agar plates</li></ul>	<ul style="list-style-type: none"><li>▪ Bacterial growth</li><li>▪ DNA amplification</li><li>▪ SDS-PAGE analysis</li><li>▪ Western blot analysis</li><li>▪ Bacterial transformations</li><li>▪ Protein expression &amp; purification</li><li>▪ Buffer preparation</li><li>▪ Micropipetting</li></ul>	<ul style="list-style-type: none"><li>▪ Distillation</li><li>▪ Extraction &amp; purification</li><li>▪ Recrystallization</li><li>▪ Titration</li><li>▪ Thin layer chromatography</li><li>▪ Gravimetric analysis</li><li>▪ Melting point analysis</li></ul>	<ul style="list-style-type: none"><li>▪ Fluency in Cantonese and Mandarin</li><li>▪ WHMIS</li><li>▪ MS Word</li><li>▪ MS Excel</li></ul>

## TECHNICAL PROJECTS

### Purification of Various Recombinant Proteins

- Conducted numerous experiments to yield highly concentrated, soluble, monomeric proteins
- Quantified and analyzed the quality of the proteins with methods such as SDS-PAGE and western blot analysis before sending them off to collaborators
- Kept detailed observations and all experimental data and results in company's database

### Effects of Cold Stress and Oleic Acid Supplementation on mutated ER membrane protein *MGA2*

- Composed an experiment to gather insight on the role of the unsaturated fatty acid's effect on the overall growth of the protein under cold stress
- Quantitatively measured the amount of unsaturated fatty acid present in cell membrane using fluorescent microscope and ImageJ program; Qualitatively evaluated the amount of growth present in sample treatments by observing colony formations of streaked cultures

## EDUCATION

### University of British Columbia

Bachelor of Science  
4<sup>th</sup> year majoring in Biology  
GPA: 3.7/4.0

Expected Graduation: May 2017

## WORK EXPERIENCE

Orthopaedics Research Department (Providence Health Care)

May 2016 – Present

**Co-op Clinical Research Assistant (full time)**

**Manager: Biraj Bora**

- Managed the largest orthopaedics study at the research office, consisting of over 800 subjects
- Interacted with patients and surgeons for research purposes
- Generated data analysis reports using the Microsoft Access database and Microsoft Excel
- Collaborated with web developers to build a web version of the database

iProgen Biotech Inc.

January 2015 – August 2015

**Co-op Lab Research Assistant (full time)**

**Manager: Ken Lee**

- Worked independently and as a team to ensure successful progression of experimental work
- Performed various lab tasks such as column purification, running SDS-PAGE gels, and making buffers
- Documented detailed observations and results of the experiment onto computer database
- Assisted in the training and guidance of new employees within the protein purification department
- Consistently maintained a clean and tidy work environment for smooth operation of laboratory work

Takeya Sushi Japanese Deli

December 2010 – January 2015

**Hostess/Waitress (~5 hours/week)**

**Manager: Hiroshi Takeuchi**

- Selected by managers to be responsible for the operation of the cash register and to keep track of daily sales
- Provided consistent service to an endless number of customers in person and through the phone
- Worked collaboratively as a team to deliver quality foods to trusted customers
- Ensured customer satisfaction by regularly asking for feedback

## VOLUNTEER EXPERIENCE

Minoru Residence

October 2014 – Present

**Volunteer Recreation Assistant**

**Coordinator: Darla Lee (~3 hours/week)**

- Coordinated with recreational therapists in the organization and delivery of leisure activities to seniors
- Provided company and comfort to disabled seniors by listening attentively and conversing with them

Ackroyd Pharmacy

November 2011 – March 2013

**Volunteer Pharmacy Assistant (~4 hours/week)**

**Manager: Wilson Li**

- Prepared, packaged, and labelled prescription medications in a solid, timely manner
- Organized prescriptions and inventory records in the computer database
- Trusted with keeping track of private patient information and medical records

*References available upon request.*