JENNIFER LUU XXXXX Street Vancouver, BC 123 456 Phone: (XXX) XXX - XXXX Email: jennifer.luu@my_email.com

OBJECTIVE:

A science researcher position, with the long-term goal of federal science policy

EDUCATION

The University of British Columbia (anticipated)

B.Sc., Biology

RESEARCH EXPERIENCE

Assessing the Rab Protein Family as a Target for Apratoxin

Institute of Molecular and Cellular Biology, supervised by Dr. Robert Robinson

Singapore International Pre-Graduate Award Intern

- Assessed the binding affinity of Rab proteins Rab1b, Rab6b, and Rab11b to the drug Apratoxin, using thermal shift assay and isothermal titration calorimetry. Project done in collaboration with Dr. Hendrik Luesch
- Predicted additional binding targets for Apratoxin in vitro with SILAC pulldown experiments

Characterizing LipU in Mycobacterium paratuberculosis

University of British Columbia, supervised by Dr. Horacio Bach

Directed Studies Student

• Performed *in silico* and *in vitro* analysis of the esterase LipU. Utilized protein purification, enzymatic assays, and site-directed mutagenesis to determine functional conditions and enzyme catalytic site

Analyzing the Microbial and Antifungal Properties of Copper Oxide, Zinc Oxide, 2014

and Copper Zinc

University of British Columbia, supervised by Dr. Horacio Bach

Directed Studies Student

- Evaluated antimicrobial and antifungal attributes of different nanoparticle mixtures *in vitro* against common pathogenic strains of bacteria and fungi
- Investigated cytotoxic effects of nanoparticles with MTT assays

2011 - 2017

2015 - 2016

2014 - 2015

Constructing Plasmids to Assess the Oncogenic Effect of lin28

University of Calgary, supervised by Dr. Jennifer Chan

Co-op Student

• Produced plasmids with molecular cloning to overexpress or underexpresslin28. Transfected plasmids into HEK 293 cells to assess microregulator gene lin28 effects *in vitro* in oncogenesis

Constructing Plasmids for Glioma Subtype Determinant Evaluation

University of Calgary, supervised by Dr. Samuel Lawn and Dr. Jennifer Chan

Co-op Student

- Generated plasmids with molecular cloning to express common tumor suppressor genes, including p53, cdkn2a, and mdm2
- Performed PCR genotyping of mice containing recombinant plasmids

SKILLS

MOLECULAR BIOLOGY

PCR, RT-PCR, QRT-PCR, molecular cloning, site-directed mutagenesis, SDS-PAGE, 2D protein gel electrophoresis

BIOCHEMISTRY

Protein purification, Western blot, thermal shift assay, SILAC pulldown, isothermal titration calorimetry, MTT assay

CELLULAR BIOLOGY

Light microscopy, fluorescence microscopy, haemocytometry, flow cytometry, mammalian cell culture, bacterial cell culture

SOFTWARE

Python, BLAST, COBALT, Prism, FinchTV, SWISS-MODEL, AxioVision, ApE plasmid editor, MS Office, Adobe Photoshop

LANGUAGES

English, French

RELEVANT COURSES

ENGL 301 – Technical Writing	2017
Developed professional writing skills	

MICB 302 – Immunology

• Learned about cells, molecules, and mechanisms underlying innate and adaptive immunity

2014

2014

2016