

4583 West Avenue  
Vancouver, B.C. V5D M8K  
March 9, 2015

Hiring Manager  
STEMCELL Technologies  
375 West 5<sup>th</sup> Avenue  
Vancouver, BC, V5E 1T5

Dear Hiring Manager:

As a student in 4<sup>th</sup> year Biochemistry pursuing a career in biotechnology, I am enthusiastic about the opportunity to become a research technologist at STEMCELL Technologies. I have always been very interested in joining the R&D team and learn about the process of research in industrial settings. I would thoroughly enjoy the opportunity to research and understand the biochemistry and cell biology involved pluripotent stem cell maintenance and differentiation. I am confident that the knowledge and skills I have acquired through academic learning and work experience will make me a valuable asset to the research team.

As a research assistant at UBC Biological and Chemical Engineering and UBC Ophthalmology, I have been trained to quickly learn new fields, assess literature, and design experiments. During the course of my research, I have learned various skill outside of molecular biology such as Matlab, Python and mathematical modelling. I have designed my own enzymatic experiments where I was responsible for gathering all the necessary materials and deciding the parameters of the experiment such as enzyme dosages, substrate levels, and reaction time. I have also carried out my own FTIR experiment to characterize an unknown solid found in our prehydrolysis liquor. I conducted literature searches for identification of the unknown and presented the findings to my research team. These experiences have helped me strengthen my critical thinking and problem solving skills.

My academic work in upper year classes such as Molecular Biology and Molecular Genetics have provided me with a strong background in protein biochemistry and molecular biology techniques. I was able to achieve A grades in all my core biochemistry courses. From performing large-scale projects lasting consecutive lab periods involving PCR, enzymatic assays, and recombinant protein expression and purification, I have demonstrated my ability to effectively manage my time, accurately following procedure and pay high attention to details.

I would greatly appreciate the opportunity to meet with you to further discuss my qualifications and interests. I can be reached at colbysong@yahoo.ca. I look forward to hearing from you. Thank you for your time and consideration.

Sincerely,

Colby Song