3148 East 49th Avenue

Vancouver, BC, V5Y 2PV

December 1, 2021

Dr. Jayesh A Kulkarni

NanoVation Therapeutics

c/o UBC Science Co-op Office

Dear Dr. Jayesh A Kulkarni,

Please consider my application for the role of Formulation Screening Associate as advertised on December 1, 2021 on the UBC Science Co-op website. I am a fourth-year Microbiology & Immunology student with a strong interest in pursuing a career in biomedical and translational research. My areas of study and interest in research and innovation in the biotechnology industry aligns perfectly with your position involving the formulation of novel lipid nanoparticles. With my previous lab experience and thorough understanding of chemistry and microbiology, and experience with data collection and analysis, I believe I would be a suitable candidate for the Formulation Screening Associate position.

Through my previous co-op work experience as a research assistant at the Vancouver Prostate Centre and Microbiology classes, I have developed an array of technical lab skills and knowledge of molecular biology techniques. I have experience with bacterial and mammalian cell culturing, solution and buffer preparation, fluorescence assays, protein purification, PCR, plasmid isolation, recrystallization and electrophoresis gels. I am well practiced in following safety and lab protocols as well as recording all experimental data with care and precision. Through these experiences, I believe I have the appropriate technical knowledge and skills required for your position.

As a fourth-year university student, I have developed valuable detail-oriented qualities and data collection skills. An excellent illustration of these abilities is a 4th year microbiology project where I developed an assay to screen a promoter library for phenylalanine-interacting promoters. I accurately collected experimental data, summarized the findings in a scientific report using Microsoft® Word, produced graphs and performed basic statistical analyses using Microsoft® Excel, and presented findings to a class of 30. I have had many similar lab experiences, both individually and in a team, where I utilized these data collection and analytical skills to produce accurate results and explain experimental findings.

Thank you for reviewing my application for the Formulation Screening Associate position. I would love the opportunity to contribute to your team and your research and I look forward to speaking with you further on how I can fit in your research group. I have attached my resume and can be contacted at (604)-429-8440 or via email at catherineyu5466@gmail.com.

Sincerely,

A picture containing diagram

Description automatically generated

Catherine Yu

Enclosed: Resume