2200 University Blvd
Vancouver BC, V6T 1Z1

April 14, 2023

NanoVation Therapeutics

Dear Dr. Jayesh A Kulkarni,

As a 4th year student in the UBC-BCIT Honours in Biotechnology Program, the Formulation Screening Associate Co-op position at NanoVation Therapeutics genuinely catches my interest. I am intrigued by NanoVation's lipid nanoparticle technology and would love to have the opportunity to learn more about its role in COVID-19 mRNA vaccines. I believe that I can be a valuable asset to NanoVation, as my lab and research experience, ability to work independently, and documentation and communication skills would be immensely applicable to the team.

With research experience in both industry and academia, I have developed a variety of laboratory and research skills. During my co-op at Xenon Pharmaceuticals Inc., I used flash nanoprecipitation to generate polymeric nanoparticles that could encapsulate XEN1101 (API) at increased drug loading capacity. Additionally, I gained an extensive amount of formulation development experience through the execution of formulation screens and the development of a novel transdermal patch prototype.

In my previous co-op placement at the BCIT Centre for Applied Research and Innovation (CARI), I also developed the ability to work independently. At CARI, I independently completed a 1-month stability study measuring the concentration of CBD and THC in over 10 cannabis samples by HPLC. Additionally, I employed problem-solving and analytical skills to operate, train, and write an SOP for an outdated analytical instrument.

Through my courses and previous co-op positions, I have also developed excellent documentation and communication skills. At Xenon, I was trusted with assisting in document collection and review and being a liaison between the CMC team and drug product manufacturers. Having completed four research projects at Xenon, I also have experience writing literature reviews, data summaries, and scientific reports up to 145-pages. This allowed me to become proficient in using Microsoft® Office and demonstrate effective report-writing skills. I believe these skills and experiences would be applicable to the Formulation Screening Associate Co-op position.

Thank you for taking the time to consider me for the Formulation Screening Associate position. I look forward to the opportunity to work with the team and learning more about the role of lipid nanoparticle technology in COVID-19 mRNA vaccines. I can be contacted at 778-847-2636 or angiezhou6@hotmail.com

Sincerely,

Angie Zhou

Enclosed: Resume