

Angie Zhou

2200 University Blvd, Vancouver BC, V6T 1Z1
angiezhou6@hotmail.com • 778-847-2636

OBJECTIVE: Research position in the biotechnology industry with focus on lipid nanoparticle delivery

EDUCATION

University of British Columbia **2018 - present**
Bachelor of Science, Honours in Biotechnology

British Columbia Institute of Technology **2019 - 2021**
Diploma in Biotechnology

PROFESSIONAL EXPERIENCE

Xenon Pharmaceuticals Inc., Burnaby **May 2021 – Dec 2021**
CMC Drug Product Formulation Co-op

- Tested over 25 combinations of drug formulation components including solvents, plasticizers, and polymers to successfully create a transdermal patch prototype for the delivery of epileptic drugs
- Executed over 40 experiments that involved varying polymer and drug concentrations, solvent and anti-solvent flow rates, and polymer type to generate polymeric nanoparticles that could encapsulate XEN1101 (API) at increased drug loading capacity
- Trusted with assisting in document collection and review and acting as a liaison between the CMC team and drug product manufacturers
- Performed over 5 formulation screens to direct PK and toxicology studies in animals
- Effectively delivered a 20-minute presentation to 150+ employees

BCIT CARI, Burnaby **May 2020 – Aug 2020**
Research Assistant Co-op

- Independently completed a 1-month stability study measuring the concentration of CBD and THC in over 10 cannabis samples by HPLC
- Analyzed over 60 different hand sanitizer products using GC-MS to confirm required alcohol content (> 60%) and assess levels of impurities, including toxic components
- Trusted with assisting in formulating and preparing custom orders of kratom (plant) capsules, hand sanitizers, and cannabis drinks for industry partners
- Employed troubleshooting and communication skills to operate, train, and write an SOP for an outdated analytical instrument (Karl-Fisher titrator)

VOLUNTEER EXPERIENCE

UBC-BCIT Biotechnology Club, Vancouver **Sept 2019 – Present**
VP Student Life

- Collaborate with the UBC Science Undergraduate Society and the Microbiology and Immunology Students Association to plan the annual Biotech Networking Night, which includes representatives from over 15 biotechnology companies and 100 attendees
- Demonstrate ability to work in a team, organizational skills, and effective time management through the planning of monthly social events

SKILLS AND ABILITIES

Technical: Proficient: Microsoft Word, Excel and PowerPoint, R and R Suite

REFERENCES: Available on request