**Name: Lily Tran**

**Title:** Associate Scientist II, Vector Process Development

**Company:** ElevateBio Base Camp Inc.

**Time in Current Position:** May 11, 2021 - Present

**Experience:**

Perform DoE and execute experiment for downstream unit operations for LVV and AAV purification process– including Endonuclease treatment, Clarification (Pendotech), TFDF, Chromatography (Affinity/IEX), Filtration (TFF/NFF).

Complete multiple projects to develop and optimize viral vector purification platform

Work on compiling and trending of in-process and analytical data with the use of statistical software (i.e. JMP, GraphPad Prism)

Built out ELN templates and implement LabVantage LIMS into the workflow

Draft and maintain technical documents such as assembly diagrams and SOPs as well as lab experiments that will be used to support process and vector understanding for both process development and manufacturing using Benchling and Veeva

Manage laboratory activities such as: equipment set-up and maintenance, consumables

procurement, and general lab organization

Support Downstream team members with current projects to develop the LVV and AAV platforms

Present data and key results from multiple experiment during Process Development meetings

Support the trainings of new associate in understanding the Downstream process and gaining ability to operate equipments as well as carry out full purification run independently

**Title: Manufacturing Associate**

**Company: Applied BioCode**

**Time in Position: August 3, 2020 – April 30, 2021**

**Experience:**

Responsible for production of Barcode Magnetic Beads (BMB), immuno-chemistry and molecular reagents, in-vitro diagnostic (IVD) and research use only (RUO) products such as SARS-CoV-2 Assay Kits

Followed all SOPs and QSRs in compliance with cGMP through documenting procedure in the Batch Recorded and multi-task to meet deadlines specified in overall project schedules

Utilized BioCode MDx- 3000 medicald device for multiplex molecular detection of different pathogen panels

[ ]  **N/A**

**Title: Laboratory and Pilot Testing Intern**

**Company: GreenTech California**

**Time in Position: September 2019 – December 2019**

**Experience:**

Performed daily research on multiple water treatment plants to conduct AQL sampling, and gave weekly presentations to supervisors on innovating current technology. Followed SOPs to conduct laboratory and field pilot testing on nanobubble generator in the laboratory and in the field at various water treatment plants

[ ]  **N/A**

**Title: Medical Device Development Intern**

**Company: Keck Graduate Institute**

**Time in Position: June 2019 – July 2019**

**Experience:**

Applied best practices in manufacturing, assembly, quality, and operations for commercialization of medical devices by following cGMP and other regulatory guidelines. Developed a low-cost microfluidic device prototype that can identify 9 different UTI-causing pathogens at POC using various methods like MATLAB, Solid Works, 3D printers and laser cutters

[ ]  **N/A**

**Title: Undergraduate Researcher**

**Company: Beckman Laser Institute at UC Irvine**

**Time in Position: January 2018 – September 2018**

**Experience:**

Worked with Electrochemical Therapies (ECT) in adipose tissue and various biochemical assays to further development of inexpensive skin rejuvenation and scar treatment therapies. Assisted the Principal Investigator with various experiments, analyzed data using statistical methods (MATLAB), interpreted results and prepared technical reports

**Education:**

University of California, Irvine (September 2016  **–** June 2020)

B.S. Chemical Engineering

GPA: 3.7

Minor: Innovation and Entrepreneurship

[x]  **N/A**

**Other:**

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**Date CV Updated**: 2/13/2024