

Eliz A. Beth

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EDUCATION

Bachelor of Science, Biochemistry, June 2019
California State University, East Bay, Hayward, CA

LABORATORY SKILLS

- PCR
- Sequencing
- Protein Purification
- Spectrophotometry
- SDS PAGE GEL
- Gel Filtration Chromatography
- Protein Assays
- Sol-Gel Technology
- HPLC
- Sterile Technique
- Western Blotting

EXPERIENCE

Research Lab Assistant, February 2016 to June 2017

Dr. Monika Sommerhalter, Chemistry Department, CSU, East Bay, Hayward, CA

- Assisted with setting up new research lab; lab inventory, chemical organization, and spatial set up
- Worked closely with team members as well as individually to perform assigned projects
- Maintained laboratory cleanliness

Non-canonical nucleotide-pyrophosphatase TM0159 Project

- Performed protein purification via centrifugation, column chromatography for collection of protein samples
- Established SDS-PAGE assay for protein comparison

HPLC project

- Prepared solvents and samples for HPLC instrument operation
- Operated HPLC instrument to analyze separation and identification of proteins

Sol-gel Based Encapsulation of Enzyme Acid Phosphate Project

- Encapsulated enzyme in Sol-Gel materials for enzyme activity assay
- Conducted spectrophotometry for collection of absorbance data to identify enzyme activity

Biology Stockroom Assistant, March to December 2016

Biology Department, CSU, East Bay, Hayward, CA

- Managed stock room supplies via stock auditing
- Provided customer service to lab technicians and equipment service technicians
- Maintained lab equipment and provided solutions to problems when necessary
- Prepared growth media for cell culture

Chemistry Stockroom Assistant, September 2014 to June 2015

Chabot College, Hayward, CA

- Prepared chemicals to be used in science courses by following written procedures
- Disposed laboratory waste, including: sharps and chemical waste
- Labeled and maintained chemical inventories in lab