

Kale Abrha

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PROFILE

I recently completed the Biotech Career Foundations Certificate Program, designed and taught by the Massachusetts College of Pharmacy and Health Sciences. With experience as a Quality Associate and a background in service industry, I am eager to leverage my transferable skills, technical training, and passion for biotech to advance into an early-career lab operations role.

Relevant Technical Training

- Performed sampling in cleanroom environments, following proper gowning procedures per SOP guidelines. Worked within biosafety cabinets (BSCs) and fume hoods for sampling and carried out cleaning procedures for BSCs as part of a routine maintenance.
- Utilized pipettes, including multichannel pipettes, serological pipettes, and a pipette gun, to conduct bulk sampling for testing in a cleanroom environment.
- Completed training in hazardous chemical identification, biosafety, bloodborne pathogens, and chemical hygiene to ensure compliance with lab safety protocols.

Professional and Transferable Skills

- Initiative: Took on additional responsibilities, including coordinating shipment logistics, customer pickups, and workflow improvements with contracted clients. Developed a streamlined Smartsheet tracking system for unclaimed bags, which was adopted across multiple sites, leading to a promotion to an Event Manager.
- Adaptability: Quickly adapted to Python and data analysis tools (JupyterLab, Pandas) in a summer research program, converting PDFs to CSVs and using regression models to analyze socioeconomic factors in flood risk remediation.
- Inventory: Utilized inventory management systems, including LIMS and SAP, for tracking and organizing samples.

EDUCATION

Bioversity – Biotech Career Foundations
Certificate of Completion

May 2025

University of Massachusetts Amherst
Received 110 Credits toward a BSc in Chemistry

Sep 2018- May 2022

EXPERIENCE

Event Manager

The Mobile Locker Team, Boston, MA

Aug 2023- Current

- Oversee intake, storage, and retrieval of customer belongings, ensuring accurate inventory tracking, organization, and compliance. Maintain records by tracking supplies and restocking as needed.
- Manage event operations, coordinating with security and headquarters for smooth workflow. Regularly update security point of contact on bag count to ensure accurate tracking.

Quality Associate - Contractor**Moderna Therapeutics, Norwood, MA**

Sep 2022 – Jun 2023

- Conducted analytical testing (pH, conductivity, Truscan RM spectroscopy) and executed sampling in aseptic cleanroom, ensuring accurate calibration records and controlled document logging.
- Inspected Mobius single-use assembly kits, verifying COAs, gamma sterilization indicator, and product integrity while maintaining GMP compliance.
- Ensured BSC cleanliness through decontamination protocols, followed safety regulations for PPE and chemical handling, and escalated deviations to QA as needed.

Undergraduate Laboratory Research Assistant**Independent Study, Amherst, MA**

Feb 2022- May 2022

- Worked as part of a team to use software programs to model how proteins and ligands might interact based on provided templates, helping analyze potential connections related to Alzheimer's research.
- Collaborated to simulate interactions and analyzed patterns to better understand protein behavior and how mutations in ligands might contribute to conditions like Alzheimer's.
- Engaged in hands-on lab work with teammates, performing PCR and bacterial transformation to test findings-while results weren't successful, the process provided valuable learning experience.

Undergraduate Research Assistant**TUFTS and UMass REU Internship, Amherst, MA**

June 2021- August 2021

- Collaborated with a team to conduct statistical analyses, including regression models and T-tests, to validate hypotheses and extract insights from datasets.
- Applied spatial modeling at the county/state level as part of a team effort, integrating socio-economic data to enhance research findings.