ADEENA MOGHNI

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EDUCATION

Columbia University Mailman School of Public Health, New York, NY **5/2026**
Master of Science in Biostatistics, Concentration in Statistical Genetics
***Courses*:** Biostatistical Methods, Data Science, Human Population Genetics, Probability
Northeastern University, Boston, MA **5/2022**
Bachelor of Science in Bioengineering, magna cum laude

SKILLS

Computer: R, Prism, MATLAB, C++, HiRes automation/coding, Microsoft Office Suites Certified
Lab: Cell Culture (iPS, Primary, Suspension, and Adherent Cells), Reverse Transcription, dPCR, qPCR, RNA Isolation (Bead-Based), TECAN Fluent Sytems, cGMP, cGDP, ELN Documentation

RELEVANT EXPERIENCE

Korro Bio, Cambridge, MA **10/2022 - 7/2024**
Research Associate, High Throughput Screening

- Helped design, script, and validate automated high throughput methods for NGS, PCR, and cell-based assays using various instruments (BlueWasher, BioTek, Viaflo, dPCR)
- Screened oligonucleotide drug candidates in iPS and primary cells
- Collected and interpreted data to present findings to different groups
- Worked as the HTS lead for the oligonucleotide delivery team

Dragonfly Therapeutics, Waltham, MA **6/2021 – 12/2021**
Co-op, High Throughput Expression and Purification

- Assisted in the development of an automated protein expression platform using the TECAN Fluent in HEK293 and CHO cells to screen drug candidates
- Purified tri-specific and monoclonal antibodies using high throughput methods
- Designed experiments to establish a high throughput expression protocol using CHO cells
- Optimized in-lab transfection methods using various transfection reagents

Thermo Fisher Scientific, Cambridge, MA **7/2020 – 12/2020**
Co-op, Process Sciences

- Led, performed, and trained individuals in passaging a lab- scale adherent cell culture from vial thaw to HyperStack inoculation, transfection, and harvest and clarification
- Developed affinity ligand chromatography techniques using the AKTA- Avant system
- Analyzed data in client meetings to help support decisions in process development

PROJECTS

I.V. Glove Neonatal Device, Northeastern University **5/2021 – 5/2022**
Senior Capstone Project

- Worked in conjunction with the company I.V. Glove to build and test a prototype of a functional neonatal I.V securement device
- Presented updates and final results to a panel of judges; wrote a capstone research paper outlining project goals, timelines, deliverables, and key project decisions

Rural Health Scholars Program, Northeastern University **1/2022 – 5/2022**
Directed Study

- Worked on an interdisciplinary team of engineering, public health, computer science, and business students to explore and gather data on rural healthcare delivery how it affects leading causes of morbidity, mortality, and health disparities/ outcomes in rural areas