

IAMA SCIENTIST

518.494.9949 | iamascientist@northeastern.edu | <http://www.linkedin.com/in/iamascientist>

EDUCATION

Northeastern University, Boston, MA

December 2021

Bachelor of Science in Biochemistry & Minor in German Language and Culture

Extracurricular Activities: Founder of NU German American Association, Member of NU American Medical School Association, Member of NU Biology Club & NU Biochemistry Club, NU Outdoors & Hiking Club

Senior Capstone Project: Prevention of Herpes Simplex Virus Type 1 Encephalitis long-term neurological sequelae through viral gene-silencing

LABORATORY EXPERIENCE

Cell Culture: Pipetting, centrifuging, aseptic technique, media preparation, cell counts, cell harvesting, cellular protein extraction, managing large amounts of immortal and primary cell lines, operation of a hypoxia chamber, bacterial cell heat fixing, gram staining, acid-fast staining

Animal Handling: General care of mice & rats at lab models; subcutaneous, intraperitoneal & intravenous injections; general anatomy & dissections; cardiac punctures for blood collection

Analytical Techniques: Bradford-Lowery Protein Assays, SDS-PAGE Gel Electrophoresis, Titrations, Column Chromatography, Western blotting, Radioligand Competitive Binding Assays, Quantitative Real-Time PCR Multiplex Assays, Reverse Transcriptase PCR, Glycobiomarker Arrays, DNA & Protein Microarrays, Bomb Calorimetry

Lab Safety & Management: General safety in BL2 & BL3 labs; general lab inventory management; operation of flow hoods; handling, storage & disposal of radioactive and infectious materials; operation of Geiger Counters & NaI Probes

TECHNICAL SKILLS

Technology: Windows Systems, Ubuntu Linux Systems, Microsoft Office Suite, Graphpad, Mathematica, ChemBioOffice, & GaussView, Adobe Photoshop, Dreamweaver, & Reader; HTML, PHP, MySQL, & Microsoft Visual Basic; Website Design

Certifications: Pharmacy Technician Certification Board

WORK EXPERIENCE

Molecular Insight Pharmaceuticals

Cambridge, MA

Research & Development Laboratory Assistant

Jan. 2020 – July 2020

- Maintained cultures of several prostate cancer cell lines for assays and animal injections.
- Proficient in the handling, injections with radioactive compounds, cancer cell lines, and dissections of small animal models.
- Collaborated with research and development team in the determination of potential new radio-pharmaceutical compounds.
- Observed radio chemists and organic chemists synthesize, radiolabel, and HPLC purify compounds for further testing.

New York State Dept. of Health Wadsworth Center Viral Encephalitis Laboratory

Albany, NY

Clinical Virology Laboratory Assistant

Aug. 2019 – Sept. 2019

- Accessioned patient bodily fluid specimens into the NYS Clinical Laboratory Information Management System database.
- Prepared patient specimens through standard & automated pipetting methods for the qRT-PCR assay detection of viral DNA.
- Collaborated with research scientists in the optimization of qRT-PCR assays for better detection of viral DNA in specimens.
- Observed research scientists utilize automated nucleic acid extractions, genome sequencing, and NCBI database querying.

Brigham and Women's Hospital Dept. of Molecular Urology Laboratory

Boston, MA

Molecular Urology Laboratory Assistant

Jan. 2019 – Apr. 2019

- Maintained cultures of ovarian and breast cancer cell lines for biomarker microarrays.
- Extracted & purified proteins from cancer patient serum & blood samples for concentration determination via Bradford assay.
- Researched and helped further develop proteomic biomarker microarrays used in the detection of cancer specific proteins.
- Interacted with similar researchers and research companies to verify the reproducibility of the microarray results.

CVS/Pharmacy

Delmar, NY

Lead Pharmacy Technician, CPhT

Aug. 2018 – Dec. 2018

- Assisted pharmacists in filling prescriptions, retrieving, counting, pouring, and measuring medications.
- Verified prescriptions from doctors, prepared insurance claims, and supervised other pharmacy technicians.