**Adan Alin**

337 East 112 Street New York, NY 10029 • adanalin113@gmail.com • (212)-380-3859

**EDUCATION**

**University at Buffalo**

**Major:** B.S Biological Science Pre-Health Concentration *Graduation Date: May 2019*

**Key Skills**

* **Laboratory Skills**: DNA extraction, PCR, Inoculating broths/agar plates, Plate Counting, Serial Dilutions, ELISA plating, Maxi Preps, Tissue Culture, Vitro Cell work, Western Blot, Cell Imaging, Gel Electrophoresis

**EXPERIENCE**

**Genetworx, Woodbridge, NJ**

*Clinical Technologist* *December 2020-Janurary 2021*

* Lysed, isolated, and analyzed the SARS-COV-2 virus using Lucigen plated and RT-PCR respectively
* Performed clinical testing of SARS-COV-2 consistently according to established standard operating procedures as described in procedure manuals, quality control specifications, and workflow guidelines.
* Ensures that all workflow processes are completed within 24 of receiving samples. Monitors TAT report to ensure timely reporting of the results.
* Completed daily and weekly maintenance along with the organization of all documentation generated by the laboratory or by instrumentation such as QC and calibrations.
* Ran RT-PCR tests using a Bio-Rad and analyzed, processed, and reported results to the supervisor.

**Bioreference Laboratories, Elmwood Park, NJ**

*Clinical Technician* *March 2020 – August 2020*

* Using the Panther Fusion, ran COVID samples using RT PCR and reported results to LIS.
* Extracted and normalized DNA for clinical myeloid samples using the QIAsymphony and DNA Mini Kits.
* Cleaned up DNA using an AMPure clean-up kit. Afterward, the DNA would be stored in a -80C fridge.
* Calculated and recorded the concentration for DNA samples using the Qubit assay for normalization and FLT3 send-outs.
* Performed overnight lysis on paraffin-embedded tissue for DNA and TNA extractions.
* Requested, mapped, and accessioned all myeloid and solid tumor samples on Exemplar and Brad Live to ensure the proper test is performed.
* Assigned and completed such as FLT3 send-outs, test code changes, & AMPure cleanup.

**Jacobs School of Medicine, Buffalo, NY**

*Research Assistant*                                                                                                            *November 2017 – May 2019*

* Independently ran experiments to gather and analyze data for the faculty researcher and principal investigator.
* Grew, lysis, and extracted the infected fungal cultures using a Qiagen Maxi prep to isolate DNA of the pseudovirus.
* Establish and maintained several mammalian cell lines along with counting, and infected cells with an HIV and Ebola pseudotype virus.
* Performed several experimental procedures including assays such as PCR, ELISA plating, isolation techniques of both RNA and DNA, and immunohistochemical staining of cells and analysis under a microscope.
* Used ELISA plating, Western Blotting, and Gel Electrophoresis to identify and quantify DNA and proteins.
* Collaborated with a Masters’s student to create several project time tables and carried out the outlined objectives.
* Created data spreadsheets with different computer programs such as Image J, Microsoft Excel, and Biotek Gen 5s’ software.
* Created PowerPoint presentations for the faculty researcher and principal investigator for updates on research progression.
* Invited to present at the Celebration of Student Academic Excellence, where I displayed the lab’s findings to the attendees.

**Harlem Hospital, New York, NY**

*Pharmacy Technician*                                                                                    *July 2015 – February 2017*

* Measured dosage units of drugs and places units’ doses in appropriate containers for health professionals.
* Organized written prescriptions, types prescriptions labels and affixes labels on containers.
* Delivered medication to nursing units according to hospital policies & procedures.
* Retrieved and reviews prescription data for a computer-generated files for review by a pharmacist.
* Checked storage bins for expired, expiring, or recalled medications.
* Obtains drugs from stock room to replenish completed/expired medication.
* Delivers unit dose cassettes to nursing unit for exchange.

**ACTIVITIES**

**Pre-Pharmacy Club E-board**

*Secretary August 2015 – May 2018*

*President August 2018 – May 2019*

Biology Teaching Assistant*January 2017 – May 2018, January 2018 – May 2019*