

**EDUCATION**

**Master of Science in Applied Statistics GPA: 3.35/4.00**  West Chester University August 2022 - Present

**Bachelor of Science in Biology GPA: 3.64/4.00**

The Pennsylvania State University, University Park, PA August 2017-May 2021

Dean’s List: FA 17, SP 19, SP 20, FA 20, SP 21

**EXPERIENCE**

**Teva Pharmaceuticals January 2023-Present**

*Microbiology Senior Quality Control Associate (Biological Researcher II)*

* Creation of Trend Reports through analysis of environmental monitoring and utilities data
* Performs environmental monitoring and sampling of plant utilities (WFI, purified water, compressed gas) and production clean rooms using particle counters, contact plates and microbial air samplers. Process environmental monitoring samples including plate enumeration and data entry.
* Performs routine and non-routine microbiological and analytical testing such as bioburden testing, bacterial endotoxin testing, conductivity testing, total organic carbon testing, media growth promotion and gram staining.
* Identify bacteria, molds, yeast, and other related organisms.
* Maintain compliance with applicable ICH, GMP and safety regulations. Notify management of unexpected results, procedural deviations and equipment problems.
* Writing and review of standard operating procedures, work instructions, protocols, reports and laboratory investigations. Respond to technical questions and problems.
* Assist management and BOSS team with instrument and equipment maintenance, troubleshooting and compliance.

**Adaptimmune, LLC November 2021 – December 2022**

*Quality Control Specialist - Microbiology October 2022-December2022*

*Quality Control Associate - Microbiology November 2021 - September 2022*

* Performed sterility and bioburden using the BacT/Alert3D as well as endotoxin using the nexgenMCS
* Performed growth promotion for release of materials as well as media inventory monitoring and communication, kept up complete and up to date lab records and documentation
* Trainer for aseptic behaviors, gown qualification, environmental monitoring, SMA OneTouch use, endotoxin testing, sterility testing, use of environmental monitoring equipment (Climet 453 and SAS 180)
* Initiated and completed deviations as well as aided in investigations for root cause
* Wrote and aided in streamlining of numerous new standard operating procedures and work instructions for the QC Micro Group
* Aided with validations: time studies for endotoxin, media hold study for environmental monitoring samples, data integrity on environmental monitoring trend reports
* Primary for the creation of quarterly trend reports via the use of MODA application as well as EM summaries for product release
* Aided in contamination control strategy report working with three different sites to draft a policy and site-specific strategies
* Worked with plates and microorganisms via performing daily reads, incubation, and sampling
* Worked on identification of microorganisms via the use of the VITEK MS
* Created new environmental monitoring maps using Visio
* Trained in testing of incoming lots of compressed gas and CO2 for purity to release into manufacturing use
* Began training on PCR/VSV-G testing

**Eurofins Scientific Insourcing Solutions Contractor at Adaptimmune, LLC**

*Quality Control Associate -Microbiology June 2021 - November 2021*

* Developed knowledge of CGMP regulations
* Gown qualified for up to grade A spaces
* Executed daily environmental routine monitoring and lab maintenance

**TECHNICAL SKILLS**

**Quantitative Skills**

* SAS & R Programming
* Microsoft Office, Use of Quality Systems for GMP labs (QCLIMS and MODA)
* Visio

**Laboratory Skills**

* Knowledge of CGMP regulations and aseptic technique in up to Grade A spaces (gown qualified)
* Sterility, Growth Promotion and Endotoxin testing, interpretation of results and data
* Plate reads, environmental monitoring, organism IDs, VITEK machine, gram stain, catalase test, streaking, use of microscope, technical scientific writing, technical presentations
* Lab maintenance, cleaning, and stocking needs as well as media inventory, cGMP trainer, knowledge of GDP

**Relevant Coursework**

* Mathematical Statistics, SAS Programming, R programming, Computational Statistics, Linear Models, Survival Analysis, Principles of Experimental Analysis
* Cell Biology, Epidemiology, Physiology, Function and Development, Molecules and Cells, Neuroscience, Biometry, Ecology, Biochemistry, Organic Chemistry lab techniques

**HONORS & Member, Phi Sigma Rho – Women in STEM Sorority** September 2020 – May 2021

**INVOLVEMENT** *Penn State University*

* Membership Educator – coordinated the membership education period for a group of 20 women