

**QUALIFICATION SUMMARY**

---

Highly motivated and well organized individual with past experience as an Analytical Chemist. Proven ability to handle multiple tasks in a fast paced environment. Diversified training in the areas of Chemistry, Zoology, Molecular and Micro-biology. Well versed background with experience in a variety of fields within the last 5 years.

**SPECIAL SKILLS**

---

**Software:** Word, Excel, Outlook, Empower, ChemStation, EZChrom Elite, SPLUS, Java, C++

**Pharmaceutical Instrumentation:** Agilent 1100/1200; Waters Alliance 2695 HPLC Systems,

**Pharmaceutical Expertise:** HPLC, TLC, IR, FTIR, KF, UV/VIS, TOC, Dissolution, Disintegration, PCR, Tissue Culture, Electrophoresis, Tablet characterization, USP powder characterization, Sieve particle size analysis, high shear and fluid bed granulation, blending, tableting, coating

**Miscellaneous Expertise:** Field mapping, Plant density, Trapping (harp, pitfall, malaise, etc), species identification

**Regulatory:** Trained and compliant to FDA, cGMP, SOP, and OSHA regulations

**PROFESSIONAL EXPERIENCE**

---

**Emerson Resources****Formulation Specialist****Norristown, PA****May 2014 – Present**

- Experience in solid dose development including techniques for solubility enhancement, granulation, tablet compaction optimization, specialty coating applications, and dosage form characterization.
- Successfully supports Formulation Scientists in the Research and Development of products into clinical batch manufacturing.

**Emerson Resources****Analytical Chemist****Norristown, PA****January 2012 – April 2014**

- Provided analytical support to API formulation, raw materials, and finished drug products in the form of assay/CU, residual solvent, dissolution, and identification characterization analysis.
- Supported performance qualification and documentation to HPLC, KF, Dissolution, and Disintegration instruments.
- Responsible for compliance with cGMP regulations, establishment and implementation of SOP's, analytical method development and sample testing for solid dosage forms, and documentation management.
- Prepared and reviewed analytical methods, SOP's, Initiated Change Control Request for existing cGMP documents.
- Conducted deviation, OOS, and OOT investigations.
- Provided training to incoming interns and Co-ops at Emerson Resources.

**Emerson Resources****Laboratory Technician /Intern****Norristown, PA****Sept. 2010 -- January 2012**

- Provided support to analytical chemists by preparing mobile phases and dissolution media as well as standard and check standard preparations.
- Responsible for the ordering of lab reagents and controlling the use and regulation of reagents by creating and implementing a detailed inventory SOP.
- Responsible for receiving, handling, and ordering of all reference standards, columns, and instrument necessities.
- Responsible for maintenance of the Analytical Stability pull calendar and documentation/tracking of pulled and incoming samples.

**James Cook University: Department of Vertebrate Anatomy  
Field Research and Laboratory Assistant**

**Townsville, QLD - Australia  
February 2010 - July 2010**

- Expertise in trapping, identifying, and handling Australian Fauna; specifically but not limited to Avian, Mammalian, and Amphibious animals.
- Extensive work with Polymerase Chain Reaction (PCR) investigation of Chytrid fungus on amphibians.
- Experience in Gel Electrophoresis with Northern, Southern, and Western blotting techniques.
- Observations, measurements, and recordings of environmental atmospheric conditions using statistical software (S-plus and creating custom statistical programs using computational language: Java).

**Gwynedd-Mercy College: Department of Natural and Computational Sciences  
Laboratory Assistant**

**Gwynedd-Valley, PA  
February 2009 – Sept. 2010**

- Analysis of micro-organisms and transfer on plate culture using sterile technique.
- Tissue culture experience and cell line research on an Ovarian Cancer Cell Line (CaOV3).
- Laboratory preparation of solvents for organic, general, and biochemistry labs.
- Inventory procedures and safety checks on eye wash, showers, hoods, etc

**EDUCATION**

---

**Gwynedd-Mercy College**

**Gwynedd-Valley, PA**

**B.S. Biology: Cum laude (GPA: 3.7)**

**Minors, Mathematics and Chemistry**

**August 2008 – May 2012**

Thesis: The Evolution of Humor and Laughter Based on Neurology and Acoustics

**PERSONAL**

---

- Volunteer coordinator and House Team Member at the Philadelphia Improv Theatre (PHIT).
- Active member in the Philly Sport and Social Club