

RESEARCH SCIENTIST II

Summary

Highly motivated Research Scientist II combining excellent academic credentials with seven years of GLP-compliant experience within a leading global Clinical Research Organization. Background includes managing small molecule bioanalysis projects using GC/MS/MS and LC/MS/MS assays. Expertise in multiple analyte method development, method automation, assay validations and coordinating sample analysis projects to meet clients' needs.

Highlights

- Quality GLP documentation
- Expert in method development and validations
- Well versed in four Mass Spectrometry platforms
- Write and revise SOPs
- Excellent written and verbal communication
- Strong problem solving skills
- Time management and resource scheduling
- Training mentor

Accomplishments

- Co-founder of the Method Development Group to streamline processes and gain efficiency.
- Successfully validated and performed sample analysis for the company's first peptide project using the Thermo TSQ Vantage QQQ LC/MS.
- Set precedence for developing protein binding quantification methods using Rapid Equilibrium Dialysis.
- Automated and modernized steroid methods using the Agilent 7000 Series QQQ GC/MS for higher profitability.
- Promoted company brand by presenting a poster at the 60th American Society of Mass Spectrometry conference.

Experience

Research Scientist II

December 2012 to Current Exact Sciences i¼ Tn , TN

- Leader within the GC/MS/MS Method Development Group.
- Skilled in multiple derivatization techniques and working with endogenous compounds.
- Member of the mentorship program including training of other laboratory personnel in analytical and instrumental procedures.
- Senior review analytical data for acceptability of documentation, calibration, control values, chromatography, and quantitative limits.
- Import and interpret quantitative results through internal LIMS system.
- Track and manage sample analysis work-in-progress and assay validations.
- Communicate with and direct other project team members, report coordinators, and quality assurance auditors.
- Communicate project status with the client in the absence of the Principle Investigator.
- Respond to audits, write deviations, and perform investigations.

Research Scientist I

February 2012 to December 2012 Danaher i¼ Philomath , OR

- Efficiently developed and validated diverse LC/MS/MS analytical methods to support sample analysis.
- Proficient in compound characterization by MS and chromatography development.
- Independently designed method development experiments and interpreted results.
- Wrote and revised test methods, validation protocols, and sample analysis plans according to client specifications.
- Proficient in HPLC and MS troubleshooting.

Analytical Chemist II

April 2009 to February 2012 Eurofins Scient. i¼ Tacoma , WA

- Performed method development experiments under the guidance of senior scientists and interpreted data.
- Well versed in method validation requirements.
- Prepared validation plans, validation worksheets and coding plans.
- Completed validation study reviews.
- Responsible person of two company SOPs.
- Familiar with the data review process.

Analytical Chemist I

October 2007 to April 2009 Abbott Laboratories i¼ Omaha , NE

- Performed extraction of analyte(s) from biological matrices for use in sample analysis and stability testing.
- Required use of instrumentation, automation, and LC/MS/MS and GC/MS/MS to support extraction.
- Prepared and properly used reagents, controls and calibrators by following SOPs.
- Created runs and sequence files for sample analysis.
- Properly integrated chromatograms and processed data.
- Followed SOP and GLP guidelines while maintaining an organized and safe working environment.
- Understood the requirements for laboratory documentation to ensure FDA compliance.

Pharmacy Technician

May 2006 to September 2007 Wegmans Food Markets, Inc. 1/4 Johnson City, NY

- Assisted the Pharmacists in filling prescriptions by maintaining patients' files, calling doctors' offices, processing shipments, and maintaining inventory levels.

Student Research Project

September 2006 to April 2007 The Richard Stockton College Of New Jersey 1/4 City, STATE

- Performed Immunoprecipitation procedures on extracts of *N. crassa*.
- Used the technique of SDS PAGE to separate and analyze proteins.
- Presented research at Thomas Jefferson University SIGMA XI Student Research Day.

Education

Bachelor of Science : Biochemistry/Molecular Biology, May 2007 The Richard Stockton College of New Jersey 1/4 City, State, USA GPA:

GPA: 3.74 Program distinction, Dean's List

3.74 GPA, Program distinction, Dean's List

Training Courses

- QQQ GC/MS Techniques and Operation (Joanne Windley â€“ September 2013)
- Trends in Method Development for HPLC and UHPLC (Supelco â€“ October 2012)
- Mass Spectrometry of Peptides and Proteins (Arthur Moseley, Ph. D. â€“ May 2012)
- Method Development Training (Phenomenex â€“ August 2011)
- Developing Robust LC Methods (Paul Scheeler â€“ May 2010)
- SPE-LC/MS Analysis and Advances with Waters Oasis SPE technology (James Teuscher â€“ January 2010)
- High Resolution Mass Spectrometry (Richard LeLacheur, Ph. D. â€“ January 2010)
- Fundamentals of Clinical Trials (Robert Morrison â€“ November 2008)

Presentations (Posters)

Amanda Mattson, Caitlin Weisberg, Clark Williard, George Scott

Method Development of a Mass Spectrometry-Based Assay for the Quantitation of Free Fraction Compound X in Human Plasma using Rapid Equilibrium Dialysis. *American Society for Mass Spectrometry*. Vancouver, May 2012.