

SCIENTIST, BIOANALYTICAL LC/MS

A.L. Pugh, B.Sc.

3580 west 41st ave. apt 408
Vancouver, B.C. V6N 3E6
604-261-7210
puga59@telus.net

CAREER SUMMARY

A scientist with eleven years of experience in the pharmaceutical CRO business. Recognised for my skills in analytical method development and instrumentation under a GLP environment.

CAREER HISTORY

**MDS Pharma Services
Montreal, Quebec**

1994 - 2005

(Phoenix International Life Sciences became MDS Pharma Services in 2000)

Scientist, Bioanalytical LC/MS R&D

2000 - 2005

Under the supervision of a team leader, I developed methods of analysis for pharmaceuticals and metabolites in biological matrices.

My duties included:

Pre-method development literature searches.
Ordering of standards and the preparation of stock and spiking solutions.
Requesting or ordering supplies related to method development such as chromatographic columns and non-standard reagents.
Ordering non-standard reagents needed for method development.
Determining optimal mass spectrometer parameters for analytes.
Developing chromatographic conditions for analysis of pure and extracted samples.
Investigating different sample preparation methods for ruggedness and reproducibility.
Method trouble-shooting.
Recording of experimental data and data analysis.
Preparing updates to the client.
SOP writing.
Adherence to SOP and GLP specifications.
Assisting the validation team with method validation.

Accomplishments:

- Over the years in the LC/MS department I obtained experience with several Sciex API mass spectrometer models (API I, III, 300, 3000 and 4000) and HPLC systems, switch valves, auto samplers and general laboratory equipment.
- Several posters shown at the ASMS conferences were developed from my work. Scans of these posters are available.
- I was able on several occasions to improve business productivity and profitability by trouble shooting and increasing the reliability of existing methods.

Scientist, Bioanalytical LC/MS R&D **1999 - 2000**

Under the supervision of the team scientist, I was responsible for analytical method development. I performed a variety of general laboratory techniques, complex extractions, completed supporting paperwork, SOP writing, data analysis, operation of Sciex API III, 300, 3000 mass spectrometers and various HPLC systems and auto samplers.

Senior Analyst, Bioanalytical LC/MS R&D **1997 - 1999**

Under the supervision of the team scientist, my responsibilities included developing extraction methods, developing chromatography for analysis, set up and operation of auto samplers and Sciex LC/MS/MS systems, data analysis and SOP writing.

Analyst, Bioanalytical LC/MS R&D **1997**

Under the supervision of the team scientist, my responsibilities included assisting in method development for LC/MS R&D, assisting with the development of methods of extraction, set up and operation of auto samplers and Sciex LC/MS/MS systems and data analysis. I was also responsible for the maintenance and calibration of the RapidTrace automated extractors.

Analyst, Bioanalytical LC/MS **1995 - 1997**

Under the supervision of the team scientist, my responsibilities included processing biological samples by liquid/liquid, solid phase and protein precipitation extraction techniques under GLP and SOP specifications. Technical functions included general lab instrumentation, solution preparation, data analysis, all in compliance with general and method specific Standard Operating Procedures (SOP) and Good Laboratory Practices (GLP). I was also responsible for the maintenance, calibration and repair of the RapidTrace automated extractors.

During this period I also did some temporary work for the LC/MS R&D department. I performed extractions and assisted in the method development for LC/MS R&D. Responsibilities included liquid/liquid or solid phase methods of extraction, set up and operation of auto samplers and Sciex LC/MS, LC/MS/MS systems, data analysis and keeping a record of experiments.

Chromatography QC Technician, Bioanalytical LC/MS, **1995 - 1995**

Responsible for baseline modification, verification and related paperwork under GLP and SOP specifications.

Analyst, Bioanalytical GC, GC/MS **1994 - 1995**

Under the supervision of the team scientist, my responsibilities included biological sample processing under GLP and SOP specifications by liquid/liquid and solid phase techniques, data analysis, solution preparation, set up and operation of GC NPD/FID systems, completion of related paperwork. I also assisted with report generation and related computer/paperwork.

OTHER EMPLOYMENT

Jewish General Hospital Montreal, Quebec Housekeeping attendant (heavy work)	1987 - 1994
Concordia University Montreal, Quebec Laboratory Demonstrator (part time) Health and Safety Auditor (part time)	1990 - 1991
Toronto East General Hospital Toronto, Ontario Kitchen worker	1986
Lindsay Rehabilitation/ Montreal Convalescent Hospital Montreal, Quebec Kitchen worker, porter, orderly	1977 - 1985

EDUCATION

B.Sc. Chemistry, Specialization Analytical Chemistry Concordia University, Montreal, Quebec	1991
Bioanalytical Chemistry Course Concordia University, Montreal, Quebec 1993 - 1994	1993 - 1994

OTHER

Activities and recreation

Astronomy, telescope making, astrophotography, nature photography, flying, hobby electronics, cacti.

Member of the Canadian Society for Mass Spectroscopy, the Fraser Valley Astronomers Society, the Desert Plant Society of Vancouver and of the Van Dusen Botanical Garden.