

Bounlu Souvannamacho

souvannamacho@yahoo.com ♦ 6744 Kendall St ♦ Arvada CO 80003 ♦ (720) 308-9702

Career Objective: Machine Operator - 3rd Shift

SUMMARY OF QUALIFICATIONS

2 years chemical vapor deposition machine operator in **GMP** environment:

Clean Room Class 1000 high production QA environment
Proprietary Multiple Sputtering Process (Silica and Niobium Borosilicate)
Plasma deposition on composite source
Ocean Optics USB-2000 spectrometer (UV/ VIS)
Grieshaber Thin Films Optic Washer
Electro-mechanical assembly nano parts
Qualitative Inspection with microscope
Maintenance and Assembly of Engineering Systems
Oracle database / Excel / Access / Data Entry

5 years instrumental analysis LCMS systems, quantitative analysis of data, specimen accessioning in screening and confirmation, data processing and review, quality assurance, and validation in a forensic setting:

Varian 320-MS and 325-MS	(MS Workstation versions 6.9.1-6.9.3)
Varian 210 and 212 HPLC pumps	LEAP HTS PAL Autosamplers
QuikLab LIMS	NuGenesis SDMS
MS Word, Excel, Access	Validate stability of control pools
Develop SOPs and LCMS methods	More than 8 years of synthesizing buffers

5 years sample preparation for GC, LC and GC-MS quantitative analysis in GLP environment

Quantitative aliquoting	Liquid / Liquid Extraction (SLE and ILE)
Tissue Homogenization	Turbulent Flow / On- line SPE
Protein Precipitation	Preparation of Standards, QC and Reagents
Solid Phase Extraction (HLB, MCX, MAX)	Maintain and change gas cylinders

Toxicologic Analytical Chemist responsible for client drug reporting encompassing quantitative and qualitative analysis, operations support and Quality Control internal audits.

Manage work flow operations to ensure 36 hour turn-around time of reporting; reviewing of data, troubleshoot instrumentation, validate control pools, and stability samples to improve analytical methods.

Independent study design: Clinical research development utilizing Real-time PCR synthesis, DNA isolation and cloning using Southwestern blot, gene of interest cloning, lyophilization,, RT-PCR multiplexing, and immunoassays at specialty clinic.

EDUCATION

A.D.N- Nursing, Concorde Career Institute, Aurora, CO 11/09

M.B.A- Healthcare Administration, University of Phoenix, Northglenn, CO 6/04

B.S.- Basic Sciences, University of Sint Eustatius School of Medicine, Netherland Antilles 4/06

B.S. - Molecular, Cellular and Developmental Biology, CU Boulder CO, 12/01

Minor - Biochemistry. Boulder CO, 12/01

WORK EXPERIENCE

Analytical Chemist, Forensic Laboratories, Denver, CO, 02/19/07- present

Prepare urinalysis, blood, organic specimens for solid phase extraction then analysis using Liquid Chromatography Mass Spectrometer. LCMS/MS operation, implementation, maintenance and specimen processing. Perform troubleshooting, regular and "as needed" maintenance. Analyze / QA internal audit chromatogram reports for confirmatory legal proceedings and patient drug reporting. Assist with new LCMS/MS method development and validation. Work under pressure to yield accurate results in a rapid turn around time. Lab abides by all regulations of CLIA, OSHA, DEA and is a GLP environment.

Instrumentation: Varian Quadropol Mass Spectrometer 1200, 320 and 325, Varian 210 and 212LC Chromatograph pumps, Pro Star Column Valve Module, Autosampler HTS PAL.

Coating Engineer Tech, Unaxis Inc, Ocean Thin Films., Golden, CO, 10/03- 10/04, and 10/10- 6/11

Worked in a clean room class 1000, ISO 9001 GMP environment with a production team. Operated MSP sputtering machine to coat silica and niobium on various material to produce 3D lens, microchips, thin film optics etc. Utilization of microscope for QC inspection of product. Performed maintenance of MSP, implementation, and operate high pressure vacuum equipment, validation and quality assurance of production process. Database support using MS Access, Oracle, Lambda spectrophotometer (UV/VIS) and Excel.

Professional Research Assistant, University of Colorado Denver, CO, 2/03-06/03

Using mice as a model, independently examined the development of pancreatic beta cells. Sectioned frozen embryos in cryotome. Sectioned frozen embryos onto slides with microtome. Stained with antibodies that targeted pancreatic endocrine ductal cells. Visualized pancreatic tissue under fluorescent microscopy to see co-expression patterns in order to further elucidate the developmental pathway of pancreatic beta cells and their associated transcription factors in determining a final marker for the production of insulin.

Professor's Teaching Assistant, University of Colorado, Boulder, CO, 10/02 -05/03

Helped more than one hundred students failing or struggling get good grades for chemistry, molecular biology and genetics. Made practice test, curriculum design, peer counseling and matriculated students to become better. Received the highest evaluation score from peer reviews.

Patient Care Technician/CNA III, Exempla Healthcare, Denver, CO, 2/02-10/02
Administered post-thoracic surgical care, took patient vitals, monitored blood glucose levels in diabetics, took care of superficial wounds, took urine and stool samples, installed 12-lead EKG monitors, resuscitated and ventilated patients.

Laboratory Assistant, University of Colorado at Boulder, Boulder, CO, 2/98-12/01
Supported research team in synthesizing media, chemical buffers, chemical fixes, chemical reagents and probe analysis. Surveyed radioactive waste, reordered supplies, washed fly bottles, separated male and female drosophila melanogaster phenotypes. Trained and supervised new employees.

REFERENCES

- | | |
|-----------------------|---|
| <i>(720) 530-0382</i> | Jackie Kenkeo
Ocean Thin Films Production Supervisor |
| <i>(303) 469-8042</i> | Ryan Brough
Forensic Laboratories Supervisor |
| <i>(303) 919-7939</i> | Kristen Backstrom
Director of Operations Forensic Laboratory |