LAN HUO

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EDUCATION:

Stevens Institute of Technology, Hoboken, NJ, May 2014
Master of Science in Pharmaceutical Manufacturing, GPA: 4.00/4.00
Relevant Coursework: Validation and Regulatory Affairs, Project Management, GMP in Pharmaceutical Facilities Design, Lean Six Sigma, Quality, Computerized Systems Validation, Manufacturing and Packaging of OSD Products, Contemporary Concepts in Pharmaceutical Validation, Engineering Economics and Cost Analysis

Tianjin University, Tianjin, China, July 2011
Bachelor of Science in Pharmaceutical Science, GPA: 3.60/4.00

SKILLS:

Qualifications: Root Cause Analysis, CAPA, FMEA, Gage R&R, Design of Experiment, Cleaning Validation, Equipment/Process Validation, cGMP, 21 CFR Part 210 & 211
Lab Skills: HPLC, IEC, pH Meter, UV/Visible Spectrophotometer, TOC, Qualitative Tests and Quantitative Assays for OSD, Swab Sampling, Table Compression

PROJECTS:

Stevens Institute of Technology, Hoboken, NJ
Qualification/Validation Project, Validation Specialist 09/2013 – 12/2013

- Created SOPs, Validation Master Plan, PQ and Process Validation protocols
- Calibrated instruments including balance, conductivity meter, and tablet hardness tester
- Executed validation and qualification protocols with tablet press, blender, and oven
- Determined critical factors and optimal design space for blending and tablet compression processes with the application of DOE
- Worked on Gage R&R studies to define measurement variability while measuring tablet weight, thickness, and hardness
- Prioritized potential risks and identified critical controls to minimize risks by using FMEA
- Troubleshot problems when testing results failed to pass pre-determined criteria

Six Sigma Project for HPLC Analysis 03/2013 – 05/2013

- Performed DMAIC to restructure HPLC analysis process resulting in 66.53% time reduction
- Improved HPLC process by performing time value map, affinity diagram, and FMEA
- Established new SOP for HPLC analysis process

Tianjin University, Tianjin, China
PEGylated Recombinant Alpha-Interferon Protein Product 01/2010 – 12/2011

- Expressed and purified the site-specifically mutated alpha-interferon variants
- Designed and optimized experiments for PEGylated protein modification, and analyzed data results
- Further separated and purified PEGylated interferon protein using ion-exchange column

WORK EXPERIENCE:

Stevens Institute of Technology, Hoboken, NJ
Teaching Assistant 09/2013 – Present

- Developed course materials including exam questions and quizzes for pharmaceutical manufacturing program
- Lead small group discussions and help 26 graduate students to understand and use quality tools
- Grade assignments and quizzes

Beaufour Ipsen Tianjin Pharmaceutical Co., Ltd., Tianjin, China
QC Tester Internship 03/2012 – 06/2012

- Tested finished product samples by quantitative methods including atomic absorption spectrophotometer, vapor generation accessory, and X-ray diffractometer
- Detected impurities of samples using UV spectrophotometer
- Accurately conducted daily calibration of standard analytical equipment
- Completed technical reports and maintained lab records in accordance to cGMP regulation

Tianjin University, Tianjin, China
Teaching Assistant 03/2008 – 01/2009

- Conducted and optimized preliminary experiments including synthesis of aspirin, separation and purification, HPLC, PCR, and Gel Electrophoresis
- Assisted 28 undergraduate students to complete experiments in class

CERTIFICATES: Stevens Institute of Technology: Pharmaceutical Manufacturing Practices, 05/2014; Validation & Regulatory Affairs, 05/2014; GMP Training Certificate of Attendance, 11/2013; Graduate Club Leadership Training Certification, 02/2013