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Dana Lauren Pearson

SUMMARY

Motivated graduate with laboratory experience related but not limited to pharmaceutical research and testing. Progressive responsibilities and knowledge in handling chemicals and related laboratory instruments. Possesses exceptional team communication skills and capacity to perform in a dynamic work environment with patience and accuracy. Detail oriented and consistent with ability to solve unexpected problems.

EDUCATION

Bachelor of Science, Biochemistry, University of Wisconsin – Milwaukee, December 2010

Laboratory Skills: Protein Expression and Purification, Plasmid Isolation, Chromatography and Integration, Incubation, Aseptic Technique, Dilutions, Assays, SDS-PAGE, UV-VIS, Microscopy, Filtration, Sterilization Techniques, GLP/GMP Documentation, HPLC (Empower), Dissolution Technology, Impurities, Disintegration

PROFESSIONAL EXPERIENCE

Manufacturing Chemist, February 2013 - Present
Agilent Technologies, Inc — Boulder, CO

- Performs chemical manufacturing operations from synthesis to purification and packaging of oligonucleotides according to customer specifications, regulatory guidelines, SOPs, and GMPs
- Currently gaining operational knowledge to effectively work in all laboratory processes of the direct manufacturing of oligonucleotides
- Prepares buffers, caustic, and storage solutions for campaigns
- Maintains cleanliness during all processes and completes technician duties as necessary

Assistant Scientist, January 2012 – February 2013
Pharmaceutical Product Development (PPD), Inc — Middleton, WI

- Performed stability-indicating assays and related substance methods for small molecule drug substance and drug product in cGMP setting
- Gained extensive operational knowledge of analytical instrumentation such as HPLC, UV-VIS, USP Dissolution (apparatus I & II) and Disintegration technology
- Integrated, interpreted, trended and reported data using Empower software and proper GMP documentation and calculations according to method specifications
- Completed investigations on compounds that do not meet acceptance criteria

Dose Formulations Study Technician, March 2011 – January 2012
Covance Laboratories, Inc. — Madison, WI

- Performed calculations, documentation and specific techniques to formulate test article reagents, vehicles, diets, solutions, suspensions and capsules for dose administration while ensuring study tasks are conducted according to protocol, SOPs, and GLPs
- Ability to adapt techniques to new procedures and particular client specifications without compromising efficiency and high quality standards
- Created and reformulated mix procedures according to specific study protocol
- Regularly participated in pre-study meetings as lead technician and interacted with clients, study directors, and toxicologists

Undergraduate Senior Research, September 2010 – December 2010

University of Wisconsin-Milwaukee Milwaukee, WI

- Expressed and purified large amounts of vitamin D receptor (VDR) protein for use in identifying associated coactivator inhibitors
- Isolated and purified a wide range of plasmids
- Repeatedly performed and analyzed bradford assays to determine relative protein concentrations
- Created and presented graphical analysis for weekly team meetings
- Formulated buffers for use in purification techniques

Bartender, April 2007 – March 2011

Scooter's Pub / Duke's on Water Milwaukee, WI

- Independently responsible for opening/closing the establishment and performing managerial duties such as revenue reports and drawer counts
- Trained and familiarized new staff with company policy and procedures
- Ability to engage a broad spectrum of individuals while multitasking in a fast-paced, dynamic work environment
- Facilitated growth through different marketing strategies and positive personality

Publications

D.L. Pearson, P. Nandhikonda, W.Z. Lynt, M.M. McCallum, T. Ara, A.M. Baranowski, N.Y. Yuan, D.D. Bikle, R.K. Guy, and A. Arnold. Discovery of the First Irreversible Small Molecule Inhibitors of the Interaction Between the Vitamin D Receptor and Coactivators. Journal of Medicinal Chemistry 2012; 55(10): 4640-4651.