

JACKIE CHU

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(622) 222-9999

SUMMARY OF QUALIFICATIONS

- Experienced in dissolution and chemosensory testing
- Familiar with compliance requirements within cGMP, safety and regulatory environments
- Operational knowledge of analytical instrumentation like HPLC, GC, GC-MS, FTIR, UV-VIS equipment, and data stations required
- Extremely solid microscopy and microanalysis skills in addition to basic analytical laboratory skills
- Proficient working with electron microscopy, energy dispersive x-ray spectroscopy and vibration spectroscopy

EDUCATION

Bachelor of Science in Chemistry, CSU Channel Islands, Camarillo, CA

Spring 2020

Minor in Organic Chemistry

WORK EXPERIENCE

STEM Lab Assistant

STEM Program at CSU Channel Islands, Camarillo, CA

May 2018-Present

- Gained experience using wet chemistry methods including titrations and pH, color and moisture testing
- Played a key role in new product development by adjusting formulas and preparing blend sheets for review and approval by R&D department
- Completed testing on rush samples for DEF Company, a Fortune 500 consumer-goods manufacturer
- Submitted test results on time, with efforts cited as instrumental in retaining client business
- Investigated and offered viable solutions for problem batches, leveraging analytical strengths to isolate issues and facilitate their timely resolution
- Developed and maintained an organized recordkeeping system and prepared meticulous lab reports

Senior Research Chemist

Merk Research Labs, Camarillo, CA

Sept. 2017-May 2018

- Developed and completed pre-clinical analyses required to update/amend IND for two antineoplastic drugs, a doxorubicin-peptide conjugate and an indolocarbazole-based topoisomerase inhibitor (PBECL4-special compound handling)
- Developed HPLC, GC direct and headspace methods for impurity profile and assay of key intermediates and final products for in-process synthetic development and optimization
- Supported process chemistry with suggested methods for reaction monitoring regarding purity/yield
- Applied near-infrared and mid-infrared spectroscopy to reaction monitoring, moisture determination and reaction kinetics

PROFESSIONAL INVOLVEMENT & DEVELOPMENT

Member, America Chemical Society (ACS)

Sept. 2018-Present

Associate Member, Sigma Xi Scientific Research Society

Jan. 2018-Present

Attendee, 16th Annual Green Chemistry Conference, Los Angeles, CA

June 2019

Member, Chemistry Club, CSU Channel Islands

May 2017-May 2019