

Kyle Lickteig

Personal Information

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Profile

Ambitious and performance driven associate scientist with five years of lab experience. Looking to further my career in research and development through product development. Interested in leveraging my laboratory experience and my engineering background, to assist Hill's goal to enrich and lengthen the special bond between people and their pets.

Work Experience

05/2018 – present
Topeka, United States

Associate Scientist Hill's Pet Nutrition

- Research new assays to continually improve our product quality
- Restarted the cell culture process to run ingredient screening, and toxicity tests
- Extract DNA/RNA and proteins to run ELISAs and BCA protein assays to examine cytokine effects in the cells
- Analyzed ELISA, protein, and toxicity data
- Set up confocal microscope, and assisted in making fluorescent assays
- to determine mitochondrial functions and other future assays
- Collect and organize fecal, blood, serum, and plasma samples
- Maintain lab organization and upkeep
- Developed a protocol to reorganize storage freezers and dispose of unessential sample

06/2017 – 04/2018
Saint Joseph, United States

Laboratory technician High Plains Bioenergy

- Quality assurance for in-process and finished biodiesel
- Practice gas chromatography (GC), Inductively Coupled Plasma Spectroscopy, Karl Fisher Titration and other various testing methods
- Responsible for testing and generating Certificates of Analysis for all finished products and co-products made at the plant
- Maintained laboratory equipment and instruments
- Ensured that the laboratory was clean and orderly
- Performed tests and experiments
- Recorded and analyzed data
- Wrote reports on findings

Involvement

Hill's Pet Beagle Banquet Organizer
Kansas State Grain Science Symposium Organizer
GSGSO Officer
Colgate Survey Action Team Lead

Skills

Cell Culture
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DNA Extraction
●●●●○

Extrusion
●●●○○

Team Work
●●●●●●

Problem Solving
●●●●●●

Computer proficiency
●●●●○

Communication
●●●●●●

Leadership experience
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Education

08/2013 – 05/2017
Manhattan, United States

Biological Engineering | Bachelor of Science Kansas State University

- Relevant courses: thermodynamics, fluid dynamics, statistics, calculus (I II III), engineering physics, microbiology, biochemistry,
- Researched cell growth and differentiation in fetal swine umbilical cords
- Improved methods of Adipogenesis for cell differentiation
- Created and designed my own poster presentation for an undergraduate showcase
- Obtained knowledge and experience with Light microscopy, cell culture and microcapillary flow cytometry

01/2021 – present
Manhattan, United States

Pet Food Science | Master of Science Kansas State University

- Relevant courses: pet food processing, flavor chemistry, experimental design product development