

John C. Student

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BIOTECHNICIAN

SUMMARY

Detail-oriented lab technician with several years of experience in biological research. Exceptionally skilled in cell culturing and western blot in the areas of cancer research and genetics. Collaborated in team-oriented projects to produce statistically significant results.

LABORATORY SKILLS

Cell Counts, Eukaryotic Cell Culture, DNA Isolation, Gel Electrophoresis (SDSPAGE, Agarose), Western Blot, Flow Cytometry, Chromatography, Spectrophotometry, qPCR, Nuclear Magnetic Resonance Spectroscopy (NMR), Thermogravimetric Analysis (TGA), Differential Scanning Calorimetry (DSC), Inductively Coupled Plasma with optical emission spectrometer (ICP-OES), Urinalyses, Cytology, Blood Typing

EDUCATION

University of Houston – Downtown | Houston, TX

Bachelor of Science in Biology

December 2016

GPA: 3.26

Honors: Dean's List Fall 2016

Relevant Courses: Biochemistry, Cellular Biology, Genetics, Human Physiology, Plant Biology, Ecology, Environmental Lab & Field Studies, Microbiology, Statistical Analysis

RELEVANT RESEARCH

University of Houston-Downtown, Houston, TX

Isolation of Alkaline Phosphatase by Spectrophotometry and Chromatography 08/2014 – 12/2014

Research Team Member

- Conducted biochemical experiment to isolate proteins using spectrophotometry and chromatography then analyzed quantitative biochemical data.
- Collaborated with a team of 5 to complete necessary tasks to isolate the protein *alkaline phosphatase*.

Synthetic Compound Screening for Anti-Cancer Agent Potential

01/2015 – 05/2015

Research Team Member

- Performed various experiments using mammalian cell culture, cell proliferation assay, genomic DNA isolation, immuno-florescence, microscopy, tubulin polymerization assay, and propidium iodine staining.
- Designed experimental protocols to determine the effect of various compounds on cell proliferation and mechanism of action of various drugs.
- Collected and critically analyzed data to determine viability of anti-cancerous drugs that led to candidates further screening.

Elemental Analysis of Tuber Latent Soils in Texas

08/2016 – 12/2016

Research Assistant

- Prepared and analyzed soil composition using Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).
- Statistically analyzed collected data to determine the elemental content of various soil types.