

Scrappy the Owl
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1000 Chastain Rd, Kennesaw, GA 30144

Objective

Seeking an internship in the field of chemistry to expand my knowledge in a workplace environment. Particular areas of interest are clinical trials and research.

Education

Kennesaw State University - Kennesaw, GA Expected; May 20xx
Bachelor of Science in Chemistry 3.5 GPA

Relevant Course Work: General Chemistry, Modern Organic Chemistry, Survey of Chemistry, Quantitative Analytical Chemistry, Biochemistry Laboratory, and Inorganic Chemistry

Projects

“DNA Topological Modifications after Gyrase Inhibition” independent study in Genetics Fall 20xx

- Explored DNA modifications in E. Coli and Salmonella
- Separated DNA fragments with pulsed gel electrophoresis
- Applied Lowry assays and used spectrophotometry, and AMBIS density quantification software
- Prepared written report summarizing data analysis and conclusions
- Advanced our understanding of the activation of the DNA repair system in E. Coli by demonstrating that both of the subunits of the topoisomerase enzyme possess a DNA binding specificity

Skills

Synthetic Skills: Able to work under inert atmospheres using Schlenk and glove box techniques, and can effectively devise and perform multi-step syntheses to prepare complex products

Instrumentation: Experienced with structure elucidation and confirmation through NMR (1H, 13C, 31P, 11B), IR, mass spectrometry and elemental analysis

Equipment: Performed experiments using microscopes, chromatography, mass spectrometers, and electrolysis

Work Experience

Chemistry Lab Student Assistant, Kennesaw State University August 20xx-May 20xx

- Developed a new, highly sensitive technique for the measurement of photochemical reactions on heterogeneous surfaces
- Modeled the kinetics of heterogeneous photochemical atmospheric reactions

Laboratory Intern, Exxon Research Group January 20xx- May 20xx

- Studied gas-phase reactions on various heterogeneous catalysts of industrial importance using spectroscopy

Additional Work Experience

Grocery Store Clerk, Publix May 20xx- August 20xx

- Recorded the items being purchased by customers into the cash register manually and with a barcode reader
- Accepted payment from customers consisting of cash, credit or debit cards, and checks, and make change

Student Organizations

Student Affiliates of American Chemical Society, Member
Phi Lambda Upsilon, Member