

## CAREER OBJECTIVE

To execute challenging and rewarding research in the field of medicinal chemistry. Focused and skilled organic chemist with a background in synthesis and biology.

## EDUCATION

**Bachelors of Science Degree** in chemistry, ACS Certified, Columbus State University, Columbus, GA 2022

Research Adviser: **Dr. Kerri Shelton Taylor**

Research Focus: Synthesis and Characterization of Functionalized Azole Rings against ALS cells

**Biomedical Engineering**, Mercer University, Macon, GA 2012-2015

**High school diploma**, Northside High School, Columbus, GA 2012

## PROFESSIONAL/RESEARCH EXPERIENCE

COLUMBUS STATE UNIVERSITY – Columbus, GA

*Department of Chemistry*

**Undergraduate Researcher – Dr. Kerri S. Taylor** Aug 2021 – present

- Synthesize a variety of imidazolium and benzothiazolium salts for use as potential pharmaceuticals against ALS cells. Evaluated structure activity relationship of substituted *N,N'*-bis(arylmethyl)benzothiazolium salts through substituent variations in the different series of the azolium salts.

**Teaching Assistant – Dr. Kerri S. Taylor/Dr. Samuel Abegaz** Aug 2021 – present

- Accurately assess students' lab reports. Supports instructors to help class adhere to all safety measures and regulations in the laboratory.

## AFLAC

**Claims Specialist II–Sharonda Stewart** October 2016 – August 2021

- Investigates and reviews all claims made by policy-holders
- Verified if coverage applies through an insurance policy.
- Examined, studied, and reviewed hospital and police records.
- Investigated claims made by insurance policyholders which covered accidents and disability for covered individuals
- Determined if claim submission was completed correctly, verified data and entered into system for adjudication
- Reviewed payments history to determine final payment amount, if any
- Provided independent decision making skills and demonstrated initiatives to resolve issues for internal and external customers
- Composed and typed routine letters and documented file activity on a regular basis on the computer
- Assists with the training of new hires
- Knowledge and use of ICD-9, ICD-10 and CPT coding
- Research and process claims according the processing guidelines and benefits
- Knowledgeable in relevant computer software programs – Workdesk, PEGA, CPS, MS Excel and MS Word.

## BEARFORCE

**Office Assistant– Adrian Collier** September 2014 - June 2015

- Operate office machines, such as photocopiers and scanners, facsimile machines, voice mail systems, and personal computers.
- Communicate with customers, employees, and other individuals to answer questions, disseminate or explain information, take orders, and address complaints.
- Answer telephones, direct calls, and take messages.
- Maintain and update filing, inventory, mailing, and database systems, either manually or using a computer.
- Sell and collect admission tickets and passes from patrons at entertainment events.
- Greet patrons attending entertainment events.
- Examine tickets or passes to verify authenticity, using criteria such as color or date issued.

UPWARD BOUND

**Office Assistant**

**August 2013 - May 2014**

- Provided original content in clear, step by step explanations for Sapling Learning system

TJ MAXX

**Sales Associate – Rebecca Valero**

**June 2014 - December 2014**

**AREAS OF INTEREST & TECHNICAL SKILLS**

- Organic Synthesis
- Medicinal Chemistry
- Purification Techniques
- NMR Spectroscopy
- Fourier-Transform Infrared (FT-IR)
- Gas Chromatograph (GC)
- Mass Spectrometry (MS)
- Customer Service
- Retail Services
- Microsoft Word and Excel
- Exceptional information processing skills
- Professional level phone communication skills

**AWARDS AND DISTINCTIONS**

- LSAMP Scholar, Columbus State University, 2021-2022
- Student Award Certificate for The American Institute of Chemists, Columbus State University, 2022

**CONFERENCE PROCEEDING & PRESENTATIONS**

1. White, A., Thornton, D., Ramos, S., Taylor, K., Frazier, M. "ALS cells and the effects of the TDP-43 Protein." Department Chemistry, Columbus State University – Poster Presentation, Fall 2021 Louis Stokes Midwest Regional Center of Excellence (LMRCE) Virtual Conference, "Empowering Diverse STEM Innovators." Chicago, IL – virtual.
2. White, A., Thornton, D., Ramos, S., Taylor, K., Frazier, M. BIOLOGICAL EFFECTS OF BENZOTHAZOLE DERIVATIVES: ALS CELLS AND THE EFFECTS OF THE TDP-43 PROTEIN - Poster Presentation, Spring 2022 Georgia Academy of Science Annual Meeting
3. White, A., Thornton, D., Ramos, S., Taylor, K., Frazier, M. BIOLOGICAL EFFECTS OF BENZOTHAZOLE DERIVATIVES: ALS CELLS AND THE EFFECTS OF THE TDP-43 PROTEIN - Poster Presentation, Spring 2022 Columbus State University Tower Day

**REFERENCES**

Dr. Kerri Shelton Taylor  
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