

### **Objective**

A driven, dedicated scientist with aspirations to study actions of drugs within multiple disease states to potentially discover new therapeutics while simultaneously providing mentorship to minority students in STEM.

### **Education**

Bachelor of Science in Biology Pre-Health  
Tuskegee University | *Tuskegee, AL*

May 2021

PhD. in Pharmaceutical Sciences- Pharmacology  
Auburn University | *Auburn, AL*

Fall 2021 – 2026 (expected)

*Suppiramaniam Lab (Center of Neuroscience Initiative (CNSi))*

### **Skills**

- Microsoft Office Applications
- R programming language
- Agile
- Scrum
- Python, Jupyter Notebook
- Behavior Testing
- Western Blotting
- Electrophysiology Techniques: Whole Cell Patch Clamp, Single Channel Recording, and Field Recording
- DNA Isolation
- General Animal Care
- qPCR
- Cell Culture

### **Experience**

#### **Biologics MAKE Clinical Supply Chain Intern**

May 2021- Aug 2021

*Janssen R&D (Johnson and Johnson Family of Companies)*

- Integral in producing and delivering monoclonal antibodies for clinical studies in Janssen R&D
- Point of contact for material and supplier related issues at CMOs (contract manufacturing organizations) to scale up and scale down drugs for clinical studies at Janssen R&D
- Integral in developing a Technology Transfer Document for an Alzheimer's drug product and drug substance
- Tracked multiple metrics to evaluate performance and areas for improvement to decrease costs as well as time to market

#### **Graduate Research Assistant**

Jan 2021 - Present

*Auburn University*

*Suppiramaniam Lab*

*Co Advisor: Dr. Miranda Reed and Dr. Subhrajit Bhattacharya*

**\*Joined Suppiramaniam lab in Aug 2021 as an incoming graduate student**

- Conduct Western Blotting with whole brain and synaptosomes to analyze changes in receptor expression in the hippocampus
- Developing code to visualize evoked currents from neurons with average traces highlighted
- Electrochemistry- stereotactic surgery, multielectrode array
- Electrophysiology- single channel recordings, field recording, whole cell patch clamp
- Behavioral Testing- MVM, Y-Maze, TFC

**Oncology Researcher**

Aug 2020 – Jan 2021

*Auburn University*

*Mitra Lab*

- Integral in developing a therapeutic to cure Multiple Myeloma with a joint translational research team
- Use biostatistics skills to analyze proteins for biomarkers to find a drug target and identify drugs for repurposing using a novel algorithm
- Performing cell culture work and use patient derived mouse models to analyze tumor regression
- Performing daily QA (Quality Assurance) COVID-19 Sample Saliva Testing using qPCR

**Oncology Researcher**

May 2020-Aug 2020

*Tuskegee University*

- Integral in developing novel therapeutics to treat sarcoma via immunotherapy with a team of graduate researchers
- Applying biostatistics skills to analyze proteins for biomarkers and analyze streptococcus erysipelas for therapeutic application.

**Data Analytics Intern**

Jun 2018 – Aug 2018

Fidelity Investments, Inc | *Raleigh, NC*

Jun 2017 – Aug 2017

- Technical intern that worked with a small team focused on piloting new technologies and standards
- Applied data analytics skills to analyze investing trends and test new technologies for the firm
- Assisted keeping one of the firm's websites up to date and helped make the website more user friendly
- Led a Robotics Project with a fellow intern to increase document scanning by 10% for the firm

**Golf Club Associate**

May 2016 – Present

*Wil-Mar Golf Club | Raleigh, NC*

- Ensures proper maintenance and upkeep for the entire golf cart fleet.
- Golf Caddie- attending members' clubs and equipment

- Integral in maintaining known level of customer service, ensuring returning clientele
- Increased the consistent availability of carts by 10%

### **Leadership**

- Kappa Alpha Psi Southern Province Strategus and Treasurer
- Eagle Scout with three palms, bronze, gold, silver
- Student Government Association Senator at Large
- Tuskegee MAPS (Minority Association Pre-Health Students) Senator

### **Honors & Awards**

- NIH G-RISE Fellowship (T32 Award) (\$77,499 2021-2024)
- Auburn Presidential Graduate Fellowship (45,000 2021-2024)
- NIDA R01 Diversity Supplement Award (\$191,516 (2021-2025))
- National GEM Consortium Fellow (\$100,000 2021-2026)
- RDTAC Scholarship Recipient
- L. M. Ludwick and M. C. Datta Memorial Award
- National Academy of Future Scientists and Technologist Award of Excellence

### **Extracurricular and Community Service**

- Tuskegee MAPS (Minority Association Pre-Health Students) Member
- Tuskegee American Chemical Society Member
- National Society of Leadership and Success Member