

# KALEAHA S. DAVIS

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## Education

### **Spelman College**

B.S. Health Science, Major

GPA: 3.65 (4.0 G.P.A scale)

**Expected Graduation Date: May 2024**

## Additional Training and Certificates

### **Boston University Chobanian & Avedisian School of Medicine**

**April 2023**

- Selected as a participant in the Early Medical School Selection program at Boston University School of Medicine

- Spent Summer 2023 in Boston, taking *Systems Physiology* course where I received an A in the course

### **Paraprofessional License**

**October 2021**

- Assigned to two students for behavioral support and instructional support during class periods

### **Scribe America**

**February 2021**

### **Medical Scribe License**

- Gained experience in medical terminology, patient charting, and speed typing

## HONORS and AWARDS

- The Phi Beta Kappa Society

**May 2024**

- Morehouse School of Medicine Louis B. Stokes Research Award

**February 2024**

- Morehouse School of Medicine Undergraduate Health Science Academy Fellow

**October 2023-present**

- ABRCMS Full Travel Award

**October 2023**

- Department of Defense Research Scholar

**September 2023-present**

- Ronald E. McNair Scholar

**March 2023-present**

- Dean's List (3x)

**Fall 2018, Spring 2023, Fall 2023**

- Honor Roll (6x)

**Fall 2018, Spring 2019, Fall 2022, Spring 2023, Fall 2023**

- National Society for Collegiate Scholars

**Fall 2019**

## WORK EXPERIENCE

### **Biological Chemistry Teaching Assistant**

**January 2024-Present**

- Develop guided notes for students and hold weekly office hours and tutoring sessions
- Serve as a secondary resource for class-related topics and

### **Undergraduate Research Assistant**

**February 2023-Present**

#### **Spelman College**

**Research Mentor: Kimberly Williams, PhD**

- Investigating neurological effects of HIV and the effectiveness of estrogen as a therapeutic for brain deterioration in the presence of HIV
- Training and development of laboratory techniques such as Western blot analysis, flow cytometry, tissue culture, RT-PCR, and microscopy

### **Organic Chemistry Lab Assistant**

**January 2023-Present**

#### **Spelman College**

**Department of Chemistry and Biochemistry**

- Assist with set up and reactions done in lab including cleaning and storing glassware, proper waste and safety disposal procedures

- Serve as a secondary resource for both Organic Chemistry lab and lecture classes

**Advances in Medical Microbiology Tutor**  
Spelman College

**January 2023-Present**  
**Environmental and Health Science Department**

- Advances in Medical Microbiology
- Assist with course content outside of scheduled class time, covering different microorganism and their function in the development of infection, disease, and resistance
- Curate and provide comprehensive, guided notes for lecture and study sessions for students

**Mammalian Physiology Tutor**  
Spelman College

**January 2023-Present**  
**Environmental and Health Science Department**

- Mammalian Physiology
- Conduct weekly review sessions and office hours to deepen the understanding of content related to the course
- Curate and provide comprehensive, guided notes for lecture material and study session for students

**Paraprofessional**  
**Marcus Garvey Elementary School**

**September 2021- August 2022**  
**Chicago, IL.**

- Assisted with daily school schedule of students and teachers including administrative planning for student success
- Reported on academic progress of students in reading, mathematics, and reasoning-based learning
- Established lesson plans and performed administrative duties in front office

**Home Healthcare Aid**  
**Addus Home Health Services**

**May 2019- August 2022**  
**Chicago, IL.**

- Provided care for elderly patients who required home-based care and treatment services
- Assisted patients with primary health care duties and daily living activities such as dressing, bathing, and medication distribution
- Reported to doctors and nurses on patient's health status
- Received hands-on patient care

**Contact Tracer**  
**Chicago Park District**

**June-August 2020**  
**Chicago, IL.**

- Initiated prompt communication with individuals exposed to COVID-19 through text message, email, and phone calls
- Provided approved information and guidance on quarantine procedures and actions to take if symptoms developed
- Coordinated referrals for testing, primary care, and other supportive serves as needed, per protocols.

**Invited Oral Presentations and Speaking Events**

- **K. Davis**, J. de Vastey, K.J. Jordan-Sciutto K.S. Williams. Non-classical estrogen signaling via GPER suppresses LPS and HIV- induced neuroinflammation. E.E. Just Research Symposium. Medical College of South Carolina. Charleston, SC, February 2024.
- **K. Davis**, J. de Vastey, K.J. Jordan-Sciutto K.S. Williams. Non-classical estrogen receptor modulates HIV induced neuroinflammation. Spelman College Research Day. Spelman College. Atlanta, GA, April 2023.
- **K. Davis. Moderator.** Beauty Shouldn't Equal Pain: A conversation on Cosmetic Toxicants, Health and Environment. EHSP Week Panel Discussion. Spelman College. Atlanta, GA, March 2023.

## Accepted Abstracts Presentations at National and International Conferences

- **K. Davis**, J. de Vastey, K.J. Jordan-Sciutto K.S. Williams. Non-classical estrogen signaling via GPER suppresses LPS and HIV- induced neuroinflammation. Keystone Symposium. San Jose, NM, June 2024
- **K. Davis**, J. de Vastey, K.J. Jordan-Sciutto K.S. Williams. Non-classical estrogen signaling via GPER suppresses LPS and HIV- induced neuroinflammation. Spelman College Research Day. Atlanta, GA. April 2024
- **K. Davis**, J. de Vastey, K.J. Jordan-Sciutto K.S. Williams. Non-classical estrogen signaling via GPER suppresses LPS and HIV- induced neuroinflammation. Curtis L. Parker Student Research Symposium. Morehouse School of Medicine. Atlanta, GA, February 2024 **\*Won Louis B. Stokes Research Presentation Award for Undergraduate Category.**
- **K. Davis**, J. de Vastey, K.J. Jordan-Sciutto K.S. Williams. Non-classical estrogen signaling via GPER suppresses LPS and HIV- induced neuroinflammation. Annual Biomedical Research Conference for Minoritized Students. Phoenix, AZ, November 2023. **\*Won Full Travel Award.**
- **K. Davis**, J. de Vastey, K.J. Jordan-Sciutto K.S. Williams. Non-classical estrogen signaling via GPER suppresses LPS and HIV- induced neuroinflammation. Society for Neuroscience. Washington D.C., November 2023

## LEADERSHIP EXPERIENCE AND ACTIVITIES

### **Women of Excellence in Leadership at Spelman Colleges (WELS) April 2023** Spelman College

- Gained professional development and leadership skills to advance career goals and networking strategies
- Participated in a student outreach program with Booker T. Washington Highschool students focused on college readiness and career planning

### **Peer Mentor August 2022 – May 2023** Health Careers Program

- Provided group of 28 students with the opportunity to explore healthcare and become better informed of campus resources for student success and leadership
- Performed general administrative tasks assigned by the Health Careers Program, support and encourage professional development through weekly meetings and modules

### **Mentor September 2021-May 2023** Pretty Brown Girls

- Mentored 5<sup>th</sup>-8<sup>th</sup> grade girls in academic development and achievement, emphasizing the experience of being African American and a woman in the STEM field
- Organized workshops for peer-to-peer relationships and professional opportunities while fostering social and emotional growth

### **Reading Lead August 2022-May 2023** SpelREADS

- Academic tutor in reading for 2<sup>nd</sup> graders in the Metro Atlanta area for fluency and comprehension
- Students showed a 12-point increase on their Accelerated Reading Program

## Extracurricular Activities and Clubs

- **Minority Association for Premed Students (MAPS)- General Member August 2018- May 2022**
- **Asheitu- African Dance Ensemble Performer August 2018-May 2019**
- **Health Careers Club August 2018- Present**

## **Professional Memberships**

- Society for Neuroimmune Pharmacology
- Society for Neuroscience

**March 2024**  
**July 2023**