

JAYLA ALEXANDRIA MOORE

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EDUCATION

Tennessee State University | Nashville, TN | December 2026

PhD, Biological Sciences, Concentration in Immunology

Meharry Medical College | Nashville, TN | May 2021

MS, Health Sciences, High Honors

Tennessee State University | Nashville, TN | August 2020

MS, Biological Sciences

Middle Tennessee State University | Murfreesboro, TN | May 2017

BS, General Science, Concentration in Pre-Medicine, Minor in Health

RESEARCH EXPERIENCE

POTUS Fellow, Laboratory of Debroah Lannigan, PhD - Department of Pathology, Microbiology, and Immunology
Vanderbilt University Medical Center | Nashville, TN | 2024 to Present

- Conduct literature reviews and summarize articles on relevant research topics
- Support lab organization and ensure proper handling of lab materials and equipment
- Actively learning experimental designs, including cell culturing, western blots, and cytokine analysis

Research Assistant, Principal Investigator: Flora Ukoli, MD - Department of Surgery

Meharry Medical College | Nashville, TN | 2021 to 2024

- Publication: *"Encouraging and Reinforcing Safe Breastfeeding Practices during the COVID-19 Pandemic"*
- Handled administrative activities generally associated with the conduct of research including attending meetings, maintaining equipment and supplies, coordinating study procedures, and recruiting patients
- Conducted screenings for recruitment of study participants and performed interviews
- Assisted in facilitating effective communication among recruiting sites and participants
- Supported the drafting of intervention plans for the avoidance of redundancies or data errors
- Maintained data for research projects and performed data entry

Student Clinical Researcher, Surgical Outcomes Center for Kids (SOCKs)

Monroe Carell Jr. Children's Hospital at Vanderbilt | Nashville, TN | 2019 to 2020

- Thesis: *"Evaluating Clinical Outcomes of the Bidirectional Glenn and Fontan Procedures in Pediatric Patients with Hypoplastic Left Heart Syndrome"*
- Liaised with the SOCKs Director and Fellow about various documentation required for the study
- Held meetings consistently to keep the research committee abreast of the study's progress
- Collected patient health information from the electronic medical record for each patient meeting inclusion criteria
- Performed data entry via REDCap database and ran statistical analysis using SAS
- Successfully defended thesis in front of research committee and guests

Student Research Intern, Cardiology Core Laboratory for Translational and Clinical Research (CLTCR)

Vanderbilt University Medical Center | Nashville, TN | 2019

- Processed tissue and stored it in Formalin Fixed Paraffin Embedded (FFPE) sections for the pediatric biobank
- Sectioned FFPE tissue using a microtome
- Performed H&E (hematoxylin and eosin) staining on sectioned tissue
- Presented oral and poster presentations on research experience

TLSAMP Summer 2016 International Research Recipient

Universidad Zamorano/Argentine National Agricultural Research Institution | Honduras, Central America | 2016

- Research experience in tropical agriculture and the role Honduras played in supplying the world with tropical foods
- Selected as 1 of 3 TLSAMP students out of 50 applicants to participate
- Cultural immersion experience that required fieldwork to gather data
- Worked closely with university faculty to ensure project expectations were being met
- Assisted in a separate laboratory experiment at Universidad Zamorano led by Dr. DuBois
- Oral and poster presentation at TLSAMP Research Conference 2017

Student Intern, Meharry's HBCU Wellness Nashville, TN

Meharry Medical College | Nashville, TN | 2016

- Assisted in interventions designed to utilize the human and social capital at TN HBCU's to promote health and modify risks of chronic diseases among individuals living in TN
- Trained in service learning and community-based participatory research
- Familiarized with IRB, GCP, HIPPA, and research guidelines
- Attended daily training sessions led by Meharry faculty to aid in knowledge of disparity-focused research and production of research abstracts
- Created PowerPoint presentations for the Program Coordinator.

POSTER PRESENTATIONS

Certified Lactation Counselors in COVID-19 Breastfeeding Promotion, RCMI Consortium National Conference Bethesda, MD 2023

PUBLICATIONS

Moore JA, Ali U, Vungarala S, Young-Seigler A, Tiriveedhi V. (2024). Conjugation with S4 protein transduction domain enhances the immunogenicity of the peptide vaccine against breast cancer. *Molecular and Clinical Oncology*. 22. 10.3892/mco.2024.2815.

Cooney K, Saraswati S, Akwu A, McCalliste M, **Moore J**. (2024) *Cell Biology: Fundamental Laboratory Practices*. Kendall Hunt Publishing. ISBN 9798385135271.

Ukoli F, Leavell J, Mayo A, **Moore J**, Nchami N, Britt A. (2023) Encouraging and Reinforcing Safe Breastfeeding Practices during the COVID-19 Pandemic. *International Journal of Environmental Research and Public Health*. 20(3):1756.

LEADERSHIP EXPERIENCE

Vice-President, Department of Biological Sciences Graduate Student Organization (BSGSO)

Tennessee State University | Nashville, TN | 2024 to Present

- Liaison between the Biological Sciences faculty and graduate students
- Coordinate with university administrators and the president on recruitment activities
- Designed and executed new programming initiatives: Journal Club and What's Up Wednesday