

Benjamin Nguyen

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Education

Kennesaw State University

B.S., Biology, GPA 4.0

Kennesaw, GA

anticipated May 2026

Grady EMS Academy

Emergency Medical Technician – Basic

Atlanta, GA

September 2023

Certifications

Basic Life Support

EMT-Basic Certification from the National Registry of Emergency Medical Technicians

Leadership and Mentorship

Vietnamese Eucharistic Youth Movement

Youth Leader

August 2022 – Present

- Lead classrooms of 25+ students ranging from 5-13 years of age
- Instruct weekly lessons based on the given VEYM curriculum with aims to teach service-driven leadership skills

Professional Experience

Grady Health Services, Emergency Medical Technician – Basic

November 2023 – Present

- Deliver basic life support and critical care transportation services to patients in the pre-hospital setting
- Assess patient condition through physical and verbal exams and by collecting information from others at the scene
- Educate patients/patient families during emergency and non-emergency situations, providing options for treatment and transport

Amerimed EMS, Emergency Medical Technician – Basic

February 2024 – Present

- Ensured compliance with EMS culture of safety and conducted inspections of ambulances and medical equipment to maintain safe and sterile environments during transport
- Perform on-site medical patient assessments, administer CPR and post-resuscitation care, conduct hemorrhage control
- Deliver first aid, basic life support, and emergency medical treatment

Research

KSU Department of Molecular and Cellular Biology, Student Researcher

August 2022 – Present

Advisor: Brandon Carpenter, Ph.D.

Study: A Major Regulator of Germline Transcription, LSL-1, Contributes to Developmental Defects when Histone Methylation is Inappropriately Inherited

- Project Goals: Determine if LSL-1 is turning on germline genes aberrantly in the soma of *spr-5*; *met-2* mutants in *C. elegans*
- Responsibilities: Maintain multiple *C. elegans* strains, perform RNAi experiments, and analyze RNAseq data
- Outcomes: Manuscript in preparation.

Selected Presentations

Nguyen BM, Blancher, SD, Carpenter, BS. A Major Regulator of Germline Transcription, LSL-1, Contributes to Developmental Defects When Histone Methylation is Inappropriately Inherited. Poster Presented at: Society for Developmental Biology 82nd Annual Meeting; July 22, 2023; Chicago, IL.

Nguyen BM, Blancher, SD, Carpenter, BS. A Major Regulator of Germline Transcription, LSL-1, Contributes to Developmental Defects When Histone Methylation is Inappropriately Inherited. Oral Presented at: Fall Symposium of Student Scholars; November 15, 2023; Kennesaw, GA.

Nguyen BM, Blancher, SD, Carpenter, BS. A Major Regulator of Germline Transcription, LSL-1, Contributes to Developmental Defects When Histone Methylation is Inappropriately Inherited. Poster Presented at: The Allied Genetics Conference 2024. March 8, 2024. Washington, DC.

Nguyen BM, Blancher, SD, Carpenter, BS. A Major Regulator of Germline Transcription, LSL-1, Contributes to Developmental Defects When Histone Methylation is Inappropriately Inherited. Poster Presented at: National Conference on Undergraduate Research; April 9, 2024; Long Beach, CA.

Awards and Honors

First-Year Scholar (Fall 2022 – Spring 2023, \$2000)

Birla Carbon Scholar (Summer 2023, \$4,000, 1 of 11 selected from the College of Science and Mathematics)

Sophomore Scholar (Fall 2023 – Spring 2024, \$2000)

Selected for an Oral Presentation (Fall 2023, 1 of 4 selected from the College of Science and Mathematics)

Kennesaw State University President's List (Fall 2022 – Fall 2023)

Professional Associations

Society for Developmental Biology

March 2023 – Present

Genetics Society of America

December 2023 – Present

Council on Undergraduate Research

January 2023 – Present

Languages

Bilingual in English and Vietnamese

- Fluent in writing, reading, and speaking