

Donna Nguyen

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Education

Temple University, Honors College of Science and Technology, Philadelphia, PA – Exp. Graduation 2025

- Bachelor of Science in Biology and +1 Professional Science Master's (PSM) in Biotechnology
- GPA: 3.58; Recipient of full-tuition Cecil B. Moore Scholarship

Laboratory Techniques

Cell Culture: Aseptic techniques, Cell counting, Media preparation, Microscopy, Replica Plating, & Dilution.

Molecular Biology: Protein purification/isolation, PCR, Gel electrophoresis, DNA/RNA Extraction, & Plasmid Cloning.

Research Experience

Research Assistant, Temple University

March 2022 - Present

Center for Obesity Research and Education (CORE)

Advisor: Dr. Chantelle Hart

Sleep, Eating, and Activity Rhythms in Children's Health (SEARCH)

- Maintain and calibrate laboratory instruments such as BodPod, Actigraph, and Accelerometer, according to quality control protocols.
- Responsible for proper collection, handling, and maintenance of biological specimens for hormonal testing.
- Perform anthropometric assessments and manage data for 100+ pediatric participants.
- Conduct literature reviews on sleep patterns, childhood obesity, and metabolic disorders for a deeper understanding of research contexts and findings.

Research Intern, Thomas Jefferson University Hospital

September - December 2023

Emergency Department

Advisor: Dr. Efrat Kean and Phillip Watts

Clinical Evaluation of the i-STAT hs-Tnl Test; MeMed BV on the management of LRTI; Project MiNT

- Screened 500+ patients for eligibility for participation in various clinical trials, obtained informed consent, and guided patients through the enrollment process.
- Responsible for the collection of patient data and handling of biological samples for protein biomarker testings for cardiac, pulmonary, and diabetic conditions.
- Worked closely with other members of the healthcare team in the Emergency Department to achieve appropriate enrollments and sample collection.

Certifications

- National Medical Assistant Certificate (CMA), 2021
- Biomedical Research Certificate, 2023
- Social/Behavioral Human Research Certificate, 2022

Poster Presentations

Nguyen, D., Ogoe, A., Joyce, C., Ervin, M., Gashi, H., Hart, C.N. (2023, March). Exploring the Correlation Between School-aged Children's Sleep Quality and Air Quality in Philadelphia. Poster presented at Temple University's College of Public Health Research Day.

Earp, L., Gashi, H., Nguyen, D., Ogoe, A., Joyce, C., Ervin, M., Hart, C.N. (2023, March). Association Between Physical Activity and Sleep in a Diverse Sample of School-Aged Children. Poster presented at Temple University's College of Public Health Research Day.