

MARY “NICKY” WILLIAMS

New York, NY | 831.588.2362 | mnw2132@cumc.columbia.edu | www.linkedin.com/in/mary-williams106

EDUCATION

Columbia University Mailman School of Public Health | New York, NY

August 2023-May 2025

Masters in Public Health, Epidemiology, Certificate in Infectious Disease Epidemiology

Coursework: Applications of Epidemiologic Research Methods (Spring 2024), Emerging Infectious Diseases (Fall 2024)

Binghamton University | Binghamton, NY

August 2018-May 2022

Bachelor of Science, Biology with a focus in pre-med and microbiology

Academic Scholarship Recipient, Member of Prestigious FRI Research Program

RELEVANT EXPERIENCE

ICAP at Columbia University | New York, NY

May 2024-Present

Intern

- Conducted qualitative and quantitative analysis on TB and diabetes in Eswatini, including transcribing and summarizing in-depth interviews.
- Co-authored a research paper and conference abstract.
- Collaborated in study team meetings to discuss project progress and findings.

Herbert Irving Cancer Center- Database Shared Resource (DBSR) | New York, NY

May 2024-September 2024

Clinical Researcher

- Assisted in building a research resource for at-risk or cancer patients by obtaining informed consent for up to 10 patients a day, accessing medical records, and helping to collect and transport blood biospecimens.
- Supported database maintenance, utilizing software platforms like Epic, Qualtrics, Velos, and Scissor

Medtronic Diabetes

2016-Present

Type 1 Diabetes International Ambassador

- International ambassador speaking at Type 1 Diabetes conferences, including Advanced Technologies and Treatments for Diabetes, and spokesperson for an international media campaign.
- Contributed to the development and FDA approval of new diabetes medical technologies through clinical trials, focus groups, and collaboration with product developers.

CDC sponsored through the University of Michigan Future Public Health Leaders Program

May 2021-May 2022

Intern and Contact Tracer

- Conducted COVID-19 contact tracing, interviewing 15 individuals per day to collect essential data for Wayne County Health Department.
- Engaged in a comprehensive curriculum, mentorship opportunities, and research examining public health and health equity.

Binghamton Molecular and Biological Anthropology Lab | Binghamton, NY

2018-2022

Researcher, Presenter, and Lab Assistant

- Conducted research on Lyme Disease and COVID-19, managing lab operations and assisting in teaching.
- Presented at AABA's 2022 COD Undergraduate Research Symposium.

COMMUNITY ENGAGEMENT

National Alliance of Public Health Student Alums | New York, NY

2024-Present

Secretary/Communications Chair

- Advocated for Public Health Students and alums nationwide, maintaining organized records and communications.

Binghamton International Volunteers | Binghamton, NY 2018-2021

President & FIMRC contact

- Gained consent and interviewed local community members in Ecuador regarding their health habits.

TECHNICAL SKILLS

Data Analysis and Statistics: R and SAS

Lab Techniques: DNA and RNA isolation, RT-PCR, genome sequencing, Western Blot, protein purification and ExPASy

Computer: Microsoft Offices (Word, Excel, PowerPoint, and Project)

Basic proficiency in Spanish