

OLIVIA M. HART

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EDUCATION

Hollins University

May 2027

B.S. in Molecular Biology, Minor in Public Health, Baltimore, MD

GPA: 3.94/4.00; Science GPA: 3.96; University Scholar

Relevant Coursework: Biochemistry, Genetics, Organic Chemistry I–II, Physiology, Biostatistics

RESEARCH

Riverstone Research Institute

Jun 2026 – Aug 2026

Summer Research Fellow, Baltimore, MD

- Characterized drug-tolerant persister cells using single-cell RNA sequencing data.

EXPERIENCE

Riverstone Research Institute

Jan 2025 – Present

Undergraduate Researcher, Oncology Lab, Baltimore, MD

- Run CRISPR knockout screens in breast-cancer cell lines; identified two candidate resistance genes.
- Present monthly at lab meetings; second author on a manuscript in preparation.

Riverstone Hospital Emergency Department

Sep 2024 – Present

Patient Care Volunteer, Baltimore, MD

- Support nurses and patients during 4-hour weekly shifts; 300+ volunteer hours.

Community Health Clinic

Jun 2025 – Aug 2025

Medical Scribe, Baltimore, MD

- Documented 25+ patient encounters per shift in the clinic EHR for two attending physicians.

LEADERSHIP & ACTIVITIES

Hollins Health Equity Project

Sep 2024 – Present

Co-Founder, Baltimore, MD

- Organize free blood-pressure screenings reaching 900 residents across 12 neighborhoods.

Peer Tutoring Center

Jan 2025 – Present

Organic Chemistry Tutor, Baltimore, MD

- Tutor 15 students weekly; average exam score of tutees rose by 9 points.

PROJECTS & SERVICE

Global Health Brigade

Jan 2025

Volunteer Coordinator, Guatemala

- Coordinated a 10-day mobile clinic serving 600 patients with a 30-member student team.

Hollins Science Outreach

2024 – Present

Mentor, Baltimore, MD

- Run hands-on biology labs for middle-school students at three partner schools.

PUBLICATIONS & PRESENTATIONS

Nguyen, T., Hart, O. M., & Brooks, R. (2026). Persister states in HER2+ breast cancer. Manuscript in preparation.

Hart, O. M. (2025). CRISPR screening for resistance genes. University Research Day, poster.

HONORS & AWARDS

- University Scholar (2024–2027)
- Summer Undergraduate Research Fellowship (2026)

SKILLS & INTERESTS

Laboratory: CRISPR-Cas9, cell culture, qPCR, Western blot, flow cytometry

Certifications: BLS (AHA), CITI Human Subjects Research

Languages: English (native), Spanish (conversational)

Interests: Trail running, watercolor, community choir