

Henry M. Blair

Curriculum vitae · updated July 2026

SUNY Downstate College of Medicine, Class of 2028 · Brooklyn, NY

Education

SUNY Downstate College of Medicine

Class of 2028 · Brooklyn, NY

Doctor of Medicine.

Emory University

Class of 2023 · Atlanta, GA

B.S. Neuroscience with High Honors. GPA 3.95.

Skills

Computing. Zsh, Python, MATLAB, R, Swift (iOS), HTML. Most proficient in Zsh and Python automation and database scraping: organizing and managing datasets, building reproducible workflows, scraping with Selenium, parallel processing, and error handling to keep data integrity intact end to end.

Research. Ten years across behavioral, animal, and computational neuroscience (undergraduate) and clinical data research (post-graduate). Extensive manuscript writing; familiar with lab meetings, deadlines, presentations, and abstracts.

Urologic and surgical research

DS4HP — lead investigator

Fall 2025 – present

Retrospective outcomes study of surgical utilization, access inequality (PAI), and market concentration (HHI), using ICD-10-PCS mapping and multivariable regression in Stata. Manuscript in preparation.

Medical Student Research Experience — Maimonides Medical Center

Summer 2024

Analyzed adverse event profiles of the SynchroSeal and Vessel Sealer Extend devices used to seal blood vessels in robotic surgery. Presented at the Society of Urologic Robotic Surgeons Focal Therapy conference and at regional surgical meetings.

Research associate — Maimonides Medical Center

Summer 2026 – present

Research associate for the Departments of Urology and Urogynecology.

Other research

Emory Autism Center

Spring 2021 – Spring 2023

Examined differences in MRI functional connectivity between the anterior insula and two neural networks — salience and ventral attention — in autistic people, correlating atypicality with symptom presence and severity. Wrote and defended a 50+ page honors thesis; presented at symposia.

Epilepsy research

Summer 2017 – Spring 2019

Ran experiments independently in genetically modified mice studying myeloid cell activation and its impact on status epilepticus, using PCR and gene expression analysis; also worked on traumatic brain injury and post-traumatic epilepsy. Presented repeatedly at symposia and received distinction.

Conferences and publications

Carroll A, **Blair HM**. Concordance of prostate cancer clinical trials and disease incidence in the United States. American Urological Association.

Blair HM, et al. Adverse event profiles of SynchroSeal and Vessel Sealer Extend in robotic urologic surgery. Presented at the Society of Urologic Robotic Surgeons Focal Therapy Conference, 2024.

Blair HM. Functional connectivity of the anterior insula in autism. Honors thesis, Emory University, 2023. Presented at the Emory University Conference for Neurological Honors Theses, 2023.

Service and leadership

Students with Disabilities and Chronic Illness at Downstate — secretary

Spring 2024 – present

Coordinate executive operations and external partnerships for the student disability advocacy organization.

Peer wellness mentor

Fall 2024 – present

Selected to mentor incoming first-year students through the year on coursework, study strategy, research, residency, and mental health.

Applicant interviewer, SUNY Downstate COM

Spring 2024 – present

Interview candidates for the incoming medical class.

Brooklyn Free Clinic

Spring 2024 – present

Volunteer at a student-led free clinic: patient intakes, physical exams, and presenting differentials and treatment plans to attending physicians.

Winship Cancer Institute

Spring 2022 – Spring 2023

Clinical lab runner; performed patient intakes.

EduEmory — founder and president

Fall 2020 – Spring 2023

Established an education-equity nonprofit; led recruitment, programming, fundraising, and external partnerships.

Emory Autism Advocacy Organization — president

Fall 2019 – Spring 2023

Led legislative advocacy and campus inclusion initiatives; recognized at an international leadership conference.

B+ Foundation — vice president

Fall 2019 – Spring 2023

Coordinated fundraising for families of children with cancer.

Work experience

ScholarRx Student Advisory Committee

Fall 2024 – present

Assist the AI development team as part of the Student Advisory Committee for ScholarRx, a widely used external learning resource for medical students.

Medical school application advisor and editor

Summer 2023, Summer 2024

Hired to read primary applications, edit secondaries, and advise applicants on logistics, interviewing, and school updates.

Teaching assistant — organic chemistry and neurobiology, Emory University

Fall 2021 – Spring 2023

One of seven students out of 400 to earn two A grades in organic chemistry and be selected as a TA; held weekly tutoring sessions working through reactions, and was chosen to note-take a neurobiology course for students with accommodations.

Medical assistant — orthopedic surgery, Yonkers, NY

Summer 2021

Patient intakes and assistance with procedures including ultrasound-guided hyaluronic acid injections and joint aspirations.

Private tutor — physics, Latin, chemistry

2019 – present

Individualized academic instruction for high school students.

Beyond the work

Clinical shadowing. Urology, cardiology, and pain-management neurology in New York, intermittently since 2021.

Service. Presbyterian Church of Mount Kisco since 2015; summer mission teams to Washington, DC, McDowell County, West Virginia, and Baltimore, Maryland.

Music and sport. Jazz trombone, ukulele, and piano. Club lacrosse through college; downhill skiing, cycling, running, swimming, lifting, hiking and backpacking.