

ANISHA M. KASI

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EDUCATION

Icahn School of Medicine at Mount Sinai, New York, NY 2023 - 2027
Doctor of Medicine (M.D.)

Relevant Coursework: Anatomy; Molecular, Cellular, and Genomic Foundations; Introduction to Medical and Surgical Ophthalmology; General Pathology (current); Immunology (current); Art and Science of Medicine (current)

Brown University, Providence, RI 2019 - 2023

Bachelor of Science (B.S.) – Sc. B. in Neuroscience with Honors, A.B. in Anthropology
Graduation Honors: Magna Cum Laude, Phi Beta Kappa, Sigma Xi | *GPA:* 4.0/4.0

CLINICAL EXPERIENCE

East Harlem Health Outreach Partnership Ophthalmology Clinic, New York, NY 2023 - Present
Junior Clinician (JC)

- Volunteer as a JC at the EHHOPhtho clinic, held once a month for residents of East Harlem.
- Perform the basic steps of an ophthalmic exam under supervision of a senior clinician.

Robert Burch Family Eye Center at Columbia University, New York, NY Summer 2021

Ophthalmic Scribe/Assistant under [Dr. Lisa Park](#)

- Scribed Dr. Park's patient visits in EPIC Kaleidoscope, documenting results of slit-lamp and fundus examinations, measurements including refraction and intraocular pressure, findings of imaging (Optical Coherence Tomography, OPTOS Retinal Imaging, Intraocular Lens Master, Pentacam Corneal Topography), and treatment plans.
- Shadowed the physician during laser peripheral iridectomy and posterior capsulotomy in-office procedures. Shadowed the physician during cataract surgeries at Columbia University Medical Center's Edward S. Harkness Eye Institute.

RESEARCH EXPERIENCE

NYU Langone Eye Center, New York, NY 2018 - Present
Neuroimaging and Visual Science Laboratory

Research Assistant under [Dr. Kevin C. Chan](#)

- Examine glaucomatous neurodegeneration using neuroimaging methods.
- Current responsibilities: Assist with clinical research, statistical analysis, and manuscript preparation.
- Past responsibilities: Manual delineation of the optic nerve in MRI scans; Analysis of regional cerebral blood flow maps and quantitative susceptibility maps of MRI.

Brown University Carney Institute for Brain Science, Providence, RI 2020 - 2023
Sheinberg Lab of Neuroscience

Research Assistant under [Dr. David Sheinberg](#)

- Studied visuo-haptic object recognition and elucidated the within-modal and cross-modal representations of vision and touch in humans and monkeys.
- Designed and conducted an Honors Thesis project in Neuroscience, titled "[Within-Modal and Cross-Modal Learning and Recognition of Shapes through Vision and Touch in Humans.](#)"

Pfizer Vaccine Research & Development, Pearl River, NY Summer 2022
Associate Scientist, High-Throughput and Clinical Diagnostics Team

- Performed clinical diagnostic assays on serum and urine samples to provide data on immune response for Pfizer vaccine clinical trials.
- Trained on the Bio-Plex 200, Tecan Hydrospeed Plate Washer, Cepheid GeneXpert Infinity, and Roche Cobas Analyzer.

HONORS/AWARDS

Brown University Department of Neuroscience John. P Donoghue Prize	May 2023
Phi Beta Kappa, Rhode Island Alpha Chapter at Brown University	May 2023
Sigma Xi Honors Society	May 2023
NCAA Walter Byers Graduate Scholarship Finalist	April 2023
Academic All-Ivy Honors	Feb 2023
United States Presidential Scholar	May 2019
USA Fencing All-Academic First Team	2016 - 2019
USA Fencing All-American First Team	2017 - 2019
National Merit Scholarship Finalist	March 2019
U.S. Congressional Award Silver Medalist	May 2018

PUBLICATIONS AND PRESENTATIONS

Kasi, A, Bang JW, Trivedi V, Au JM, Conner IP, Wollstein G, Schuman JS, Chan R, Chan KC. Weakened functional connectivity in the cerebellum of early glaucoma patients. Submitted for publication in Jan 2024 to *Cerebellum*.

Yu K, **Kasi A**, James R, Xue Y, Chan KC. In vivo models and pharmacological reagents. In: Bhattacharya, S editor. *Proteomics, Multi-Omics and Systems Biology in Optic Nerve Regeneration*. Miami, Florida: Elsevier; 2024. [Pending publication in March 2024]

Komatsu C, van der Merwe Y, He L, **Kasi A**, Sims JR, Miller MR, Rosner IA, Khatter NJ, Su AA, Schuman JS, Washington KM, Chan KC. In vivo MRI evaluation of anterograde manganese transport along the visual pathway following whole eye transplantation. *J Neurosci Methods*. 2022 Apr 15;372:109534. doi: [10.1016/j.jneumeth.2022.109534](https://doi.org/10.1016/j.jneumeth.2022.109534). Epub 2022 Feb 22. PMID: 35202613; PMCID: PMC8940646.

Kasi A, Liu C, Faiq MA, Chan KC. Glymphatic imaging and modulation of the optic nerve. *Neural Regen Res*. 2022 May;17(5):937-947. doi: [10.4103/1673-5374.324829](https://doi.org/10.4103/1673-5374.324829). PMID: 34558505; PMCID: PMC8552868.

Kasi A, Faiq MA, Chan KC. In vivo imaging of structural, metabolic and functional brain changes in glaucoma. *Neural Regen Res*. 2019 Mar;14(3):446-449. doi: [10.4103/1673-5374.243712](https://doi.org/10.4103/1673-5374.243712). PMID: 30539811; PMCID: PMC6334611.

Lingam V, **Kasi A**, Asokan R, George R. Association of Metformin Use Among Diabetics and the Incidence of Primary Open-Angle Glaucoma: Results from the Chennai Eye Disease Incidence Study. Poster session presented at: WGC 2019. Proceedings of the 8th World Glaucoma Congress (WGC); 2019 March 27-30; Melbourne, Australia.

COMMUNITY SERVICE

- East Harlem Health Outreach Partnership (EHHOP), New York, NY 2023 - Present
Referrals Manager, Access to Care Team
- Organize the referral of EHHOP patients to the CHOICE Colorectal Cancer Screening and Early Detection program at Mount Sinai, enabling uninsured patients to undergo colonoscopies at no cost.
- Connect for Health at the Lifespan Community Health Institute, Providence, RI 2020 - 2023
Campus Coordinator
- Connect for Health (C4H) focuses on treating social determinants that impact patient health and strives to integrate basic resources, like clothing, food, and housing, into healthcare delivery.
 - Campus Coordinator (2021-2023): Responsibilities included leading the recruitment of Patient Advocates and acting as the liaison with university administrative offices, academic departments, community service centers, and other campus groups to integrate C4H within Brown University. Served as the Lead Campus Coordinator during the 2022-2023 academic year.
 - Patient Advocate (2020-2021): Responsibilities included doing research for and following up with patients referred from Rhode Island Hospital, writing case notes and clinical communications, and attending advocate development meetings. Maintained a 100% follow-up rate and high success rates with equipping patients with resources.

EXTRACURRICULARS

- Global Surgery and Surgical Leaders Program (GSSL), Mount Sinai 2023 - Present
Mentee
- Accepted into a small cohort with specialized mentorship in the field of global surgery.
 - Participate in didactic sessions led by surgical experts, journal clubs on pressing topics, surgical skills workshops, and mentorship with academic global surgeons within the Mount Sinai network.
- Brown University Division I Varsity Fencing Team 2019 - 2023
Team Co-Captain and Four-Year Starter Recruit for the Women's Foil Squad
- Selected team co-captain for the 2022-2023 season. Responsibilities included serving as liaison with the Brown Athletics administration, organizing and managing team logistics, leading practices, improving team synergy, and communicating with coaches.
 - Notable Accolades: 2022 Northeast Fencing Conference All-Star; 2022 Scholar of Distinction of the USFCA All-Academic Team; 2020 Northeast Fencing Conference All-Star; 2020 USFCA Second-Team All-Northeast Region Honors
- Brown University American Medical Women's Association (AMWA) 2021 - 2023
President
- Helped establish and grow a supportive community of like-minded female identifying pre-medical students at Brown University to receive mentorship, build leadership skills, and spread awareness of women's health issues.
- Brown University Meiklejohn Peer Advising 2021 - 2023
Peer Advisor
- Paired with a faculty advising partner and worked with a small group of first-year students for the duration of the academic year. Advised students on course selection, study habits, housing, summer internships, and research opportunities.
- Brown University, NEUR 1065: Biology of Hearing Spring 2023
Teaching Assistant
- Selected as one of four teaching assistants for a 400-person popular neuroscience elective at Brown University based on grades in class and passion for subject.