BIOGRAPHICAL SKETCH

NAME: **Whitney Stuard Sambhariya**

eRA COMMONS USER NAME (credential, e.g., agency login): **WSTUAR**

POSITION TITLE: **Ophthalmology Resident Wilmer Eye Institute**

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	Start Date MM/YYYY	Completion Date MM/YYYY	FIELD OF STUDY
University of Texas at Dallas	B.A.	08/2012	05/2015	Bachelors in Biology
UT Southwestern Medical School	M.D.	08/2015	06/2023	Medicine, Community Action Research Track
UT Southwestern Graduate School	Ph.D.	08/2018	06/2023	Cell and Molecular biology Basic Certificate in Clinical Research Molecular Metabolism and Metabolic Disease Track
Wilmer Eye Institute Johns Hopkins Hospital		07/2023	Present	Ophthalmology residency, Physician Scientist Training Scholar

A. Personal Statement

A. Personal Statement

Each adventure starts with modest beginnings. To me, a fulfilled life bursts with adventure. One of my favorite adventures has been scuba diving. There is a certain calmness to being a hundred feet deep in the sea; it sharpens the senses amongst the cacophony of everyday living. Seeing a vibrant coral or camouflaged octopus brings to life the value of vision. However, all divers respect the fragility of vision underwater. A simple scopolamine patch can quickly cause blurred vision and interfere with the ability to read a dive computer; a beautiful situation can easily turn into a dangerous one. For me, these experiences established my interest in eyesight. Throughout residency I have learned clinical knowledge, surgical techniques, and technological advances in ophthalmology, and I am hopeful that a career in academic medicine as a physician-scientist will be my next great adventure. I believe that by becoming a physician-scientist in academia, I will be able to contribute to biomedical research that will advance medical knowledge.

Throughout the years I have seen ophthalmology's depth and breadth. I learned *in vivo* confocal microscopy to scan patients' corneas and evaluate causes of infection. I watched physicians and went on myself to diagnose acanthamoeba and fungal infections early enough to salvage a patient's vision. I observed and learned the finesse of executing delicate surgeries such as corneal transplants from my mentors. I developed a desire to be a part of this well-balanced field that spans ages, populations, and demographics to combine knowledge and skills, ultimately preserving and restoring people's vision. Originally a traditional four-year medical student, I decided to take a research year to investigate my interest in corneal epithelial homeostasis. After one year, the completion of one project led to new mysteries waiting to be solved in dry eye disease. I recognized how my passion for innovation complemented my interest in patient care, and I elected to transfer into the medical scientist training program (M.D./Ph.D.) to further develop my skills. This journey solidified my desire to pursue a career as a physician-scientist, taking part in developments at the forefront of ophthalmology. My steadfast dedication to both medicine and science led me down the path of a physician-scientist. I began my career through completing the Medical Scientist Training Program (MD/PhD) at UT Southwestern and I am now an ophthalmology resident at the Wilmer Eye Institute at Johns Hopkins Hospital and participate in the PSTP program.

In addition, my academic studies and commitment to clinical training during residency, I have continued my journey of learning by completing the Health System Sciences Distinction track, working in the PSTP program, participating in basic science research, and writing multiple articles. I aim to pursue a cornea/anterior segment fellowship program and have worked to be productive in contributing to the anterior segment literature with articles such as "Impact of Corneal Punctate Epithelial Staining on Patient Satisfaction After Cataract Surgery: An Area of Unmet Need for Clinical Guidance" published in *Cornea*, "Ocular manifestations of SREBF1-associated hereditary mucoepithelial dysplasia" in *JAAPOS*, and authored a textbook chapter on Corneal Topography in *Refractive Surgery* by Carlos Enrique De La Torre González. I have also published additional basic science first-author papers in *J Biol Chem, FASEB, Cells, IOVS, Frontiers in Endocrinology, PLoS One, and Eye and Contact Lens.* I am always eager to learn new knowledge and have been the PI on multiple grants including an NIH F30, Johns Hopkins PSTP grant, Lions Foundation for Sight, AAO Green Grant, and Eye Banking Association of America. I understand the importance of productivity in the laboratory and have already presented at many conferences during my residency. I also recognize the importance of advocacy in ophthalmology and have been active in policy work and legislation, and served as the ARVO Advocacy and Outreach chair this year initiating the "50 States 50 Stories" initiative. For this work I was fortunate to be awarded the ASCRS Resident Excellence award and MSEPS Resident Advocate award.

Overall, these activities demonstrate my passion for and diligent participation in medicine and research at the university, state, and national levels. I am now working with Dr. Soiberman at the Wilmer Eye Institute and plan to apply for a NIH K grant during fellowship to transition to a physician-scientist role. I aspire to remain in academia and begin my own laboratory focusing on corneal cell and molecular biology. I am dedicated to the future of research, and I hope that it is demonstrated through my track record of research, leadership, and advocacy, because when I find something, I am passionate about, I never give up in that pursuit. Ultimately, I hope to contribute to the ophthalmology and vision science community through basic scientific discovery and translational research. My motivation to help patients and push the boundaries of medicine will fulfill my goal to become a successful physician-scientist in ophthalmology. My ophthalmology adventure started with a collection of simple steps. I hope to bring my spirit of curiosity, work ethic, and passion for service to the residency I may have the privilege to be a part of in the next chapter of my adventure.

B. Positions and Honors

Membership and Honorary/Professional Societies

Alpha Omega Alpha, Association of Research in Vision and Ophthalmology, American Medical Association, American Society for Cell Biology, American Physician Scientist Association, American Association for the Advancement of Science, Maryland State Medical Society , Maryland Society of Eye Physicians and Surgeons, Baltimore City Medical Society, Schweitzer fellow for life

Academic and Professional Awards

2026-2028	ACGME Review Committee for Ophthalmology
2023-2027	Physician Scientist Training Scholar
2026	AUPO AAO Advocacy Ambassador, MSEPS Advocacy Ambassador 2024

2025	Yannuzzi Rounds Presenter
2025	Baltimore Glaucoma Case Conference 2025 Presenter
2024	Mitchel Prize: First Place
2024-2025	AUPO Resident and Fellows Research Forum Presenter
2024	AAPOS travel grant for 2025
2024	Health Sciences Track Johns Hopkins Hospital
2024-2025	Medical Justice in Advocacy Fellowship
2024-2025	MedChi Resident and Fellows Section Chair
2024-2025	Copello Fellow
2024	ISER Travel Grant
2024	ARVO NEI Travel Grant Recipient
2024-2026	AMAF Board of Directors
2024	Invited Speaker “Eyes on Tomorrow: Innovating Ophthalmology Through Strategic Funding, Research, and Advocacy” Podcast
2023	Ho Din Award UT Southwestern
2023	NAEVR Emerging Scientist Program
2022-2023	Alpha Omega Alpha, Junior Member: Co-President
2023	Mayors Committee on Persons with Disabilities Fort Worth
2023	AMAF Leadership Development Institute
2022, 2021	Knights Templar Eye Foundation Travel Grant ARVO
2022	Excellence in Promoting Diversity and Inclusion Award American Medical Association MSS
2022	Texas Medical Association Honors Society
2022	Physicians of the Future 1st place Oral Presentation
2022	Texas Medical Association Chapter of the Year
2022, 2017	Nancy Volk Scholarship
2022	1st place Oral Presentation Physicians of the Future Summit Region 3
2022, 2019	MSTP Executive Committee Member
2022	AMAF Leadership and Development Institute
2021	Texas Medical Association Student of the Year
2021	Best Poster Presentation in Biochemistry- National Student Research Forum
2021	AMA Research Challenge Semifinalist
2021	Kappa Alpha Theta 35 under 35
2021	Women of Influence Award Nominee Junior League
2021	1st place poster presentations- Texas Academy of Family Physicians Dallas
2021-2015	Gold and Silver Presidential Service Award
2020	Schweitzer Fellowship and Grant
2020	UTSW Graduate School Academic Excellence Award
2019	Tylenol Healthy Futures Scholarship Recipient
2018	PEO Scholarship Recipient
2018-2019	UTSW Deans Research Scholar Recipient
2017	Hispanic Center of Excellence Health Award
2017	Doctor Choice Award by Texas Medical Association
2017	2nd place abstract by Texas Medical Association
2016	Martin Luther King Jr. Scholarship Finalist
2015, 2014	UTD Anson Clark Presidential Scholarship
2015	Junior League Excellence of Service Award Nominee
2014	National Charity League Spirit Award Nominee

C. Contributions to Science

Research Support

F30 EY031559-01 Stuard (PI), Robertson (mentor)	04/1/2020 – 3/31/2023
NRSA Pre-doctoral Fellowship: The role of IGFBP-3 in corneal epithelial homeostasis	
Lions Foundation For Sight Grant, Stuard (PI)	07/01/2020 – 7/01/2021
Eye Banking Association of America Pilot Grant, Stuard (PI)	07/01/2020 – 12/01/2021
Johns Hopkins PSTP Grant, Sambhariya (PI)	01/01/2024 – Present
2025 AAO Green Grant, Sambhariya (PI)	01/01/2025 – 12/31/2025

Subbasal Nerve Plexus Changes in T2DM Correlate with Tear Levels of IGFBP-3

Spring 2016 – Fall 2022 PI: Danielle Robertson, OD, PhD. University of Texas Southwestern Medical Center

Our laboratories' research was aimed at elucidating the cellular and molecular signaling pathways that regulate corneal epithelial homeostasis and ocular surface health. Specifically, a portion of the labs' current project was working with the IGF system, which can be altered in a variety of ocular diseases. The project studied levels of IGFBP-3 in tears and quantified changes in the sub-basal nerve plexus of diabetic patients as well as looked at the effect of hyperglycemic stress on epithelial cells. There were increased tear levels of IGFBP-3 in type 2 diabetic patients compared to controls that were correlated with corneal nerve and epithelial damage progression better than HbA1c.

- **Stuard WL**, et al. Tear Levels of IGFBP-3 Correlate With Subbasal Nerve Plexus Changes in Patients With Type 2 Diabetes Mellitus. *IOVS*, 2017. PMID: 29214310
- **Stuard WL,** et al. Alterations in corneal nerves following crack cocaine use mimics diabetes-induced nerve damage. *EDM Case Rep*, 2017. PMID: 28458887
- **Stuard WL,** et al**.** The IGF/Insulin-IGFBP Axis in Corneal Development, Wound Healing, and Disease. *Frontiers in Endo*, 2020. PMCID: 32194500
- Mussi N, **Stuard WL**, et al. Hyperglycemia attenuates spare respiratory capacity in corneal epithelial cells: a potential mechanism for impaired wound healing. *Cells, 2022.,* PMID: 36010643
- **Stuard WL,** et al. Tear Levels of IGFBP-3: A Potential Marker for Diabetic Nerve Changes in the Cornea. *ECL*, 2020. PMID 32443005
- Mussi N, **Stuard WL**, Sanches M, Robertson DM; Chronic hyperglycemic stress drives mitochondrial adaptation in human corneal epithelial cells. *IOVS*. 2022;63(7):3641 – A0206.
- Mussi N, **Stuard WL,** et al. Mitochondrial and metabolic alterations in diabetic corneal epithelial cells. *IOVS*. 2021;62(8):877.
- Robertson DM, Titone R, **Stuard WL**, and Zhu M. Insulin mediates mitochondrial stability in corneal epithelial cells. *IOVS*. 2019;60(9):907.

Interactive Effects of Obstructive Sleep Apnea and Type 2 Diabetes on Corneal Nerves

Fall 2015 – Fall 2022 PI: Danielle Robertson, OD, PhD. University of Texas Southwestern Medical Center
Prospectively studied the interactive effects of Obstructive Sleep Apnea and Type II Diabetes on corneal nerve characteristics.

- Bussan KA*, **Stuard WL***, et al. Differential effects of obstructive sleep apnea on the corneal subbasal nerve plexus and retinal nerve fiber layer. *PLoS One*, 2022. PMID: 35771778 (* Denotes Co-First authors)

The Role of IGFBP-3 in Corneal Epithelial Homeostasis

Spring 2018 – Spring 2023 PI: Danielle Robertson, OD, PhD. University of Texas Southwestern Medical Center

I worked to define the role of IGFBP-3 in corneal homeostasis. I demonstrated that members of the IGF family are essential in mitochondrial homeostasis and biogenesis.

- Bogdan E, **WL Stuard**, et al. IGFBP-3 mediates metabolic homeostasis during hyperosmolar stress in the corneal epithelium. *IOVS, 2021.* PMID: 34100890
- **Stuard WL,** et al. IGFBP-3 functions as a molecular switch that mediates mitochondrial and metabolic homeostasis. *FASEB J*, *2022*. PMID: 34918377
- **Stuard WL**, and DM Robertson. IGFBP-3 regulates mitochondrial hyperfusion and metabolic activity during hyperosmolar stress. *IJMS,* 2022. PMID: 35409425
- **Sambhariya Stuard WL,** et al. IGFBP-3 mediates hyperosmolar stress-induced mitophagy through the mechanistic target of rapamycin. J Biol Chem. 2023. PMID: 37690686;
- **Stuard WL,** et al. IGFBP-3 regulates mitochondrial fitness in corneal endothelial cells under hypothermic stress. *(In Review), 2023.*
- **Stuard WL**, Bogdan E, Mussi N, Titone R, and DM Robertson. IGFBP-3 mediates mitochondrial homeostasis during hyperosmolar stress. Presented at the American Society for Cell Biology, 2020.
- **Stuard WL,** Bogdan E, Mussi N, and DM Robertson. IGFBP-3 mediates mitochondrial homeostasis during hyperosmolar stress. *IOVS.* 2021;62(8):852.
- **Stuard WL**, Titone R, and DM Robertson. The role of insulin-like growth factor binding protein 3 (IGFBP-3) in mitochondrial homeostasis in human corneal epithelial cells. *IOVS.* 2019*:* E-abstract 925.
- **Stuard WL**, Guner M., Robertson DM; IGFBP-3 regulates metabolic activity and mitochondrial morphology through a biphasic response in corneal epithelial cells during hyperosmolar stress. *IOVS.* 2022;63(7):1124.
- Trautmann I, Sanches M, **Stuard WL**. The impact of IGFBP-3 on the NLRP3 inflammasome in aqueous deficient dry eye disease. *IOVS. 2023; 64(8):1727*
- Sanches M, **Stuard WL**, Mussi N, Robertson DM; Inflammation alters mitochondrial and metabolic homeostasis in corneal epithelial cells. *IOVS*. 2022;63(7):3632 – A0197.
- Kabaalioğlu M, **Stuard WL**, and DM Robertson. Effects of IGFBP-3 on mitochondrial fitness in corneal endothelial cells. *IOVS.* 2021;62(8):822.

The Role of PTEN in Transplantation of Human Retinal Ganglion Cells

Fall 2023 – Present PI: Thomas Johnson MD PhD. Johns Hopkins Hospital Wilmer Eye Institute

The overall goal of this project is to genetically engineer donor RGCs for to enhance survival and regenerative potential by modulating Phosphatase and TENs in homolog deleted on chromosome 10 (PTEN).

- **Sambhariya Stuard WL**. et al. PTEN knockout improves survival of transplanted human retinal ganglion cells. *IOVS*. 2024

Identification of predictive biomarkers for keratoconus progression

Fall 2025 – Present PI: *Uri Soiberman MD*. Johns Hopkins Hospital Wilmer Eye Institute

I am currently working to define predictive biomarkers for keratoconus progression in patients and will be giving the first presentation of this research at the Wilmer Research Meeting in June 2026.

ADDITIONAL SCIENTIFIC PUBLICATIONS

- **Sambhariya Stuard WL**. et al. Age-related macular degeneration and cerebral amyloid angiopathy have similar pathologies from cholesterol-APOE-amyloid-β-complement mediated inflammation. *Prog Retin Eye Res*. 2026
- **Sambhariya Stuard WL**. et al. Impact of Corneal Punctate Epithelial Staining on Patient Satisfaction After Cataract Surgery: An Area of Unmet Need for Clinical Guidance. *Cornea*. 2026
- **Sambhariya Stuard WL**. et al. Topography Chapter. *Cirugia Refractiva*. 2025.
- **Sambhariya Stuard WL,** et al. An Update on Dragged-Fovea Diplopia Syndrome. *Seminars in Ophthalmology*. 2024.
- **Sambhariya Stuard WL,** et al. Ocular Manifestations of SREBF1 Associated Hereditary Mucoepithelial Dysplasia. *JAAPOS. 2024.*
- **Sambhariya Stuard WL,** et al. A Rapidly Growing Eyelid Lesion. *JAMA Ophtho*. *June 13 2024.*
- Ngo M, **Sambhariya WS**. et al. Gender Based Differences in Electronic Medical Record Utilization in an Academic Ophthalmology Practice. *AJO International.* 2024.
- **Sambhariya Stuard WL**. et al. Lamotrigine Associated Episodic Diplopia. *Neuro-Ophthalmology*. 2026.
- **Stuard WL,** et al. Treatment Outcomes of Ocular Manifestations in Wernicke's Encephalopathy: Case Report. *NOVEL. 2023*.
- **Stuard WL,** et al. Corneal Transplant, Not All the Rules Prevent Blindness. *The International Journal of Eye Banking, 2021*. ISSN 2161-5546
- **Stuard WL**, et al., Development, and Implementation of Psychiatric Services in a Student-Operated Clinic. *CMH J*, 2019. PMID: 30109583
- **Stuard WL,** The Effects of Kangaroo Care on a Newborn's Development and Vital Physiology. *CMCH,* 2016. DOI: 10.4172/2090
- Indram, . . . ***Sambhariya WS et al.*** Real-world effectiveness of a binocular, dual-mechanism therapy in severe amblyopia: analysis from the PUPiL Registry. *JAAPOS 2026 (Accepted).*
- **Sambhariya Stuard WL**. et al. Use of Dichoptic Therapy for Deprivation Amblyopia: A single institution study. *(Submitted).*

PUBLISHED ABSTRACTS:

- **Sambhariya Stuard WL**. et al. A comparison of dichoptic stimulation in mild to moderate versus severe deprivational amblyopia**.** *IOVS*. 2025.
- Indaram M, Gaier E, Ghasia F, Koo E, Kraus C, **Sambhariya WS** et al. Real-World Effectiveness of a Binocular, Dual-Mechanism Therapy in Severe and Deprivational Amblyopia: Analysis from the PUPiL Registry. *IOVS*. 2025.
- Khan M, **Sambhariya WS**, et al. Association of HCQ use and age-related macular degeneration development and progression. *IOVS*. 2025.

BASIC SCIENCE ORAL PRESENTATIONS AND POSTERS:

- **Stuard WL**, Ian Trautman, and DM Robertson. IGFBP-3 inhibits mTOR to promote mitochondrial hyperfusion and block mitophagy in cells under hyperosmolar stress. Poster 2022. *Cell Biology*. Washington, D.C., USA
- **Stuard WL**, and DM Robertson. IGFBP-3 regulates metabolic activity and mitochondrial morphology through a biphasic response in corneal epithelial cells during hyperosmolar stress. Oral 2022. *ARVO*. Denver, CO, USA.
- **Stuard WL**, and Robertson DM. IGFBP-3 mediates mitochondrial homeostasis during hyperosmolar stress. Oral 2021. *ARVO*.

- **Stuard WL**, and Robertson DM. IGFBP-3 mediates mitochondrial homeostasis during hyperosmolar stress. Poster 2021. *AMA*.
- **Stuard WL**, Kabaalioğlu Güner M, and Robertson DM. The role of IGFBP-3 in mitochondrial homeostasis in corneal endothelial cells during hypothermic storage. Poster 2021. *National Student Research Forum*.
- **Stuard WL**, Titone R, and Robertson DM. The role of insulin-like growth factor binding protein 3 (IGFBP-3) in mitochondrial homeostasis in human corneal epithelial cells. Poster Presentation 2019. *ARVO*. Vancouver, Canada.
- **Stuard WL**, Titone R, and Robertson DM. The role of IGFBP-3 on mucosal epithelial cell mitochondrial homeostasis in hyperosmolar stress. Poster 2020. *American Society of Cell Biology*.
- **Stuard WL**, Bogdan E, Titone R, and Robertson DM. Mitochondrial homeostasis during hyperosmolar stress is mediated by IGFBP-3. Poster 2020. *American Physician Scientist Association Regional*.
- **Stuard WL**, Titone R, and Robertson DM. Tear Levels of IGFBP-3 correlate with subbasal nerve plexus changes in T2DM. Poster 2018. *National Student Research Forum.* Galveston, TX, USA.
- **Stuard WL,** Titone R, and Robertson DM. Final results: Interactive effects of obstructive sleep apnea and Type 2 Diabetes Mellitus on corneal nerves. Poster 2018. *National Student Research Forum*. Galveston, TX, USA.
- **Stuard WL**, Titone R, and Robertson DM. The role of insulin-like growth factor binding protein 3 (IGFBP-3) in mitophagy in human corneal epithelial cells. Poster 2019. *WISMAC*. Dallas, TX, USA.
- Trautman I**, Stuard WL,** Robertson DM. Characterization of the inflammatory profile in an aqueous deficient dry eye disease mouse model. Oral Presentation 2023. *UT Southwestern Medical Student Research Forum*.
- Trautman I**, Stuard WL,** Santiago V, Loubna M, Sanchez M, Robertson DM. The impact of IGFBP-3 on the NLRP3 inflammasome in aqueous deficient dry eye disease. Poster 2023. *ARVO.*
- Sanchez M, **Stuard WL**, et al. Inflammation alters mitochondrial and metabolic homeostasis in corneal epithelial cells. Poster 2022. *ARVO.*
- Mussi N, **Stuard WL**, et al. Chronic hyperglycemic stress drives metabolic adaption in human corneal epithelial cells. Poster 2022. *ARVO*.
- Kabaalioğlu M, **Stuard WL,** and Robertson DM. Effects of IGFBP-3 on mitochondrial fitness in corneal endothelial cells. Poster 2021. *ARVO*.
- Mussi N, **Stuard WL,** and Robertson DM. Mitochondrial and metabolic alterations in diabetic corneal epithelial cells. Poster 2021. *ARVO*.
- **Stuard WL**, Truong-Le M. The relationship between visual field defects in the setting of chorioretinal coloboma and optic disc drusen. Poster 2024. *NANOS.*
- **Stuard WL**, Truong-Le M. Two sides of the same coin. Poster 2024 NANOS
- **Sambhariya WL. et al.** PTEN knockout improves survival of transplanted human retinal ganglion cells. Oral Presentation 2024. ARVO.
- **Sambhariya WL. et al.** PTEN knockout improves survival of transplanted human retinal ganglion cells. Poster 2024. *Rising Stars in Cell Biology.*
- **Sambhariya WL**. et al. PTEN knockout improves survival of transplanted human retinal ganglion cells. Oral 2024. *Stem Cell Symposium.*
- **Sambhariya Stuard WL**. et al. The Impact of Corneal Punctate Erosions on Patient Satisfaction Following Cataract Surgery. Poster 2024. *ASCRS.*
- **Sambhariya Stuard WL.** et al. The Impact of Ocular Surface Damage on Patient Satisfaction Following Cataract Surgery. Poster 2024. *MSEPS*.
- **Sambhariya Stuard WL.** et al. PTEN knockout improves survival of transplanted human retinal ganglion cells. Oral Presentation 2024. *WRA*.
- S**ambhariya Stuard WL**. et al. PTEN knockout improves survival of transplanted human retinal ganglion cells. Oral Presentation 2024. *WRM.*
- S**ambhariya Stuard WL**. et al. The role of PTEN in intraocular stem cell transplantation neuroprotection and survival. Oral Presentation 2024. *ISER.*
- S**ambhariya Stuard WL**. et al. The role of PTEN in intraocular stem cell transplantation neuroprotection and survival. Oral Presentation 2024. *AUPO.*
- **Sambhariya Stuard WL**. et al. A comparison of dichoptic stimulation in mild to moderate versus severe deprivational amblyopia**.** Poster presentation**.** *ARVO 2025.*
- **Sambhariya Stuard WL**. et al. Dichoptic stimulation in pediatric patients with deprivational amblyopia. Poster presentation. *AAPOS 2025.*
- Indaram M, Gaier E, Ghasia F, Koo E, Kraus C, **Sambhariya WS** et al. Real-World Effectiveness of a Binocular, Dual-Mechanism Therapy in Severe and Deprivational Amblyopia: Analysis from the PUPiL Registry. Poster presentation . *ARVO 2025.*
- Khan M, **Sambhariya WS**, et al. Association of hydroxychloroquine use and age-related macular degeneration development and progression. Poster presentation. *ARVO 2025.*
- **Sambhariya Stuard WL**. et al. A comparison of dichoptic stimulation in mild to moderate versus severe deprivational amblyopia**.** Poster presentation. *MSEPS 2025.*
- **Sambhariya Stuard WL**. et al. Association of HCQ and AMD. *WRA 2025.*
- Dev A, **Sambhariya Stuard WL**. et al. Association of HCQ and AMD. *AAO 2025.*
- **Sambhariya Stuard WL**. et al. Classic Pediatric Cataract Extraction Without IOL and Anterior Vitrectomy. *AAO 2025.*
- **Sambhariya Stuard WL**. et al. A novel technique for femtosecond laser assisted lamellar keratoplasty. *ASCRS 2026.*
- **Sambhariya Stuard WL**. et al. Magnitude of Plastic Waste as a Result of Intracameral versus Topical Antibiotics Prophylaxis for Cataract Surgery. *ARVO 2026*.
- Khan MH,… **Sambhariya WS** et al. Incidence of Strabismus in Adult Patients Undergoing Skull-base and Orbital Tumor Removal. *ARVO 2026.*

COMMUNITY SERVICE ORAL PRESENTATIONS AND POSTERS: LINK
POLICY AND EDITORIAL WRITING: LINK
WRITER AND REVIEWER
Frontiers in Ophthalmology, Ophthalmology Glaucoma, Contact Lens and Anterior Eye, The Ocular Surface – Reviewer; Biomedical Odyssey – Editor and Writer; EyeTea – Editor and Writer; YoungMD Connect – Writer; Ophthalmology Management – Writer

LEADERSHIP, ADVOCACY, & SERVICE
The American Academy of Ophthalmology
Spring 2023-Present *Resident Self-Assessment Committee, 2024 Advocacy Ambassador, AAO Delegate to the AMA RFS*
- 2025 Green Grant Recipient "Reducing our Carbon Footprint by Switching to Intracameral Antibiotic Prophylaxis in Cataract surgery" being presented at ARVO 2026

The Association for Research in Vision and Ophthalmology
Spring 2022-Present
Advocacy and Outreach Committee Chair and Member (Appointed for three years), 2023/24/25 Webinar Leader, Advocacy Day 2024 Planning Committee, Session Moderator 2024
- Invited Speaker for "Eyes on Tomorrow" Innovating Ophthalmology Through Strategic Funding, Research and Advocacy" with other speakers Dr. Michael Chiang, NEI Director and Dr. Daniel Pelaez from Bascom Palmer.
- 50 States 50 Stories Advocacy and Research initiative

ACGME: Ophthalmology Review Committee
Summer 2026 -Summer 2028: *Resident appointee to the Ophthalmology Review Committee and Resident Council Member*
International Society of Eye Research
Spring 2025- Spring 2027: *Early Career Representative Member*
Johns Hopkins House Staff

Fall 2023- Present**:** *HSC elected member, Ophthalmology House Staff Representative Class, Program Evaluation Committee Representative*
The Lens Ophthalmology
Spring 2022-Present: *Writer for the journal Ophthalmology, Editor 2023-2025*
EyeRes
Spring 2023-Fall 2025**:** *Senior Executive Team*
EyeTea
Spring 2023-Present**:** *MedED Contributor and Editorial Lead*
American Medical Association (AMA)
Fall 2015-Present: *AMAF Board of Directors (2 terms), AMA-RFS IOP Committee Chair, AMA-RFS Alternate Delegate to the AMA HOD, MedChi Alt Delegate to the AMA, AMAF Leadership Development Institute, Ad Hoc Communications Audit Committee, RFS Internal Operating Procedures Committee, RFS Justice, Equity, Diversity, and Inclusion Committee, Maryland Delegate to the RFS, Vice-Speaker MSS, Vice-Chair of the Bylaws Taskforce*, *Region III Delegate, AMA Medical Student Section (MSS) Committee on Long Range Planning (Chair), AMA-MSS Logistics Committee (Chair: I-20, A-23, A-21), AMA-MSS parliamentary Procedures Committee (Chair: I-22), AMA Region III Resolution Review Committee, UTSW AMA Co-President, Medical Student Outreach Leader, Committee on Disability Affairs, UTSW AMA-MSS Delegate, AMA-MSS Member, IOP task force lead*

- Educational Session Moderator: Beyond the Bedside: Exploring Non-Clinical Career Paths for Physicians and Experiencing Healthcare with a Disability: Lived Experiences and Lessons Learned
- 2023 AMA Research Challenge speaker for the session “How to get research published”
- Featured in the article “Medical Student Research retrospective” 2024
- Featured in the article “What I wish I knew in Medical School about Standardized Patients” 2024

Maryland State Medical Society (MedChi)
Fall 2023-Present: *MedChi Board of Trustees Member, MedChi RFS Chair, MedChi Alternate Delegate to the AMA HOD, Member, RFS Member, Committee on Legislation, IDEA committee, Public Health Subcommittee. MedChi RFS Delegate 2024*
Maryland Society of Eye Physicians and Surgeons (MSEPS)
Fall 2023-Present: *2024 Planning Committee Member and YO committee founder*
Baltimore City Medical Society
Fall 2023-Present: *Committee on Constitution and Bylaws, Alternate Delegate to MedChi*
UT Southwestern Departmental Ophthalmology Journal Club
Spring 2022-Summer 2023: *Co-Founder*
Texas Medical Association (TMA)
Fall 2015-Summer 2023: *TMA Alternate Delegate to the AMA HOD, TMA-MSS Executive Council Reporter, TEXPAC Board of Directors, TMA Candidate Evaluation Committee, TMA Ad-Hoc Committee, UTSW TMA Co-President, UTSW TMA Delegate, TMA Member*
Dallas County Medical Society
Spring 2021-Summer 2023: *Board of Directors Student member, DCMS Delegation Ex-Officio Delegate on the DCMS Delegation to the TMA*
Schweitzer Fellow Summer 2020-Summer 2021
Student-Run Free Clinic Fall 2013-Summer 2023

- Society of Student-Run Free Clinics – *Board of Directors (July 2021-Present)*
- Brother Bills Helping Hands Student-Run Free Clinic – *Manager and Co-Founder (Spring 2021-Present)*
    - 2023 McGovern Award
    - Authored and was awarded two TMA vaccine grants
- Hepatitis B Free DFW - *Advisor (2019-present), Director (2018-2019), Treasurer (2017-2018), Data Manager (2016-2017)*
    - Organized and participated in Hepatitis B screening clinics for underserved communities
    - Co-Authored and won a $10,000 Hepatitis B United Grant and APAMSA Chapter Award in 2018
    - In 2016, our team was recognized by the White House for chronic viral hepatitis screening and for raising awareness
- The Monday Clinic - *Mental Health Manager* (*Fall 2015-Fall 2016)*
    - Organized mental health screenings each week and worked as a general clinic manager
- Cradled With Love 501c3 – *Founder/CEO (Fall 2013- Present)*
    - Founded a non-profit organization to serve over 1,000 mothers by providing baby wraps for kangaroo care
- UT Southwestern Free Clinic Committee – *Director of the Board (Fall 2015-Fall 2016)*, $5000 SWAT grant

UTSW Service Projects and Activities, Dallas, TX

- MSTP Executive Committee- *GS2 representative (Fall 2019-Fall 2020)*
- Paul Quinn College Primary Care Project- *Chief Advisor (Spring 2021-Spring 2023)*
- Peer Mentor at UT Southwestern - *Vice President and Graduate Medical School Liaison (Fall 2018-present)*
- United to Serve Health Fair- *Donation Co-Chair and volunteer (Fall 2015 –Spring 2019)*
- UT Southwestern Student Gov- *Educational IT Director (2017- 2019) and Philadelphia Committee (2015-2016)*
- Medical Student Research Forum- *Judge (2019, 2020, 2021, 2022)*
- MSTP Revisit Committee- *Organizer (2021)*
- Trauma Surgery Society, *Vice President (2015-2016)*
- Wilderness Medical Society*, Co-President (2015-2016)*

UT Southwestern Disability Working Group
Spring 2021-Summer 2023 *Founder*

- Founded and operated the Disability Awareness and Advocacy elective (Enrollment 75 Texas Medical Students)

Medical Student Press
Summer 2020-Spring 2024 *Executive Editor, Editor-in-Chief*

WORK EXPERIENCE

2020- 2022	Coaching for Academic Success- *Tutor for students with learning disabilities*
2016	UT Southwestern Medical Center Anatomy Lab - *Teacher Assistant*
2016-2023	UT Southwestern Medical Center Student Services - *Student Tutor, Teacher Assistant*
2013-2015	The Blue Fish Japanese Restaurant – *Hostess*

TEACHING

2019, 2020, 2021 NEI Journal Club Leader for the summer medical student research program
Research Mentorship of Medical Students: Kelly Kiser (2018), Evan Bogdan (2018), Katherine Bussan (2019), Ian Trautman (2022)
Research Mentorship Visiting Junior Research Fellows: Natalia Mussi, MD (11/1/2019 – 10/31/2020), Melis Guner, MD* (7/01/2020 – 6/30/202)
*Recipient of ARVO travel fellowship award, 2021