

# Andrew M. Williams, MD

## Education

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- 2007-2011 BA in History of Science, History of Medicine (with Distinction)  
**Yale University** • New Haven, CT
- 2011-2016 MD (Alpha Omega Alpha)  
**Michigan State University** College of Human Medicine • East Lansing, MI

## Predoctoral Fellowship

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- 2014-2015 Research Fellowship  
Advisors: Rand Allingham, Michael Hauser, Dan Stamer, Kelly Muir, Jullia Rosdahl  
**Duke University Eye Center** • Durham, NC

## Postdoctoral Training

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- 2016-2017 Transitional Year Internship  
Program Director: Julie McCausland, MD  
**University of Pittsburgh Medical Center** • Pittsburgh, PA
- 2017-2020 Ophthalmology Residency  
Program Director: Evan (Jake) Waxman, MD, PhD  
**University of Pittsburgh Medical Center** • Pittsburgh, PA
- 2020-2021 Glaucoma Fellowship  
Program Director: Kelly Muir, MD  
**Duke University Eye Center** • Durham, NC

## Appointments and Positions

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- 2020-2021 Clinical Associate, Department of Ophthalmology  
**Duke University School of Medicine** • Durham, NC
- 2021-2022- Assistant Professor  
Director, Healthy Vision Initiatives to Improve Eye Care Access and Delivery  
Department of Ophthalmology  
University of Pittsburgh Medical Center (UPMC) Vision Institute  
**University of Pittsburgh School of Medicine** • Pittsburgh, PA

## Medical Licensure

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- 2020-2021 North Carolina
- 2021- Pennsylvania

## Board Certification

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2021- Diplomate, American Board of Ophthalmology

## Honors and Awards

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2009-2011 Norman Williams, Jr. Scholarship, Yale University  
2010-2011 Yale Alumni Association of Michigan Fourth Scholarship, Yale University  
2010 Parkinson's Disease Foundation Summer Student Fellowship  
2012 *New England Journal of Medicine* Scholar Award, essay contest winner  
2013 The Osler Medal, awarded for the best essay on a medical historical topic  
2015 Alpha Omega Alpha (AOA) Honor Medical Society  
2016 Kareti Endowed Scholarship, Michigan State University  
2018 Dorothy Christie Scott Academic Mission Award in Ophthalmology, Eye & Ear Foundation of Pittsburgh  
2018 Heed Ophthalmic Foundation Resident Retreat Attendee  
2020 Jay G. Linn Award, given to the graduating resident who has demonstrated the highest quality of teaching and patient care  
2021 Research to Prevent Blindness/ American Academy of Ophthalmology Award for Intelligent Research in Sight (IRIS) Registry Research  
2023 David L. Epstein Clinician-Scientist Research Award, Chandler-Grant Glaucoma Society

## Publications

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1. Wasser LM, Bear TM, Sommers M, Cassidy J, Muir KW, **Williams AM**. Barriers to care among glaucoma patients with a missed appointment and interest in a navigator program. *Journal of Glaucoma*. Forthcoming.
2. Wasser LM, Cassidy J, Cecconi K, McGinnis-Thomas D, Ayalon A, Zaheer HA, Waxman EL, Sahel J-A, **Williams AM**. Predictors of clinic attendance after community-based vision screening. *Translational Vision Science & Technology*. Forthcoming.
3. Zarnegar A, Cassidy J, Stone A, McGinnis-Thomas D, Wasser LM, Sahel J-A, **Williams AM**. Effect of a patient navigator program to address barriers to eye care at an academic ophthalmology practice. *Journal of Academic Ophthalmology* 2023;15(01):e106-11.
4. Rao M, Huang Y-K, Liu C-C, Meadows C, Cheng H-C, Zhou M, Chen T-C, Xia X, Goldberg JL, **Williams AM**, Kuwajima T, Chang K-C. Aldose reductase inhibition decelerates optic nerve degeneration by alleviating retinal microglia activation. *Scientific Reports* 2023;13,5592. PMID: 37019993.

5. Hung A, **Williams AM**, Newman-Casey PA, Muir K, Gatwood J. Cost-utility analysis of a medication adherence-enhancing educational intervention for glaucoma. *Ophthalmology Glaucoma* 2023;6(4):395-404. PMID: 36707031.
6. Robinson C, Schempf T, **Williams AM**, Muir KW, Woolson S, Olsen M, Rosdahl JA. Glaucoma knowledge and disease severity in a veteran population: the medication adherence in glaucoma to improve care (MAGIC) study. *Ophthalmology Glaucoma* 2023;6(3):277-282. PMID: 36400355.
7. **Williams AM**, Schempf T, Liu PJ, Rosdahl JA. Loss to follow up among glaucoma patients at a tertiary eye center over 10 years: Incidence, risk factors, and clinical outcomes *Ophthalmic Epidemiology* 2023;30(4):383-391. PMID: 36154557.
8. **Williams AM**, Theophanous C, Muir KW, Rosdahl JA, Woolson S, Olsen M, Hung A. Within-trial cost effectiveness of an adherence-enhancing educational intervention for glaucoma. *American Journal of Ophthalmology* 2022;244:216-227. PMID: 36002073.
9. Atta S, Zaheer HA, Clinger O, Liu PJ, Waxman EL, McGinnis-Thomas D, Sahel J-A, **Williams AM**. Characteristics associated with barriers to eye care: A cross-sectional survey at a free vision screening event. *Ophthalmic Research* 2022. PMID: 36063808.
10. Schempf T, Kalra G, Commiskey PW, Bowers EM, Davis A, Waxman EL, Fu R, **Williams AM**. Accuracy assessment of outpatient telemedicine encounters at an academic ophthalmology department. *Journal of Academic Ophthalmology* 2022;14(02):e193-200.
11. **Williams AM** and Sahel J-A. Addressing social determinants of vision health. *Ophthalmology and Therapy* 2022;11(4):1371-82. PMID: 35674883.
12. **Williams AM**, Weed JM, Commiskey PW, Kalra G, Waxman EL. Prevalence of diabetic retinopathy and self-reported barriers to eye care among patients with diabetes in the emergency department: the diabetic retinopathy screening in the emergency department (DRS-ED) study. *BMC Ophthalmology* 2022;22:1-7. PMID: 35624427.
13. Amarasekera S, **Williams AM**, Freund KB, Rossi EA, Dansingani KK. Multimodal imaging of multifocal choroiditis with adaptive optics ophthalmoscopy. *Retinal Cases & Brief Reports* 2022;16(6):747-753. PMID: 36288621.
14. Botsford BW, **Williams AM**, Martel JN. High-powered blue-light laser-induced maculopathy in an adolescent: multi-modal imaging, evolution, and management. *Retinal Cases & Brief Reports* 2022;16(3):314-317. PMID: 31958106.
15. Kalra G, Commiskey PW, Schempf T, **Williams AM**, Bowers EMR, Waxman EL, Fu R. Initial results and patient survey of virtual inpatient ophthalmology consultations during the COVID-19 pandemic. *Seminars in Ophthalmology* 2021;36:461-468. PMID: 33641597.
16. **Williams AM** and Muir KW. Management of hypotony-related maculopathy after combined phacoemulsification and trabeculectomy: January consultation #4. *Journal of Cataract and Refractive Surgery* 2021;47:133-134. PMID: 33910185.

17. Watane A, Botsford BW, Sood AB, **Williams AM**, Xu D, Gupta RR, Conner IP, Sivalingam A, Gupta OP, Ward MS, Mehta S, del Cid M, Crossan A, Sierpina DI, Hwang FS, Rachitskaya A, Ehmann DS, Kovacs KD, Orlin A, Zhang AY, Patel U, Dubovy S, Klufas MA, Patel NA, Sridhar J, Yannuzzi NA. Scleral-sutured intraocular lens dislocations secondary to eyelet fractures. *American Journal of Ophthalmology* 2021;221:273-278. PMID: 32777376.
18. **Williams AM**, Waxman EL, Shazly TA. A woman with bilateral visual field defects. *JAMA Ophthalmology* 2020;138(12):1312-1313. PMID: 33034618.
19. **Williams AM**, Sheppler AM, Chu CT, Nischal KK. Sympathetic ophthalmia presenting 5 days after penetrating injury. *American Journal of Ophthalmology Case Reports* 2020;19:100816. PMID: 32695926.
20. Kalra G,\* **Williams AM**,\* Commiskey PW, Bowers EMR, Schempf T, Sahel J-A, Waxman EL, Fu R. Incorporating video visits into ophthalmology practice: a retrospective analysis and patient survey to assess initial experiences and patient acceptability at an academic eye center. *Ophthalmology and Therapy* 2020;9:549-562. PMID: 32535837.
21. **Williams AM**, Kalra G, Commiskey PW, Bowers EMR, Rudolph BR, Pitcher M, Dansingani KK, Jhanji V, Nischal K, Sahel J-A, Waxman EL, Fu R. Ophthalmology practice during the coronavirus disease 2019 pandemic: the University of Pittsburgh experience in promoting clinic safety and embracing video visits. *Ophthalmology and Therapy* 2020;9:1-9. PMID: 32377502.
22. **Williams AM**, Nguyen VQ, Botsford BW, Eller AW. Bilateral acute retinal necrosis caused by two separate viral etiologies. *American Journal of Ophthalmology Case Reports* 2020;18:100636. PMID: 32154437.
23. Shah P, **Williams AM**, Pihlblad MS, Nischal KK. Ophthalmic manifestations of Mycoplasma-induced rash and mucositis. *Cornea* 2019;38(10):1305-1308. PMID: 31246679.
24. Botsford BW,\* **Williams AM**,\* Conner IP, Martel JN, Eller AW. Scleral fixation of intraocular lenses with Gore-Tex suture: refractive outcomes and comparison of lens power formulas. *Ophthalmology Retina* 2019;3(6):468-472. PMID: 31174667.
25. **Williams AM**,\* Botsford B,\* Mortensen P, Park D, Waxman EL. Delivering mobile eye care to underserved communities while providing training in ophthalmology to medical students: experience of the Guerrilla Eye Service. *Clinical Ophthalmology* 2019;13:337-346. PMID: 30858683.
26. **Williams AM**, Amarasekera S, Swogger J. Topiramate-induced angle closure. *Ophthalmology Glaucoma* 2018; 1(3):166. PMID: 32672649.
27. Stamer WD, **Williams AM**, Pflugfelder S, Coupland SE. Accessibility to and quality of human eye tissue for research: a cross-sectional survey of ARVO members. *Investigative Ophthalmology and Visual Sciences* 2018;59:4783-4792. PMID: 30304462.
  - Feature of 2 editorials in the issue: *IOVS* 2018;59,4793-4795 and 4796-4797.

28. Botsford B,\* **Williams AM**,\* Conner IP, Eller AW, Martel JN. Scleral fixation of posterior chamber intraocular lenses using Gore-Tex suture: clinical outcomes from a single institution. *Journal of VitreoRetinal Diseases* 2018;2(5):276-281.
  - Feature of the issue's opening editorial, *Journal of VitreoRetinal Diseases* 2018;2(5):261.
29. **Williams AM** and Muir KW. Awareness and attitudes toward corneal donation: challenges and opportunities. *Clinical Ophthalmology* 2018;12,1049-1059. PMID: 29922034.
30. **Williams AM**, Liu PJ, Muir KW, Waxman EL. Behavioral economics and diabetic eye exams. *Preventive Medicine* 2018;112,76-87. PMID: 29626555.
31. **Williams AM**, Huang W, Muir KW, Stinnett S, Stone JS, Rosdahl JA. Identifying risk factors for blindness from primary open-angle glaucoma by race: a case-control study. *Clinical Ophthalmology* 2018;12,377-383. PMID: 29503525.
32. Davies I, **Williams AM**, Muir KW. Aids for eye drop administration. *Survey of Ophthalmology* 2017;62(3),332-345. PMID: 28011246.
33. **Williams AM**, Stamer WD, Allingham RR. Increasing the availability and quality of donor eyes for research. *JAMA Ophthalmology* 2016;134(4),351-352. PMID: 26768017.
34. **Williams AM**, Muir KW, Rosdahl JA. Readability of patient education materials in ophthalmology: a single-institution study and systematic review. *BMC Ophthalmology* 2016;16(133). PMID: 27487960.
  - Featured in EyeWorld Magazine of ASCRS: <http://www.eyeworld.org/article-education-materials-often-tough-for-patients-to-understand>
35. **Williams AM**, Perkumas KM, Perry I, Wen JC, Keeling J, Tramber M, Liton PB, Stamer WD. Successful implementation of a program for increasing donor eyes for research: the Duke-Miracles in Sight Program. *Journal of Ocular Pharmacology and Therapeutics* 2016;32(3),145-149. PMID: 26982653.
36. **Williams AM**, Allingham RR, Stamer WD, Muir KW. Eye care professionals' perspectives on eye donation and an eye donation registry for research: a single-institution, cross-sectional study. *Current Eye Research* 2016;41(6),867-71. PMID: 26287578.
37. **Williams AM**, Watson J, Mansour MA, Sugiyama GT. Combined coronary artery bypass grafting and abdominal aortic aneurysm repair: presentation of three cases and a review of the literature. *Annals of Vascular Surgery* 2016;30(1),321-330. PMID: 26256703.
38. Hauser MA, Aboobakar IF, Liu Y, Miura S, Whigham BT, Challa P, Wheeler J, **Williams A**, Santiago-Turla C, Qin X, Williams SEI, Rautenbach RM, Ziskind A, Ramsay M, Carmichael TR, Uebe S, Song L, Safi A, Vithana EN, Mizoguchi T, Nakano S, Kubota T, Hayashi K, Manabe S, Kazama S, Mori Y, Miyata K, Yoshimura N, Reis A, Crawford G, Pasutto F, Ozaki M, Aung T, Khor C-C, Stamer WD, Ashley-Koch AE, Allingham RR. Genetic variants and cellular stressors

associated with exfoliation syndrome modulate promoter activity of a lncRNA within the *LOXL1* Locus. *Human Molecular Genetics* 2015;24(22),6552-63. PMID: 26307087.

39. LeBlanc TW, Bartell-Hesson A, **Williams AM**, Feudtner C, Holmes-Rovner M, Stern DT, Williamson L, Ubel PA. Patient understanding of medical jargon: a survey study of U.S. medical students. *Patient Education and Counseling* 2014;95(2),238-242. PMID: 24525222.
40. **Williams AM**, Allingham RR, Beckwith HS, Liu PJ, Santiago-Turla C, Muir KW. Patient and family attitudes about an eye donation registry for research. *Current Eye Research* 2013;38(9),945-951. PMID: 23767667.
  - Featured in USA Today:  
<http://www.usatoday.com/story/news/health/2013/07/18/eye-donation-does-not-meet-demand/2553167/>
41. Greten-Harrison B, Polydoro M, Morimoto-Tomita M, Diao L, **Williams AM**, Nie EH, Makani S, Tian N, Castillo PE, Buchman VL, Chandra SS.  $\alpha\beta\gamma$ -synuclein triple knockout mice reveal age-dependent neuronal dysfunction. *Proceedings of the National Academy of Sciences* 2010;107(45), 19573-78. PMID: 20974939.

\* Denotes equal contribution

## Book Chapters

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1. **Williams AM**, Muir KW. "Pigmentary Glaucoma." In: *Ophthalmology*. Eds. Yanoff & Duker. 6<sup>th</sup> ed. Philadelphia: Saunders (2022).
2. **Williams AM**, Rosdahl JA. "Optical Coherence Tomography of the Optic Nerve." In: *Optical Coherence Tomography in Glaucoma*. Ed. Rosdahl JA. 1<sup>st</sup> ed. New York: Thieme (2021).
3. **Williams AM**. "Cataract Surgery in Angle Closure." In: *The Duke Manual of Glaucoma Surgery*. Ed. Gupta D. 1<sup>st</sup> Ed. Philadelphia: Wolters Kluwer (2021).
4. **Williams AM**. "Laser Iridoplasty." In: *The Duke Manual of Glaucoma Surgery*. Ed. Gupta D. 1<sup>st</sup> Ed. Philadelphia: Wolters Kluwer (2021).
5. **Williams AM**, Muir KW. "Pigmentary Glaucoma." In: *Ophthalmology*. Eds. Yanoff & Duker. 5<sup>th</sup> ed. Philadelphia: Saunders (2018).

## Presentations

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1. Zaheer HA, Atta S, Wasser LM, Cassidy J, Stone A, Waxman EL, **Williams AM**. Follow-up characteristics in a large diabetic teleretinal screening program. To be presented at the American Academy of Ophthalmology Annual Meeting. San Francisco, CA: November 2023.

2. Lee T, Dorali P, Weng C, Wasser LM, **Williams AM**. Cost-effectiveness analysis of geographically-based teleretinal diabetic retinopathy screening policies for urban and rural populations. Association for Research in Vision and Ophthalmology (ARVO) annual meeting. New Orleans, LA. 2023.
3. Zaheer HA, Wasser LM, Cassidy J, Cecconi K, Waxman EL, Sahel J-A, **Williams AM**. Factors associated with clinic attendance after referral from a community screening event. Association for Research in Vision and Ophthalmology (ARVO) annual meeting. New Orleans, LA. 2023.
4. **Williams AM**. Glaucoma and its surgical management. Pittsburgh Ophthalmology Society Annual Meeting. Pittsburgh, PA: March 10, 2023.
5. Wasser LM, Lin H-H S, **Williams AM**. Factors associated with return to care after lapse in follow up for glaucoma: An IRIS<sup>®</sup> Registry (Intelligent Research in Sight) retrospective cohort analysis. American Glaucoma Society Annual Meeting. Austin, TX: March 3, 2023.
6. **Williams AM**, Wasser LW, Sommers M, Bear T, Muir KW. Feasibility of a patient navigator program for glaucoma patients who “no show.” American Glaucoma Society Annual Meeting. Austin, TX: March 3, 2023. Virtual poster presentation.
7. **Williams AM**. Access to care in ophthalmology. Webinar presentation hosted by the Eye and Ear Foundation. Sight+Sound Bites seminar series. Virtual. November 18, 2022.
8. **Williams AM**. Loss to follow up among glaucoma patients: prevalence, risk factors and clinical outcomes. IRIS Registry Symposium. Podium presentation at the American Academy of Ophthalmology Annual Meeting. Chicago, IL: October 3, 2022.
9. **Williams AM**. A conversation with Andrew Williams, MD. “Honestly Bilal” podcast. August 7, 2022.
10. Zaheer HA, Atta S, Clinger O, Liu PJ, Waxman EL, McGinnis-Thomas D, Alain Sahel J-A, **Williams AM**. Association of patient characteristics with self-reported barriers to eye care at a free community vision screening event. Association for Research in Vision and Ophthalmology (ARVO) annual meeting. Virtual. May 2022.
11. **Williams AM**. Patient and community engagement to improve eyecare delivery in glaucoma and other chronic eye diseases. Webinar presentation hosted by the Eye and Ear Foundation. Sight+Sound Bites seminar series. Virtual. December 17, 2021.
12. **Williams AM**, Theophanous C, Muir KW, Rosdahl JA, Woolson S, Olsen M, Hung A. Cost effectiveness of an adherence-enhancing educational intervention for glaucoma: the medication adherence in glaucoma to improve care (MAGIC) study. Poster presentation at the American Academy of Ophthalmology Annual Meeting. New Orleans, LA: November 15, 2021.
13. **Williams AM**. Glaucoma. Presentation to perioperative nursing staff at the Duke Eye Center. Durham, NC: May 5, 2021.

14. Robinson C, **Williams AM**, Muir KW, Rosdahl JA. Glaucoma knowledge and disease severity in a veteran population with poor adherence. Poster presentation at the Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting. Virtual: May 2021.
15. Bowers E, **Williams AM**, Commiskey P, Kalra G, Schempf T, Waxman EL, Fu R. Implementation of video visits in an academic ophthalmology department during the COVID-19 pandemic. Poster presentation at the American Academy of Ophthalmology Annual Meeting. Virtual: November 2020.
16. **Williams AM**. Re-exposure of glaucoma drainage devices. Duke Glaucoma M&M Conference. Durham, NC: November 6, 2020.
17. **Williams AM**, Theophanous C. Caring for glaucoma patients during a pandemic: a case-based discussion. 32<sup>nd</sup> Annual Duke Glaucoma Symposium. Virtual webinar: September 26, 2020.
18. **Williams AM**, Theophanous C, Herndon L. Duke Glaucoma Surgery Series: Glaucoma Drainage Device Techniques. Virtual webinar: August 29, 2020.
19. **Williams AM**. A strategic science approach to research in ophthalmology: Improving the availability and quality of donor eyes for research. Invited lecture at the University of Pittsburgh. Pittsburgh, PA (presented virtually). August 28, 2020.
20. **Williams AM**. Phacomorphic glaucoma. Duke Glaucoma M&M Conference. Durham, NC: August 7, 2020.
21. **Williams AM**. A woman with bilateral visual field defects. Invited lecture at Davis Duehr Dean. Madison, WI (presented virtually): June 15, 2020.
22. **Williams AM**. Scleral fixation of intraocular lenses combined with glaucoma surgery. Podium presentation at Vision Research Day at the Eye and Ear Institute of the University of Pittsburgh. Pittsburgh, PA: June 11, 2020.
23. **Williams AM**, S. Tonya Stefko. COVID-19 and Ophthalmology. Podium presentation at Grand Rounds at the Eye and Ear Institute of the University of Pittsburgh. Pittsburgh, PA: April 3, 2020.
24. **Williams AM**, Conner IP. Pars plana vitrectomy, lensectomy, Molteno 3 glaucoma drainage device insertion, and scleral-fixation of an IOL using Gore-tex suture in a case of uncontrolled traumatic glaucoma and dislocated crystalline lens. Video presentation at the American Glaucoma Society (AGS). Washington, DC: February 27, 2020.
  - Selected as a Top 5 surgical video for the meeting
25. **Williams AM**, Botsford B, Conner I. Outcomes of glaucoma surgery combined with scleral fixation of an intraocular lens using Gore-Tex suture. Poster presentation at the American Glaucoma Society (AGS). Washington, DC: February 28, 2020.
26. **Williams AM**, Dansingani KK. Multifocal choroiditis. Podium presentation at Grand Rounds at the Eye and Ear Institute of the University of Pittsburgh. Pittsburgh, PA: September 21, 2018.



27. **Williams AM**, Gonzalez LA. Root cause analysis. Podium presentation at Grand Rounds at the Eye and Ear Institute of the University of Pittsburgh. Pittsburgh, PA: June 1, 2018.
28. **Williams AM** and Eller AW. Management of neovascular membrane secondary to choroidal nevus. Podium presentation at Retina Imaging Conference at the Eye and Ear Institute of the University of Pittsburgh. Pittsburgh, PA: May 23, 2018.
29. **Williams AM**, Botsford B, Conner I, Eller AW, Martel JN. Scleral fixation of posterior chamber intraocular lenses using Gore-Tex suture: clinical outcomes from a single-institution case series. Poster presentation at the Association for Research in Vision and Ophthalmology (ARVO) annual meeting. Honolulu, HI: April 29, 2018.
30. **Williams AM**, Loewen N. OMG UGH. Podium presentation at Grand Rounds at the Eye and Ear Institute of the University of Pittsburgh. Pittsburgh, PA: February 23, 2018.
31. **Williams AM** and Nischal KK. Sympathetic Ophthalmia. Podium presentation at Grand Rounds at the Eye and Ear Institute of the University of Pittsburgh. Pittsburgh, PA: January 5, 2018.
32. **Williams AM**, Yu A, Gordan R, Corcoran D, Allingham RR, Hauser MA. Investigating the role of SIX6 in the genetics of primary open-angle glaucoma. Podium presentation at Michigan State University/Grand Rapids Medical Education Partners Annual Research Day. Grand Rapids, MI: April 27, 2016.
33. **Williams AM**, Muir KW, Rosdahl JA. Improving patient education materials about glaucoma with attention to low health literacy. Podium presentation at Michigan State University/Grand Rapids Medical Education Partners Annual Research Day. Grand Rapids, MI: April 27, 2016.
34. **Williams AM**, Yu A, Gordan R, Corcoran D, Allingham RR, Hauser MA. Identifying genes regulated by SIX6, a transcription factor associated with primary open-angle glaucoma. Podium presentation at Duke Ophthalmology Trainee Day Scientific Session. Durham, NC: June 19, 2015.
35. **Williams AM**, Rosdahl JA, Muir KW. Improving patient education materials about glaucoma with attention to low health literacy. Poster presentation at the Association for Research in Vision and Ophthalmology (ARVO) annual meeting. Denver, CO: May 4, 2015.
36. **Williams AM**, Anand N, Dawood M, O'Brien C, Pearce ZD, Hassan AS. Evaluation of mid-face descent in ectropion and entropion. Podium presentation at Michigan State University/Grand Rapids Medical Education Partners Annual Research Day. Grand Rapids, MI: April 23, 2014.
37. **Williams AM**, Mansour MA, Watson J. Simultaneous coronary artery bypass grafting and abdominal aortic aneurysm repair: a single-institution case series. Podium presentation at Michigan State University/Grand Rapids Medical Education Partners Annual Research Day. Grand Rapids, MI: April 25, 2013.

38. **Williams AM**, Allingham RR, Beckwith HS, Liu PJ, Santiago-Turla C, Muir KW. Patient and family attitudes about an eye donation registry for research. Poster presentation at the Annual Scientific Meeting of the Michigan State Medical Society. Troy, MI: October 26, 2012.

### Editorial Activities

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Ad-hoc reviewer for *American Journal of Ophthalmology*, *BMC Ophthalmology*, *Clinical Ophthalmology*, *Cornea*, *Digital Journal of Ophthalmology*, *Eye and Vision*, *Innovation in Aging*, *JAMA Ophthalmology*, *Journal of Glaucoma*, *Ophthalmology*, *Therapeutic Advances in Ophthalmology*, and *Translational Vision Science & Technology*

### Research Support

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- 2021-2023     Source: Research to Prevent Blindness/ American Academy of Ophthalmology Award for Intelligent Research in Sight (IRIS) Registry Research.  
Project title: “Loss to follow up among glaucoma patients: prevalence, risk factors and clinical outcomes.”  
Amount: \$35,000 (\$10,000 in direct funds to the investigator)  
Role: Principal Investigator
- 2021-2023     Source: American Glaucoma Society Mentorship for the Advancement of Physician Scientists Award.  
Project title: “Feasibility of a patient navigator program for glaucoma patients who ‘no show.’”  
Amount: \$10,000  
Role: Principal Investigator
- 2023            Source: Chandler-Grant Glaucoma Society, the David L. Epstein Clinician-Scientist Research Award  
Amount: \$10,000  
Role: Principal Investigator
- 2023-2026     Source: National Science Foundation  
Project title: “A bilevel optimization approach to integrating personalized treatment with healthcare resource planning.”  
Amount: \$327,988  
Role: co-Principal Investigator

### Teaching

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- 2018-2020     Instructor, medical student mini-elective in ophthalmology  
University of Pittsburgh School of Medicine
- 2018-2020     Instructor, ophthalmology lecture series for medical students  
University of Pittsburgh School of Medicine

- 2019 Instructor, clinical skills orientation for 1<sup>st</sup> year ophthalmology residents
- 2019 Course designer and instructor, “Interpreting visual fields” for 1<sup>st</sup> year residents
- 2020 Course director, “Introduction to buddy call” for 1<sup>st</sup>- and 2<sup>nd</sup>-year residents
- 2020-2021 Cataract surgery preceptor, Durham VA Medical Center
- 2022- Ophthalmology resident lectures at the University of Pittsburgh (each 1 hour)
1. Primary open angle glaucoma, normal tension glaucoma, and glaucoma suspect
  2. Microinvasive glaucoma surgery
  3. Clinical trials in glaucoma
- 2023 Speaker, Ophthalmology Interest Group, Univ. of Pittsburgh School of Medicine

## Mentoring

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### Undergraduate at the University of Pittsburgh

- 2023- Pooja Tallapaneni (follow up after vision screening)

### Medical students at the University of Pittsburgh School of Medicine:

- 2021- Sarah Atta, Haniah Zaheer, Owen Clinger (barriers to care, reminder messages)
- 2022- Arman Zanegar, André Stone (patient navigator project)
- 2022- Sam Rosen (no-show characteristics; funded on Pitt Dean Summer Research Grant)
- 2022 Ali Syed (visiting student on 1-month clinical rotation in July 2022)
- 2023- Sydney DeVore (social factors & cataract; funded on Dean Summer Research Grant)
- 2023- Amy Yu (effect of low vision devices on quality of life)
- 2023- Natasha Mayer (transportation needs and ophthalmic outcomes)
- 2023- Emely (Tati) Carmona (area deprivation and diabetic retinopathy) 2022
- 2023 Matthew Camacho (visiting student on 1-month clinical rotation in October 2023)

### Residents in the University of Pittsburgh Ophthalmology Program:

- 2020- Patrick Commiskey, MD (COVID-19 video visit outcomes)
- 2021- Tadhg Schempf, MD (loss to follow up and glaucoma knowledge projects)
- 2022- Matthew Sommers, MD (contacting no-show patients in glaucoma)
- 2023- Doowon Huh, MD (reminder messages for no-show patients)

### Postdoctoral associate:

- 2022- Lauren Wasser, MD

## Thesis Committee Work:

2022- Morgan Brzozowski, Master's candidate in genetic counseling.  
Project: "Patient uptake and satisfaction with genetic counseling service delivery models in adults with retinal dystrophies"

### Glaucoma Fellow Teaching

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## University of Pittsburgh:

2021-2022 Thomas Berk, MD, and Shelley Mo, MD  
2022-2023 Ahmed Ahmed, MBBS, and Tyler Berger, MD  
2023-2024 Zachary Nadler, MD, and Tadhg Schempf, MD

### Activities

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2007-2010 Director of Online Business, *Yale Daily News*  
2010 Counselor, Yale University Summer Session  
2011-2012 Admissions Interviewer, Michigan State University College of Human Medicine  
2011-2013 Speaker Series Coordinator, Executive Board Member, Surgery Interest Group  
Michigan State University College of Human Medicine  
2012-2013 Co-President, Student Research Interest Group  
Michigan State University College of Human Medicine  
2016-2017 Transitional Year Representative (Alternate), House Staff Counsel  
University of Pittsburgh Medical Center  
2017-2019 Class Representative for the ophthalmology residency program  
University of Pittsburgh Medical Center  
2017-2018 Resident Interviewer for the ophthalmology residency program  
University of Pittsburgh Medical Center  
2017-2020 Member, Program Evaluation Committee, ophthalmology residency program  
University of Pittsburgh Medical Center  
2019-2020 Member, Acute Care Clinic Task Force, ophthalmology residency program  
University of Pittsburgh Medical Center  
2021- Selection committee member, glaucoma fellowship program  
University of Pittsburgh  
2021- Residency application reviewer, ophthalmology residency program  
University of Pittsburgh Medical Center  
2021- Managing editor, biannual newsletter of the Chandler-Grant Glaucoma Society  
11/2021 Virtual Moderator, American Academy of Ophthalmology Annual Meeting,  
Glaucoma Subspecialty Day (by invitation)

## Volunteer Work

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- 2008-2010     Mentor, Minorities in Medicine Movement
- 2013             Group Leader, Bridging the Gap for the Underserved in Medicine
- 2017-2019     Resident Volunteer, The Guerrilla Eye Service
- 2019             Co-Chair, VisionWalk Pittsburgh for Foundation Fighting Blindness
- 2021-           Co-Organizer, Mission of Mercy Vision Screening Event (2021 and 2022)