

Andrew M. Williams, M.D.

Resident Physician
Department of Ophthalmology
University of Pittsburgh Medical Center
Pittsburgh, PA

Education

- 2011 B.A. in History of Science, History of Medicine (with Distinction)
Yale University • New Haven, CT
- 2016 M.D. (Alpha Omega Alpha)
Michigan State University College of Human Medicine • East Lansing, MI

Predoctoral Fellowship

- 2014-2015 Research Fellowship, Glaucoma
Duke University Eye Center, Duke Molecular Physiology Institute • Durham, NC

Postdoctoral Training

- 2016-2017 Transitional Year Internship
University of Pittsburgh Medical Center • Pittsburgh, PA
- 2017-2020 Residency in Ophthalmology
University of Pittsburgh Medical Center • Pittsburgh, PA

Honors and Awards

- 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 and Ear Foundation
- 2018 Heed Ophthalmic Foundation Resident Retreat Honoree

Publications

1. 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.
2. **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/>
3. 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.
4. 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.
5. **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.
6. **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.
7. **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.

8. **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>
9. **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.
10. Davies I, **Williams AM**, Muir KW. Aids for eye drop administration. *Survey of Ophthalmology* 2017; 62(3),332-345. PMID: 28011246.
11. **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.
12. **Williams AM**, Liu PJ, Muir KW, Waxman EL. Behavioral economics and diabetic eye exams. *Preventive Medicine* 2018; 112,76-87. PMID: 29626555.
13. **Williams AM** and Muir KW. Awareness and attitudes toward corneal donation: challenges and opportunities. *Clinical Ophthalmology* 2018;12,1049-1059. PMID: 29922034.
14. 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* (forthcoming). *Equal contribution.
15. 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* (forthcoming).

Book Chapter

1. **Williams AM**, Muir KW. "Pigmentary Glaucoma." In: *Ophthalmology*. Eds. Yanoff & Duker. 5th ed. Philadelphia: Saunders (forthcoming).

Presentations

1. **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.
2. **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.

3. **Williams AM**, Anand N, Mahomed 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.
4. **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.
5. **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.
6. **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.
7. **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.
8. **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.
9. **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.
10. **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.
11. **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.
12. **Williams AM** and 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.

Editorial Activities

Ad-hoc reviewer, *Eye and Vision*

Teaching

- 2012-2013 Tutor, Lab Attendant, and Suturing Instructor
 Courses: Anatomy, Epidemiology and Biostatistics, Medical Neuroscience,
 Microbiology and Immunology, Preclinical Surgery Elective
 Michigan State University College of Human Medicine
- 2014-2015 Graduate Student Mentor
 Duke University Graduate Program in Genetics and Genomics
- 2017-present Instructor in Ophthalmology
 University of Pittsburgh School of Medicine
- 2018-present Instructor, medical student mini-elective in ophthalmology
 University of Pittsburgh School of Medicine

Activities

- 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
- 2017-2018 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

Volunteer Work

- 2008-2010 Mentor, Minorities in Medicine Movement
- 2011-2012 Mentor, FitKids 360
- 2012 Volunteer, Healthy Eats
- 2012 Volunteer, My Team Triumph of West Michigan
- 2013 Group Leader, Bridging the Gap for the Underserved in Medicine
- 2013 Suture Lab Station Leader, Prescription for Medicine
- 2017-present Resident Volunteer, The Guerrilla Eye Service