

Maria Anneke Woodward, M.D., M.Sc.

Alan Sugar, M.D. Research Professor of Ophthalmology and Visual Sciences
Associate Professor of Ophthalmology and Visual Sciences
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Education and Training

Education

08/1995 - 05/1999 Bachelor of Science in Molecular Biophysics & Biochemistry, Yale University, New Haven, United States
08/2000 - 05/2004 Doctor of Medicine, Columbia University, New York, United States
06/2014 - 04/2016 Master of Science in Health and Healthcare Research, University of Michigan, Ann Arbor, United States

Postdoctoral Training

07/2004 - 06/2005 Internship, Transitional Year in Medicine, Emory University School of Medicine, Department of Medicine, Atlanta, Georgia
07/2005 - 06/2008 Residency, Ophthalmology, Emory University School of Medicine, Department of Ophthalmology, Atlanta, Georgia
07/2008 - 06/2009 Clinical Fellow, Cornea, External Disease, Refractive Surgery, Emory University School of Medicine, Department of Ophthalmology, Atlanta, Georgia

Certification And Licensure

Certification

2009-Present American Board of Ophthalmology, Ophthalmology

Licensure

2010-06/2026 Michigan, Medical License #4301096475
2010-05/2026 Michigan, Controlled Substance #5315045446
2010-06/2026 Michigan, Pharmacy License

Work Experience

Academic Appointment

2009-2010 Assistant Professor of Ophthalmology and Visual Sciences, Department of Ophthalmology, Emory University, Atlanta, GA

2010-2014	Clinical Lecturer, Department of Ophthalmology and Visual Sciences, University of Michigan School of Medicine, Ann Arbor, MI
2013-Present	Faculty Associate, University of Michigan Institute for Healthcare Policy and Innovation, Ann Arbor, MI
2014-Present	Faculty Associate, Global REACH (Research, Education, and Collaboration in Health), University of Michigan, Ann Arbor, MI
2014-2020	Assistant Professor, Department of Ophthalmology and Visual Sciences, University of Michigan, Ann Arbor, MI
2020-Present	Associate Professor, Department of Ophthalmology and Visual Sciences, University of Michigan School of Medicine Kellogg Eye Center, Ann Arbor, MI

Administrative Appointment

2019-Present	Chief of Service, Cornea, External Disease, & Refractive Surgery, University of Michigan Kellogg Eye Center, Ann Arbor, MI
2019-Present	Director, Technology-Based Eye Care Services, Veterans Administration Ann Arbor Healthcare System, Ann Arbor, MI

Clinical Appointments

2009-2010	Staff Physician, Section of Cornea, External Disease, & Refractive Surgery, Emory Healthcare - Emory Eye Center, Atlanta, GA
2010-Present	Staff Physician, Veterans Administration Ann Arbor Healthcare System, Department of Ophthalmology and Visual Sciences, Veterans Administration Ann Arbor Healthcare System, Ann Arbor, MI
2010-Present	Staff Physician, Section of Cornea, External Disease, and Refractive Surgery, Department of Ophthalmology and Visual Sciences, University of Michigan Kellogg Eye Center, Ann Arbor, MI

Research Interests

- eHealth and Anterior Eye Diseases
- Microbial Keratitis
- Corneal Transplantation: Eye Bank Practices

Clinical Interests

- Subspecialty: Cornea
- Comprehensive eye care
- Cataract surgery
- Corneal transplantation
- Medical and surgical management of anterior segment diseases
- Corneal infections

Grants

Current Grants

5P30EY00700337: *University of Michigan Vision Research Center:*

Co-I: **Maria Woodward** (Principal Investigator: David Antonetti)

NIH-DHHS-US

09/2022 - 06/2027

5D43TW01202703: *Building Non-Communicable Eye Disease Research Capacity in India:*

Consultant: **Maria Woodward** on (Principal Investigator: David Musch)

NIH-DHHS-US

09/2021 - 07/2026

5U01DP0064420500: *Sustainable Community Clinic Telemedicine-Based Glaucoma Screening:*

Co-I: **Maria Woodward** (Principal Investigator: Paula Newman-Casey)

CDCP-DHHS-US

09/2019 - 09/2024

R01EY031033: *Quantifying Microbial Keratitis to Predict Outcomes: An Imaging and Epidemiologic Approach:*

PI: **Maria Woodward**

NIH-DHHS-US

03/2020 - 07/2024

Technology-based Eye Care Services (TECS) for Ann Arbor Medical Center:

PI: **Maria Woodward**

Veterans Administration Office of Rural Health (ORH)

09/2019 - 09/2027

Past Grants

A New Mentorship Program for Ophthalmology Residents: A Look at Who Applies:

MPI: **Maria Woodward**

American Academy of Ophthalmology, Minority Ophthalmology Mentoring program

10/2022 - 09/2023

Developing Standardized Quality Metrics Following Corneal Transplantation Using a Delphi Technique:

Co-I: **Maria Woodward**

EBAA Pilot Research Grant

07/2022 - 06/2023

Automated Quantitative Ulcer Analysis Study: Diagnosing Organism Type:

PI: **Maria Woodward**

Res to Prevent Blindness, Inc.

01/2021 - 12/2022

UL1TR002240: *Quantifying Microbial Keratitis:*

PI: **Maria Woodward**

MICHR Pilot Grant Program. Promoting Progress in Statistics Award (ProPS)

05/2020 - 04/2021

ANAMEN Funding Agreement: *University of Michigan Assessment of Native American Michiganders' Eyecare Needs (ANAMEN):*

MPI: **Maria Woodward**

Paula Newman-Casey(MPI);Richard Hirth(MPI)

The Seva Foundation

01/2020 - 01/2021

Acute Eye Infections Managed in Primary Care Settings: Identifying At-Risk Patients and Clinical Risk Factors:

PI: **Maria Woodward**

BCBSF

07/2019 - 12/2020

002790.II.: *Acute Eye Infections Managed in Primary Care Settings: Identifying At-Risk Patients and Clinical Risk Factors:*

PI: **Maria Woodward**

Blue Cross Blue Shield of Michigan Foundation

07/2019 - 12/2020

Computerized Measurement Tools for Corneal Ulcers:

PI: **Maria Woodward**

Alliance for Vision Research

07/2018 - 06/2019

Telemedicine and Refractive Error:

PI: **Maria Woodward**

Warby Parker

02/2018 - 12/2018

AWD005783:U10: *Zoster Eye Disease Study:*

Co-I: **Maria Woodward**

National Eye Institute

07/2017 - 06/2020

2017 EBAA/Richard Lindstrom Research Grant: *Prospective Evaluation of Corneal Tissue from Victims of Drowning:*

PI: **Maria Woodward**

Eye Bank Association of America

07/2017 - 06/2018

Optical Coherence Tomography for Anterior Eye Diseases:

PI: **Maria Woodward**

Alliance for Vision Research

01/2017 - 12/2017

Development of Clinical Tools for Telemedicine in Ophthalmology:

PI: **Maria Woodward**

Alliance for Vision Research

05/2016 - 05/2018

Re-Design of Diabetic Retinopathy Patient Materials:

MPI: **Maria Woodward**; Paula Newman-Casey

Intelligent Retinal Imaging Systems (IRIS)

05/2016 - 12/2016

Smartphone-Based Retinal Imaging for Screening of Eye Disease:

MPI: **Maria Woodward**

U-M Michigan Translational Research and Commercialization of Life Sciences Program

02/2016 - 01/2018

Deep-Monitoring Chronic Disease in Underserved and Remote Populations:

Co-I: **Maria Woodward**

Third Century Initiative: Global

06/2015 - 07/2018

U049717: *3D Plenoptic Imaging in Medical Diagnostics:*

MPI: **Maria Woodward**

University of Michigan MCubed

01/2015 - 01/2017

U045828: *MISight Portable Eye Camera:*

PI: **Maria Woodward**

Fostering Innovation Grant

01/2014 - 01/2015

5K23EY02359605: *Telemedicine For Anterior Eye Diseases:*

PI: **Maria Woodward**

NIH-DHHS-US

09/2013 - 02/2019

Trends in endothelial and penetrating keratoplasty for treatment of corneal endothelial disease:

Consultant: **Maria Woodward** on (Principal Investigator: Roni Shtein)

Eversight Michigan

07/2013 - 06/2015

Tissue Processing Techniques for Ultra -Thin Descemet's Stripping Endothelial Keratoplasty:

PI: **Maria Woodward**

Midwest Eye Banks

07/2012 - 08/2013

Eye Bank Preparation of Donor Tissue for Descemet's Membrane Endothelial Keratoplasty:

Participating Investigator without Specified Effort

Consultant: **Maria Woodward** on (Principal Investigator: Shahzad Mian)

Eversight Michigan

07/2012 - 06/2015

Tissue Processing Techniques for Ultra-thin Descemet's Stripping Endothelial Keratoplasty:

PI: **Maria Woodward**

Eversight Michigan

07/2012 - 06/2014

12-PAF05339/ N015302: *DMEK Tissue Preparation:*

Co-I: **Maria Woodward**

Midwest Eye-Banks Grant

07/2012 - 06/2013

Effect of Time on Endothelial Health in DSAEK Preparation:

PI: **Maria Woodward**

Richard Lindstrom Research Grant

01/2012 - 01/2013

Corneal Donor Tissue Processing Techniques:

PI: **Maria Woodward**

Anthony P. Adams Scholar Grant

01/2011 - 01/2012

P/G U034455: *Visual Outcomes and Surgical Techniques for Descemet's Stripping Automated Endothelial Keratoplasty:*

PI: **Maria Woodward**

Center for Research on Learning and Training: Lecturers' Professional Development Grant

01/2011 - 01/2012

Patents / Disclosures

Disclosure

Granted

01/2021

Smartphone Photos of Anterior Eye, Invention Report #2021-372, Author, **Woodward MA**

01/2021

Eye Symptom Questionnaire, Author, **Woodward MA**

Honors and Awards

National

2007	AMO Residency Writers Award Program: Second Place Prize, AMO
2009	Best Paper of Session: Patient Dissatisfaction with Multifocal Intraocular Lenses, American Society of Cataract and Refractive Surgery
2010	Best Paper Session: Ocular Response Analyzer Evaluation After Collagen Cross-linking for Corneal Ectasia, American Society of Cataract and Reflective Surgery
2015	Achievement Award, American Academy of Ophthalmology
2017 - 2018	ARVO Leadership Development Program for Women, Association for Research in Vision and Ophthalmology, Mentor Anne Coleman, MD, MPH
2019 - 2020	Health Policy Leadership Development Fellowship Recipient, Cornea Society
2020 - 2022	Leadership Development Program, American Academy of Ophthalmology
2021	Secretariat Award, American Academy of Ophthalmology
2022	Senior Achievement Award, American Academy of Ophthalmology
2022 - 2023	Deputy Section Lead, American Academy of Ophthalmology

Institutional

2004	Alvin Behrens Memorial Fund Award: Outstanding Graduate Entering Ophthalmology, Columbia University College of Physicians & Surgeons
2007 - 2008	Chief Resident, Emory University, Department of Ophthalmology
2013	Bartly R. Frueh Surgical Teaching Award, University of Michigan
2017	Biomedical Innovation Cup, Winner - Cellscope Retina, University of Michigan
2017	Colleen Conway Grace, MD Lectureship, University of Maryland, Department of Ophthalmology and Visual Sciences
2018	Token of Appreciation from Medical Students (TAMS) Award, University of Michigan Medical School
2021	Token of Appreciation from Medical Students (TAMS) Award, University of Michigan Medical School
2023 - 2024	Rudi Ansbacher Advancing Women in Academic Medicine Leadership Scholar, University of Michigan

Memberships in Professional Societies

2000 - 2004	American Medical Student Association
2000 - 2008	American Medical Association
2004 - Present	Association for Research in Vision and Ophthalmology (ARVO)

2005 - Present	American Academy of Ophthalmology
2006 - Present	American Society of Cataract and Refractive Surgeons
2006 - 2008	Political Action Committee, Medical Association of Georgia
2006 - 2010	Georgia Society of Ophthalmology
2009 - 2010	European Society of Cataract and Refractive Surgeons
2010 - Present	R. Townley Paton Society
2010 - Present	The Cornea Society: Member with Thesis
2010 - Present	Member, Michigan Society of Eye Physicians and Surgeons
2018 - Present	Detroit Ophthalmology Club

Study Sections, Editorial Boards, Journal & Abstract Review

Editorial Boards / Journal & Abstract Reviews

Editorial Boards

2015 - 2017	Editorial Board, American Academy of Ophthalmology EyeWiki
2017 - 2018	Associate Editor, BMC Ophthalmology
2017 - 2018	Lead Editor, Cornea & External Disease, American Academy of Ophthalmology EyeWiki
2018 - present	Associate Editor, International Journal of Eye Banking
2019 - 2021	Co-Editor, Survey of Ophthalmology Public Health and the Eye
2020 - 2021	Assistant Editor, Cornea Journal
2021 - present	Senior Editor, Cornea Journal
2021 - present	Advisory committee to the editor, JAMA Ophthalmology

Journal Review

2009 - present	Clinical Ophthalmology
2009 - present	Eye
2009 - present	Journal of Cataract and Refractive Surgery
2009 - present	Journal of Refractive Surgery
2009 - present	Cornea
2011 - present	JAMA Ophthalmology
2012 - present	Ophthalmology
2013 - present	Journal of the American Medical Association
2014 - present	PLOS ONE
2016 - present	Translational Vision Science and Technology
2016 - present	American Journal of Ophthalmology
2017 - present	British Journal of Ophthalmology
2017 - present	Survey of Ophthalmology

Committee/Service

International

2020 - present Board, The Cornea Society, Member
2023 - present World Cornea Congress IX program committee, Cornea Society, Member
2024 - present Advocacy Committee, Cornea Society Board, Chair

National

2011 - 2018 Career Development Committee, Eye Bank Association of America, Member
2012 - 2016 Clinical Education Committee, American Academy of Ophthalmology, Member
2012 - 2024 Research Committee, Eye Bank Association of America, Member
2013 - 2021 Michigan Eye Bank, Eversight Eye Banks, Other, Medical Director
2014 - 2021 Research Committee, Eversight Eye Banks, Member
2015 - 2020 Telemedicine Task Force, American Academy of Ophthalmology, Member
2016 - 2018 Research Committee, Eye Bank Association of America, Vice Chair
2016 - 2020 Medical Advisory Board, Antifungal Supplementation RFP Selection Subcommittee, Eye Bank Association of America, Advisory Board
2017 Special Emphasis Panel for National Cancer Institute, National Institute of Health, Member
2017 - 2019 Women in Eye in Vision Research, Association for Research in Vision and Ophthalmology, Other, Participant and Drop-in Mentor
2017 - 2022 Research, Regulatory & External Scientific Relations Committee, American Academy of Ophthalmology, Other, Member
2018 – 2021 Ophthalmic Advocacy Leadership Group, American Academy of Ophthalmology, Other, Cornea Society representative
2018 - 2020 Research Committee, Eye Bank Association of America, Chair
2018 - 2020 Cornea Graft Registry Steering Committee, American Academy of Ophthalmology, Other, Member
2019 - 2019 Special Emphasis Panel, National Eye Institute, Member
2019 - 2021 IRIS Database Research Committee, American Academy of Ophthalmology, Member
2020 - present Troutman Prize Selection Committee, Cornea Society, Member
2020 Special Emphasis Panel, National Eye Institute, Member
2020 - 2024 Dermatologic and Ophthalmic Drugs Advisory Committee, Food and Drug Administration, Member
2020 - 2024 Research Committee, Eye Bank Association of America
2021 - present IRIS Registry Analytics Committee, American Academy of Ophthalmology, Member
2021 - 2022 Council Leadership, Subspecialty/Specialized Section Nominating Committee, American Academy of Ophthalmology, Member

2022 - present Claes H. Dohlman Fellow Award Selection Committee, Cornea Society, Member

Departmental

2007 - 2008 Education Committee, Emory University Department of Ophthalmology, Other, Chief Resident Representative

2007 - 2008 Residency Selection Committee, Emory University Department of Ophthalmology, Other, Chief Resident Representative

2009 - 2010 Residency Selection Committee, Emory University Department of Ophthalmology, Member

2009 - 2010 Education Committee, Emory University Department of Ophthalmology, Member

2010 - 2013 Residency Selection Committee, University of Michigan Department of Ophthalmology, Member

2011 - present Faculty Career Committee, University of Michigan Department of Ophthalmology, Advisor

2011 - 2013 Fellowship Committee, University of Michigan Department of Ophthalmology, Director

2011 - 2013 Education Committee, University of Michigan Department of Ophthalmology, Member

2012 - present Health Services Research Workgroup, University of Michigan Department of Ophthalmology, Member

2012 - 2013 Oculoplastics Faculty Selection Committee, University of Michigan Department of Ophthalmology, Member

2012 - 2013 Faculty Strategic Planning Committee, University of Michigan Department of Ophthalmology, Member

2012 - 2015 Marketing and Communications, University of Michigan Department of Ophthalmology, Advisory Board

2013 – 2021 Goldsmith Medical Student Award in Ophthalmology, University of Michigan Department of Ophthalmology, Member

2013 - present Kellogg Eye Center for eHealth, University of Michigan Department of Ophthalmology, Other, Strategic Director

2013 - 2014 Pediatric Faculty Selection Committee, University of Michigan Department of Ophthalmology, Member

2016 - 2017 Faculty Strategic Planning Committee, University of Michigan Department of Ophthalmology, Member

2016 - 2017 Cornea Clinical Faculty Selection Committee, University of Michigan Department of Ophthalmology, Member

2018 - 2019 Cornea Research Faculty Selection Committee, University of Michigan Department of Ophthalmology, Co-Chair

2018 - 2019 Research Imaging Faculty Selection Committee, University of Michigan Department of Ophthalmology, Member

2020 - 2021 Cornea, External Disease, Refractive Surgery Fellowship Committee, University of Michigan Department of Ophthalmology, Director

2020 - 2021 Cornea Clinical Faculty Selection Committee, University of Michigan Department of Ophthalmology, Member

Institutional

2014 - present Institute for Healthcare Policy and Innovation, University of Michigan, Other, Faculty Associate

2014 - present Global REACH, University of Michigan, Other, Faculty Associate

2014 - 2015 Disruptive Innovation Program Task Force, University of Michigan Care @ Home, Member

2015 - present Educational Excellence and Scholarship Committee, Academy of Medical Educators, Member

2016 - present Michigan Center for Diabetes Translational Research, University of Michigan, Other, Faculty Member

2016 - 2019 Early Career Faculty Advisory Council, University of Michigan Institute for Healthcare Policy and Innovation (IHPI), Member

2016 - 2021 Eye Bank Fellowship, University of Michigan, Director

2018 Early Career Development Workshop, University of Michigan Institute for Healthcare Policy and Innovation (IHPI), Co-Lead

2018 - 2020 Mentoring Program, Kellogg Eye Center, Other, Chair

2019 - present Technology-based Eye Care Services (TECS), Ann Arbor Veterans Affairs Medical Center, Director

2020 – 2021 Faculty Success Program, Michigan Medicine, Other, Co-developer and Lead

2021 - present Faculty Launch Program, University of Michigan, Other, Covener

Volunteer

2011 - present Volunteer, Kellogg Eye Center, Hope Eye Clinic

2017 - present Member, Oakland County, Impact 100 Oakland County

2017 - present Impact 100 Oakland County, Member

2021 Kirk in the Hills, Sunday School Teacher

Peer-Reviewed

Journal Articles

1. **Woodward MA**, Randleman JB, Larson PM: In vivo confocal microscopy of polymorphic amyloid degeneration and posterior crocodile shagreen. *Cornea*. 2007, 26: 98-101. PM17198022
2. **Woodward MA**, Randleman JB: Bilateral methicillin-resistant Staphylococcus aureus keratitis after photorefractive keratectomy. *J Cataract Refract Surg*. 2007, 33: 316-319. PM17276277
3. Randleman JB, Wolfe JD, **Woodward MA**, Lynn MJ, Cherwek DH, Srivastava SK: Resident Surgeon Phacoemulsification Learning Curve. *Archives of Ophthalmology*. 2007, 125: 1215-1219. PM17846361

4. **Woodward MA**, Newman NJ, Biousse V: Angiographic shaded surface display artifact falsely suggests ophthalmic artery stenosis. *J Neuroophthalmol.* 2007, 27: 241-242. PMID17895827
5. Randleman JB, **Woodward MA**, Lynn MJ, Stulting RD: Risk assessment for ectasia after corneal refractive surgery. *Ophthalmology.* 2008, 115: 37-50. PMID17624434
6. Bengtzen R, **Woodward MA**, Lynn MJ, Newman NJ, Biousse V: The "sunglasses sign" predicts nonorganic visual loss in neuro-ophthalmologic practice. *Neurology.* 2008, 70: 218-21. PMID18195266
7. **Woodward MA**, Randleman JB, Russell B, Lynn MJ, Ward MA, Stulting RD: Visual rehabilitation and outcomes for ectasia after corneal refractive surgery. *J Cataract Refract Surg.* 2008, 34: 383-388. PMID18299061
8. **Woodward MA**, Randleman JB, Stulting RD: Dissatisfaction after multifocal intraocular lens implantation. *J Cataract Refract Surg.* 2009, 35: 992-997. PMID19465282
9. Sood P, **Woodward MA**: Patient acceptability of the Tecnis multifocal intraocular lens. *Clin Ophthalmol.* 2011, 5: 403-410. PMID21499564
10. **Woodward MA**, Edelhauser HF: Corneal endothelium after refractive surgery. *J Cataract Refract Surg.* 2011, 37: 767-777. PMID21420604
11. Bromley JG, **Woodward MA**, Grossniklaus HE: Mycobacterium avium Complex Conjunctival Granuloma in a Human Immunodeficiency Virus–Positive Patient. *Arch Ophthalmol.* 2011, 129: 1609.
12. Khandelwal SS, **Woodward MA**, Hall T, Grossniklaus HE, Stulting RD: Treatment of microsporidia keratitis with topical voriconazole monotherapy. *Arch Ophthalmol.* 2011, 129: 509-510. PMID21482878
13. **Woodward MA**, Titus M, Mavin K, Shtein RM: Corneal donor tissue preparation for endothelial keratoplasty. *J Vis Exp.* 2021, 64: e3847. PMID22733178
14. Wilkinson JE, Burmeister L, Brooks SV, Chan C-C, Friedline S, Harrison DE, Hejtmancik JF, Nadon N, Strong R, Wood LK, **Woodward MA**, Miller RA: Rapamycin slows aging in mice. *Aging Cell.* 2012, 11: 675-682. PMID22587563
15. Laird PW, **Woodward MA**, Williams JG, Lee WB, Grossniklaus HE: Cystic benign melanosis of the conjunctiva. *Cornea.* 2012, 31: 1273-1277. PMID23044615
16. **Woodward MA**, Raoof-Daneshvar D, Mian S, Shtein RM: Relationship of visual acuity and lamellar thickness in descemet stripping automated endothelial keratoplasty. *Cornea.* 2013, 32: e69-e73. PMID23132458
17. Fante RJ, Shtein RM, Titus MS, **Woodward MA**: Anterior segment optical coherence tomography versus ultrasound pachymetry to measure corneal thickness in endothelial keratoplasty donor corneas. *Cornea.* 2013, 32: e79-e82. PMID23238397
18. **Woodward MA**, Ross KW, Requard JJ, Sugar A, Shtein RM: Impact of surgeon acceptance parameters on cost and availability of corneal donor tissue for transplantation. *Cornea.* 2013, 32: 737-740. PMID23073493
19. Ple-plakon PA, Shtein RM, Musch DC, Blachley T, Saponara F, **Woodward MA**: Tissue Characteristics and Reported Adverse Events After Corneal Transplantation. *Cornea.* 2013, 32: 1339-1343. PMID23974898
20. Hood CT, **Woodward MA**, Bullard ML, Shtein RM: Influence of preoperative donor tissue characteristics on graft dislocation rate after Descemet stripping automated endothelial keratoplasty. *Cornea.* 2013, 32: 1527-1530. PMID24145636
21. Peron T, Shtein RM, Titus MS, **Woodward MA**: Tissue Processing for Ultra-Thin Descemet Stripping Automated Endothelial Keratoplasty. *Int J Eye Banking.* 2014, 2: 1-5.
22. **Woodward MA**, Titus MS, Shtein RM: Effect of microkeratome pass on tissue processing for Descemet stripping automated endothelial keratoplasty. *Cornea.* 2014, 33: 507-509. PMID24619169

23. Boynton GE, **Woodward MA**: Eye-bank preparation of endothelial tissue. *Curr Opin Ophthalmol*. 2014, 25: 319-324. PM24837574
24. Peeler CE, Dhakhwa K, Mian SI, Blachley T, Patel S, Musch DC, **Woodward MA**: Telemedicine for corneal disease in rural Nepal. *J Telemed Telecare*. 2014, 20: 263-266. PM24906650
25. Tausif HN, Johnson L, Titus M, Mavin K, Chandrasekaran N, **Woodward MA**, Shtein RM, Mian SI: Corneal donor tissue preparation for Descemet's membrane endothelial keratoplasty. *J Vis Exp*. 2014, 17: 51919. PM25285525
26. Hussain M, Shtein RM, Sugar A, Soong HK, **Woodward MA**, DeLoss K, Mian SI: Long-term use of autologous serum 50% eye drops for the treatment of dry eye disease. *Cornea*. 2014, 33: 1245-1251. PM25299423
27. Tozer K, **Woodward MA**, Newman-Casey PA: Telemedicine and Diabetic Retinopathy: Review of Published Screening Programs. *J Endocrinol Diabetes*. 2015, 2: 10.15226/2374-6890/2/4/00131. PM27430019
28. Boynton GE, **Woodward MA**: Evolving Techniques in Corneal Transplantation. *Curr Surg Rep*. 2015, 3. PM26101726
29. **Woodward MA**, Ple-Plakon P, Blachley T, Musch DC, Newman-Casey PA, De Lott LB, Lee PP: Eye care providers' attitudes towards tele-ophthalmology. *Telemed J E Health*. 2015, 21: 271-273. PM25635290
30. Bashshur RL, Shannon GW, Smith BR, **Woodward MA**: The empirical evidence for the telemedicine intervention in diabetes management. *Telemed J E Health*. 2015, 21: 321-354. PM25806910
31. Guo W, **Woodward MA**, Heisler M, Blachley T, Corneail L, Cederna J, Kaplan AD, Newman Casey PA: Risk Factors for Visual Impairment in an Uninsured Population and the Impact of the Affordable Care Act. *Clin Surg*. 2016, 1. PM28593201
32. **Woodward MA**, Blachley TS, Stein JD: The Association Between Sociodemographic Factors, Common Systemic Diseases, and Keratoconus: An Analysis of a Nationwide Health Care Claims Database. *Ophthalmology*. 2016, 123: 457-65.e2. PM26707415
33. Wolle MA, Randleman JB, **Woodward MA**: Complications of Refractive Surgery: Ectasia After Refractive Surgery. *Int Ophthalmol Clin*. 2016, 56: 127-139. PM26938343
34. Todorich B, Thanos A, **Woodward MA**, Wolfe JD: Sutureless Intracocular Fixation of Secondary Intraocular Lens Using 27-Gauge Vitrectomy System. *Ophthalmic Surg Lasers Imaging Retina*. 2016, 47: 376-379. PM27065381
35. Nudleman E, Wolfe JD, **Woodward MA**, Yonekawa Y, Williams GA, Hassan TS: Worsening anatomic outcomes following aflibercept for neovascular age-related macular degeneration in eyes previously well controlled with ranibizumab. *Clin Ophthalmol*. 2016, 10: 1053-1057. PM27354759
36. Todorich B, Thanos A, Yonekawa Y, Mane G, Hasbrook M, Thomas BJ, **Woodward MA**, Williams GA, Capone A, Wolfe JD, Faia LJ, Hassan TS: Simultaneous dexamethasone intravitreal implant and anti-VEGF therapy for neovascular age-related macular degeneration resistant to anti-VEGF monotherapy. *J Vitreoretin Dis*. 2017, 1: 65-74. PM28553669
37. Davila JR, Sengupta SS, Niziol LM, Sindal MD, Besirli CG, Upadhyaya S, **Woodward MA**, Venkatesh R, Robin AL, Grubbs J, Newman-Casey PA: Predictors of Photographic Quality with a Handheld Nonmydriatic Fundus Camera Used for Screening of Vision-Threatening Diabetic Retinopathy. *Ophthalmologica*. 2017, 238: 89-99. PM28675903
38. Valikodath NG, Fausett BV, Oren GA, Whitney K, **Woodward MA**, Mian SI: Impact of a Dedicated Research Rotation during Ophthalmology Residency. *J Acad Ophthalmol*. 2017, 9: e1-e6. PM30338312

39. **Woodward MA**, Bavinger JC, Amin S, Blachley TS, Musch DC, Lee PP, Newman-Casey PA: Telemedicine for ophthalmic consultation services: use of a portable device and layering information for graders. *J Telemed Telecare*. 2017, 23: 365-370. PM26936864
40. Valikodath NG, Leveque TK, Wang SY, Lee PP, Newman-Casey PA, Hansen SO, **Woodward MA**: Patient Attitudes Toward Telemedicine for Diabetic Retinopathy. *Telemed J E Health*. 2017, 23: 205-212. PM27336678
41. Valikodath NG, Newman-Casey PA, Lee PP, Musch DC, Niziol LM, **Woodward MA**: Agreement of Ocular Symptom Reporting Between Patient-Reported Outcomes and Medical Records. *JAMA Ophthalmol*. 2017, 135: 225-231. PM28125754
42. Stem MS, Todorich B, **Woodward MA**, Hsu J, Wolfe JD: Scleral-Fixated Intraocular Lenses: Past and Present. *J Vitreoretin Dis*. 2017, 1: 144-152. PM29104957
43. Valikodath NG, Wolle M, Sand D, Johnson L, **Woodward MA**. Tissue Processing Factors Influencing Descemet Stripping Automated Endothelial Keratoplasty Thickness and Endothelial Outcomes. *Int J Eye Banking*. 2017, 5: 1-4.
44. Thomas BJ, Mehta N, Yonekawa Y, Sridhar J, Kuriyan AE, Relhan N, Liang MC, **Woodward MA**, Witkin AJ, Shah C, Flynn HW, Garg SJ, Wolfe JD: Pars Plana Vitrectomy for Late Vitreoretinal Sequelae Of Infectious Endophthalmitis: Surgical Management and Outcomes. *Retina*. 2017, 37: 651-656. PM27465568
45. Parikh PC, Valikodath NG, Estopinal CB, Shtein RM, Sugar A, Niziol LM, **Woodward MA**: Precision of Epithelial Defect Measurements. *Cornea*. 2017, 36: 419-424. PM28129296
46. Stagg BC, Shah MM, Talwar N, Padovani-Claudio DA, **Woodward MA**, Stein JD: Factors Affecting Visits to the Emergency Department for Urgent and Nonurgent Ocular Conditions. *Ophthalmology*. 2017, 124: 720-729. PM28159379
47. Shah AR, Yonekawa Y, Todorich B, Van Laere L, Hussain R, **Woodward MA**, Abbey AM, Wolfe JD: Prediction of Anti-VEGF Response in Diabetic Macular Edema After 1 Injection. *J Vitreoretin Dis*. 2017, 1: 169-174. PM29104958
48. Jeganathan VS E, Robin AL, **Woodward MA**: Refractive error in underserved adults: causes and potential solutions. *Curr Opin Ophthalmol*. 2017, 28: 299-304. PM28379859
49. Miller SE, Thapa S, Robin AL, Niziol LM, Ramulu PY, **Woodward MA**, Paudyal I, Pitha I, Kim TN, Newman-Casey PA: Glaucoma Screening in Nepal: Cup-to-Disc Estimate With Standard Mydriatic Fundus Camera Compared to Portable Nonmydriatic Camera. *American Journal of Ophthalmology*. 2017, 182: 99-106. PM28734816
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130. Killeen OJ, Niziol LM, Elam AR, Bicket AK, John D, Wood SD, Musch DC, Zhang J, Johnson L, Kershaw M, **Woodward MA**, Newman-Casey PA: Visual Impairment from Uncorrected Refractive Error among Participants in a Novel Program to Improve Eye Care Access among Low-Income Adults in Michigan. *Ophthalmology.* 2024, 131:349-359. PM37758028
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134. Hicks PM, Lin G, Newman-Casey PA, Niziol LM, Lu MC, **Woodward MA**, Elam AR, Musch DC, Mehdipanh R, Ehrlich JR, Rein DB: Place-based Measures of Inequity and Vision Difficulty and Blindness. *JAMA Ophthalmol*. In Press.
135. Hicks PM, Newman-Casey PA, **Woodward MA**: Findability, Accessibility, Interoperability, and Reusability Principles for Sex and Gender Data in Ophthalmology Trials. *JAMA Ophthalmol*. In press.
136. **Woodward MA**, Herzog JM, Verkade A: Ultraviolet Light is Not a Toy: Recreational Use and Eye Harm. *JAMA Ophthalmol*. In press.

Extramural Invited Presentation

Speaker

1. Clinical Applications of Confocal Microscopy, **Woodward MA**, Emory Cornea Conference, 01/2006, Atlanta, GA
2. Patient dissatisfaction with Multifocal Intraocular Lenses, **Woodward MA**, Cornea Grand Rounds, 01/2007, Atlanta, GA
3. Managing Unwelcome Outcomes in Refractive and Presbyopic Patients, **Woodward MA**, Cleveland Clinic, 01/2008, Cleveland, OH
4. Evaluation of Orbscan II Indices for Refractive Surgery Screening, **Woodward MA**, Emory Ophthalmology Department Senior Thesis Presentation, 06/2008, Atlanta, GA
5. Infections after refractive surgery, **Woodward MA**, Emory Cornea Conference, 11/2008, Atlanta, GA
6. Cataract surgery after radial keratotomy, **Woodward MA**, Emory Cornea Conference, 01/2009, Atlanta, GA
7. New frontiers in corneal evaluation, **Woodward MA**, Emory Research Day, 01/2009, Atlanta, GA
8. Understanding and Managing Unwelcome Outcomes, **Woodward MA**, Wayne State University, 01/2010, Detroit, MI
9. Update on Corneal Diseases, **Woodward MA**, Michigan Society of Eye Physicians And Surgeons Annual Conference, 01/2011, Mackinaw Island, MI
10. Anti-Disciplinary Needs-Based Design: Medical Innovation Fellowship As A Model For Healthcare Innovation, **Woodward MA**, International Surgical Week (ISW), 08/2011, Yokohama, Japan
11. Management of Salzmann's Nodular Degeneration, **Woodward MA**, Cornea Subspecialty Day. American Society of Cataract and Refractive Surgery, 01/2013, San Francisco, CA

12. Cornea Surgery Begins at the Eye Bank, **Woodward MA**, World Cornea Congress, 01/2015, San Diego, CA
13. Cornea 2016: Advancements in Cornea and External Disease: What's the Issue with Donor Tissue? Transmission of Disease, **Woodward MA**, Cornea Subspecialty Day. American Academy of Ophthalmology, 01/2016, Chicago, IL
14. Writing Stronger Research Grant Proposals & Scientific Abstracts, **Woodward MA**, Eye Bank Association of America, 01/2016, Webinar
15. Update on United States Eye Banking Research, **Woodward MA**, Aravind Eye Hospitals, 06/2016, Madurai, India
16. Telemedicine and Patient Focused Digital Applications, **Woodward MA**, American Academy of Ophthalmology, Mid-Year Forum, 04/2017, Washington, DC
17. Keratoconus and Systemic Diseases, **Woodward MA**, Cornea Connect. Aravind Eye Hospitals, 09/2017, Madurai, India
18. Eye banking in The United States, **Woodward MA**, Cornea Connect. Aravind Eye Hospitals, 09/2017, Madurai, India
19. A Challenging Case, **Woodward MA**, Cornea Connect. Aravind Eye Hospitals, 09/2017, Madurai, India
20. eHealth and Anterior Segment Diseases, **Woodward MA**, Colleen Conway Grace MD Memorial lectureship. University of Maryland, 10/2017, Baltimore, MD
21. Anterior Segment Trauma, **Woodward MA**, University of Maryland, 10/2017, Baltimore, MD
22. Mentorship, **Woodward MA**, University of Maryland, 10/2017, Baltimore, MD
23. Assessing Quality of Corneal Tissue: Current Evidence and Old Misconceptions, **Woodward MA**, Eye Bank Association of America, annual meeting, 06/2018, Philadelphia, PA
24. Acanthamoeba Keratitis: Are you Kidding? Double or Triple Them Up!, **Woodward MA**, Cornea 360, 04/2019, Phoenix, AZ
25. Improving Telemedicine Implementation - Guest of Honor and Hutchinson Lecturer, **Woodward MA**, New England Ophthalmological Society Annual Meeting, 06/2019, Boston, MA
26. Telemedicine and the Anterior Segment - Guest of Honor and Hutchinson Lecturer, **Woodward MA**, New England Ophthalmological Society annual meeting, 06/2019, Boston, MA
27. Safety and Effectiveness of Ophthalmic Telemedicine - Guest of Honor and Hutchinson Lecturer, **Woodward MA**, New England Ophthalmological Society annual meeting, 06/2019, Boston, MA
28. Artificial Intelligence and Telemedicine in Ophthalmology, **Woodward MA**, Women in Ophthalmology Annual Meeting, 08/2019, Coeur d'Alene, ID
29. Managing Post-LASIK and Other Ectasias, **Woodward MA**, American Academy of Ophthalmology Annual Meeting. Cornea Subspecialty Day, 10/2019, San Francisco, CA
30. Taste of the Summer Symposium: Artificial Intelligence and Telemedicine in Ophthalmology, **Woodward MA**, Women In Ophthalmology reception at American Academy of Ophthalmology, 10/2019, San Francisco, CA
31. Telemedicine During CoVID, **Woodward MA**, Michigan Society of Eye Physicians and Surgeons (MiSEPS), 04/2020, Ann Arbor, MI
32. Perspectives on Tele-Ophthalmology During the COVID-19 Pandemic, **Woodward MA**, Michigan Society of Eye Physicians and Surgeons, 08/2020, Virtual

33. Telemedicine, Newman-Casey PA, **Woodward MA**, Michigan Society of Eye Physicians and Surgeons Annual Meeting, 08/2020, Virtual
34. Do you see what I see?, **Woodward MA**, Massachusetts Eye & Ear Infirmary, Harvard Medical School, 12/2020, Cambridge, MA
35. Telehealth: Pandemic & Post-Pandemic, **Woodward MA**, Association of University Professors in Ophthalmology (AUPO), 02/2021, Virtual
36. Novel strategies to assess corneal ulcers in 2021, **Woodward MA**, University of Rochester Grand Rounds, 05/2021, Rochester, NY
37. Different Perspectives of the Cornea, **Woodward MA**, Kimura Lecture, University of California, San Francisco, 09/2021, San Francisco, CA
38. Infectious Keratitis, **Woodward MA**, Cornea Society Virtual Grand Rounds, 04/2022, Virtual
39. Deep Learning for Cornea, **Woodward MA**, American Society of Cataract and Refractive Surgery Annual Meeting, 04/2022, Washington, DC
40. Managing Cornea Ulcers in 2022, **Woodward MA**, University of Virginia., 06/2022, Charlottesville, VA
41. Wellness of Women Physicians. Women in Ophthalmology, **Woodward MA**, Women in Ophthalmology, 08/2022, Monterey, CA
42. Telemedicine in Corneal Management, **Woodward MA**, World Cornea Congress, 09/2022, Chicago, IL
43. Machine Learning for Corneal Infections, **Woodward MA**, New York University, 02/2023, New York, NY
44. Corneal Trauma, **Woodward MA**, New York University, 02/2023, New York, NY

Moderator

1. Eye Banking. Panel Moderator, **Woodward MA**, World Cornea Congress, 05/2020, Boston, MA
2. Cornea and Eye Banking Forum Moderator, **Woodward MA**, Eye Bank Association of America, 11/2020, Virtual

Panel

1. Mid-Year Forum Panelist, **Woodward MA**, American Academy of Ophthalmology, 01/2017, Washington D.C
2. Ophthalmic Digital Health Workshop Panelist, **Woodward MA**, Food and Drug Administration, 10/2017, Gaithersburg, MD
3. Digital Health and Telemedicine Session Panelist, **Woodward MA**, American Academy of Ophthalmology, 10/2018, Chicago, IL
4. Growing Your Career in Research. Expert Panel Session, **Woodward MA**, Women in Ophthalmology Annual Meeting, 08/2019, Coeur d'Alene, ID

Intramural Invited Presentation

Speaker

1. Multifocal Intraocular Lenses, **Woodward MA**, Kellogg Eye Center Annual Postgraduate Spring Conference, 04/2011, Ann Arbor, MI

2. Diagnosis from Afar: Telemedicine for Ophthalmology, **Woodward MA**, Kellogg Eye Center Alumni Day, 01/2013, Ann Arbor, MI
3. Digital After-hours Patient Care, Manry M, **Woodward MA**, Kellogg Eye Center Research Day, 01/2014, Ann Arbor, MI
4. Seeing the Human Eye in Four Dimensions: Pistons, Portabellas, and Patients, **Woodward MA**, MCubed Symposium, 11/2017, Ann Arbor, MI

Chapters

1. **Woodward MA**, Randleman JB: Corneal ectasia: management. In Krachmer JH, Mannis MJ, Holland EJ Eds. *Cornea*, Volume 2, 3rd Edition, Mosby Elsevier, (2009), 1889-1892
2. **Woodward MA**, Stulting RD: Treatment of keratoconus. In Henderson BA, Gills JP Ed. *A Complete Surgical Guide for Correcting Astigmatism: An Ophthalmic Manifesto*, 2nd Edition, Slack, Inc, (2009), 21-24
3. **Woodward MA**, Randleman JB: Chapter 168 Corneal Ectasia Management. In Krachmer, JH, Mannis MJ, Holland EJ Eds. *Cornea*, Elsevier, (2011), 1889-1892
4. Randleman JB, **Woodward MA**: Evaluation and diagnosis of postoperative corneal ectasia. In Randleman JB, Hafezi F Ed. *Collagen Cross-linking*, Elsevier, (2013), 31-38
5. Randleman JB, **Woodward MA**: Evaluation and Diagnosis of Postoperative Corneal Ectasia. In Randleman JB, Hafezi F Ed. *CORNEAL COLLAGEN CROSS-LINKING*, Elsevier, (2013), 31-38
6. **Woodward MA**, Mian S, Sugar A: Corneal degenerations. In Yanoff M, Duker J Ed. *Ophthalmology*, Elsevier, (2014)
7. **Woodward MA**: Acknowledgment for editorial work. In Randleman JB *Refractive Surgery: An interactive case-based series.*, Slack, Inc, (2014)
8. **Woodward MA**: Behavioral and neurologic disorders. In Ophthalmology AA O *Basic and Clinical Science Course series: Update on General Medicine*, American Academy of Ophthalmology., (2014)
9. **Woodward MA**: Medical emergencies. In Ophthalmology AA O *Basic and Clinical Science Course series: Update on General Medicine*, American Academy of Ophthalmology, (2014)
10. **Woodward MA**, Demill D: Current procedure. In Randleman JB, Hafezi F Ed. *Collagen Cross-linking*, Elsevier, (2015)
11. **Woodward MA**: Eye banking. In Albert DM *Principles and Practice of Ophthalmology*, Elsevier, (2017)
12. **Woodward MA**, DeMill DL, Price FW, Price MO: The Standard Protocol and Its Parameters. In Hafezi F, Randleman B Ed. *CORNEAL CROSS-LINKING*, Second Edition, Slack Incorporated, (2017)
13. **Woodward MA**, Mian S, Sugar A: Corneal degenerations. In Yanoff M, Duker J Ed. *Ophthalmology*, 5th, Elsevier, (2019)

Non-Peer Reviewed

Journal Article

1. **Woodward MA:** Review: Crosslinking for Keratoconus. *Cataract & Refractive Surgery Today Europe*. 2010
2. **Woodward MA:** Unusual cataract case presentation. *Cataract and Refractive Surgery Today*. 2012
3. Demill D, **Woodward MA:** Descemet Membrane Endothelial Keratoplasty. *American Academy of Ophthalmology*. 2015
4. Stem M, **Woodward MA:** Telemedicine for diabetic retinopathy. *Retinal Physician*. 11/2016
5. Li K, Chen J, **Woodward MA:** How the old-fashioned telephone could become a new way for some to see their doctor. *The Conversation*. 2020

Teaching Activity

National

01/2007-01/2007	Patient Dissatisfaction with Multifocal Intraocular Lenses. National Didactic Course - Annual Postgraduate Course - Atlanta, GA, Emory University Ophthalmology Department
01/2009-01/2014	Resident Phacoemulsification. National Didactic Course, American Academy of Ophthalmology, Course Instructor
01/2010-01/2010	Intraocular lenses. Georgia Eye Meeting: Technicians' CME Course. National Didactic Course - Atlanta, GA, Georgia Society of Ophthalmology
01/2010-01/2010	It's Not Working, Doc: Systematic Approach to Treating Unhappy Multifocal IOL Patients. National Didactic Course - Boston, MA, American Society of Cataract and Refractive Surgery
01/2011-01/2011	Anterior Uveitis. Allied Health Course. National Didactic Course - Ann Arbor, MI, University of Michigan
01/2011-01/2017	Anterior Segment Imaging. National Didactic Course - Chicago, IL, American Academy of Ophthalmology
01/2012-01/2012	Retina Pearls for the Anterior Segment Surgeon. National Didactic Course - Chicago, IL, American Academy of Ophthalmology
01/2012-01/2012	Follow the cornea: eye banking for the early career cornea specialist. Eye Bank Association of America Symposium. National Didactic Course - Orlando, FL, American Academy of Ophthalmology
01/2012-01/2014	Follow the Cornea: Where Does Your Cornea Tissue Come From? National Didactic Course, American Academy of Ophthalmology
01/2013-01/2015	Michigan Ophthalmology Basic Science Clinical Course. National Didactic Course, Cornea Review
01/2015-01/2015	Ophthalmic Telemedicine. National Didactic Course - Mackinac Island, MI, Michigan Society of Eye Physicians and Surgeons
01/2015-01/2018	Ophthalmic Telemedicine. National Didactic Course, American Academy of Ophthalmology
01/2023-01/2023	Ophthalmology and Community Health Centers, American Academy of Ophthalmology

02/2024-02/2024 Enroll in FAIR data for machine learning applications. Instructional course, American Academy of Ophthalmology

Abstract/Posters

1. **Woodward MA**, Airiani S, Trokel S, Braunstein R: Precision of Non-contact Pachymetry with Rapid Optical Low-coherence Reflectometry, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Ft. Lauderdale, FL, 2004
2. **Woodward MA**: Ocular Argyrosis, Abstract, Poster, Southeastern Cataract, Cornea, Refractive Conference, Atlanta, GA, 2006
3. **Woodward MA**: Corneal Crystals Deposits, Abstract, Poster, Southeastern Cataract, Cornea, Refractive Conference, Miami, FL, 2007
4. **Woodward MA**: Outcomes and Methods of Visual Correction of Corneal Ectasia after LASIK, Abstract, Poster, Georgia Society of Ophthalmology, Sea Island, GA, 2007
5. Bengtzen R, **Woodward MA**, Lynn MJ, Newman NJ, Biousse V: Are Sunglasses Predictive of Non-organic Visual Loss in Neuro-ophthalmic Practice?, Abstract, Poster, North American Neuro-Ophthalmology Society Annual Meeting, Salt Lake City, UT, 2007
6. **Woodward MA**, Larson PM, Randleman JB: Confocal Microscopy Findings in Keratoectasia after Laser in Situ Keratomileusis, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Ft. Lauderdale, FL, 2007
7. **Woodward MA**, Stulting RD, Randleman JB: Decreased Posterior Keratocyte Density in Post-LASIK Ectasia Corneas, Abstract, Oral Presentation, Poster, American Academy of Ophthalmology Annual Meeting, New Orleans, LA, 2007
8. **Woodward MA**: Multifocal Lens Case. Second place prize, Abstract, Poster, AMO Residency Writers Award Program, New Orleans, LA, 2007
9. Randleman JB, **Woodward MA**, Lynn MJ, Stulting RD: Stratified Risk Factors for Corneal Ectasia after LASIK. Winner: Best Paper of Session, Abstract, Oral Presentation, American Society of Cataract and Refractive Surgery Annual Meeting, San Diego, CA, 2007
10. **Woodward MA**, Randleman JB: Outcomes and Methods of Visual Correction of Corneal Ectasia after LASIK, Abstract, Poster, American Society of Cataract and Refractive Surgery, San Diego, CA, 2007
11. Wolfe JD, **Woodward MA**, Randleman JB: Resident Surgeon Phacoemulsification Learning Curve. Best resident paper, Abstract, Oral Presentation, Georgia Society of Ophthalmology Annual Meeting, Sea Island, GA, 2007
12. **Woodward MA**, Randleman JB, Stulting RD: Reasons for Patient Dissatisfaction after Multifocal Intraocular Lens Implantation, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Ft. Lauderdale, FL, 2008
13. **Woodward MA**: Off-Axis Toric Lens, Abstract, Poster, Southeastern Cataract, Cornea, Refractive Conference, Asheville, NC, 2008
14. Hebson C, **Woodward MA**, Randleman JB: Pseudoaccommodation with Monofocal Intraocular Lense, Abstract, Poster, American Society of Cataract and Refractive Surgery Annual Meeting, San Francisco, CA, 2009
15. Randleman JB, **Woodward MA**, Stulting RD: Flap Thickness in Eyes with Post-LASIK Ectasia, Abstract, Poster, European Society of Cataract and Refractive Surgery Annual Meeting, Barcelona, Spain, 2009

16. **Woodward MA**, Rocha KM, Bruce BB, Randleman JB, Stulting RD: Measurement of Collagen Cross-linking in Ectatic Eyes with the Ocular Response Analyzer, Abstract, Poster, European Society of Cataract and Refractive Surgery Annual Meeting, Barcelona, Spain, 2009
17. White A, Randleman JB, **Woodward MA**, Rocha KM: Correlation Between Computerized Preoperative Keratometry Measurements and Manual Keratometry in LASIK and PRK, Abstract, Poster, American Society of Cataract and Refractive Surgery Annual Meeting, Boston, MA, 2010
18. **Woodward MA**, Rocha KM, Bruce BB, Randleman JB, Stulting RD: Ocular Response Analyzer Evaluation After Collagen Crosslinking for Corneal Ectasia. Winner: Best Paper of Session, Abstract, Oral Presentation, American Society of Cataract and Refractive Surgery Annual Meeting, Boston, MA, 2010
19. Hebson CB, Randleman JB, **Woodward MA**, Rocha K: A Comparison of Ocular Response Analyzer Evaluation After Collagen Crosslinking for Corneal Ectasia, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Ft. Lauderdale, FL, 2010
20. **Woodward MA**: Clinical Update on Corneal Collagen Cross-linking for Keratoconus, Abstract, Poster, 11th Annual Wavefront Congress Meeting, San Francisco, CA, 2010
21. **Woodward MA**, Mian S, Clark D, Shtein R: Visual Acuity and Lamellar Thickness in Descemets Stripping Automated Endothelial Keratoplasty, Abstract, Poster, Eye Bank Association of America Annual Meeting, Orlando, FL, 2011
22. Ross K, Requard JJ, Shtein RM, **Woodward MA**: Impact of Tissue Selection Practices on Eye Banking Costs and Processing Fees, Abstract, Poster, Eye Bank Association of America Annual Meeting, Orlando, FL, 2011
23. **Woodward MA**, Hebson CB, Rocha K, Randleman JB: A Comparison of Ocular Response Analyzer, Orbscan II, and Pentacam for Refractive Surgery Screening, Abstract, Poster, American Society of Cataract and Refractive Surgery Annual Meeting, San Diego, CA, 2011
24. **Woodward MA**: Managing Unhappy Presbyopic Lens Patients, Abstract, Poster, 83rd Annual University of Michigan Postgraduate Spring Conference - Kellogg Eye Center, Ann Arbor, MI, 2011
25. **Woodward MA**, Mian SI, Shtein RM: Visual Acuity and Lamellar Thickness in Descemet's Stripping Automated Endothelial Keratoplasty, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale, FL, 2012
26. Raoof-Daneshvar D, Shtein RM, Terry MA, **Woodward MA**: Correlation of Descemet Stripping Automated Endothelial Keratoplasty (DSAEK) Postoperative Graft Thickness with Visual Acuity Over Time, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Ft. Lauderdale, FL, 2012
27. Bullard ML, **Woodward MA**, Shtein RM: Descemet's Stripping Automated Endothelial Keratoplasty (DSAEK) Dislocation Rates and Preoperative Donor Tissue Characteristics, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Ft. Lauderdale, FL, 2012
28. Fante RJ, Shtein RM, Titus MS, **Woodward MA**: Anterior Segment Optical Coherence Tomography Versus Ultrasound Pachymetry Measurements for Endothelial Keratoplasty Donor Corneas, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Ft. Lauderdale, FL, 2012
29. Balakrishnan S, Musch DC, **Woodward MA**: Demographics and Ocular Characteristics of Patients Undergoing Screening for Refractive Surgery, Abstract, Poster, Refractive Surgery

Subspecialty Day Meeting of the International Society of Refractive Surgery (ISRS), Chicago, IL, 2012

30. Raoof-Daneshvar D, **Woodward MA**, Elnor VM, Shtein RM: Vital Dye Staining of Endothelial Cells Following Ultra-Thin Graft Preparation for Descemet's Stripping Endothelial Keratoplasty, Abstract, Poster, American Academy of Ophthalmology Annual Meeting, Chicago, IL, 2012
31. Raoof-Daneshvar D, Hussain M, **Woodward MA**, Shtein RM, Soong HK, Sugar A, Mian SI: Treatment of Ocular Graft-vs.-Host Disease with Topical Loteprednol Etabonate 0.5%, Abstract, Poster, American Academy of Ophthalmology Annual Meeting, Chicago, IL, 2012
32. Hussain MT, Shtein RM, Sugar A, Soong K, **Woodward MA**, Mian SI: Long-Term Outcome of Autologous Serum Tears for Treatment of Dry Eye Disease, Abstract, Poster, American Academy of Ophthalmology Annual Meeting, Chicago, IL, 2012
33. Mian SI, Ross K, Tenant B, **Woodward MA**, Shtein RM, Sugar A: Eye Bank Distribution of Corneal Tissue by Surgeon, Abstract, Poster, American Academy of Ophthalmology Annual Meeting, Chicago, IL, 2012
34. **Woodward MA**, Titus M, Fante R, Mavin K, Shtein RM: Ultra-Thin Tissue Preparation for DSAEK, Abstract, Poster, Eye Bank Association of America Annual Meeting, Hollywood, FL, 2012
35. Ple-Plakon P, Shtein R, Musch DC, Saponara F, O'Keefe M, **Woodward MA**: Tissue Characteristics and Reported Adverse Events After Corneal Transplantation. Winner: Best Resident or Fellow Presentation, Abstract, Oral Presentation, Cornea Society Annual Meeting, Chicago, IL, 2012
36. Raoof-Daneshvar D, Shtein RM, Terry MA, **Woodward MA**: Correlation of Descemet Stripping Automated Endothelial Keratoplasty (DSAEK) Postoperative Graft Thickness with Visual Acuity Over Time, Abstract, Oral Presentation, Kellogg Eye Center Research Day, Ann Arbor, MI, 2012
37. Bullard ML, **Woodward MA**, Shtein RM: Descemet's Stripping Automated Endothelial Keratoplasty (DSAEK) Dislocation Rates and Preoperative Donor Tissue Characteristics, Abstract, Oral Presentation, Kellogg Eye Center Research Day, Ann Arbor, MI, 2012
38. Balakrishnan S, **Woodward MA**: Demographics and Ocular Characteristics of Patients Undergoing Screening for Refractive Surgery, Abstract, Oral Presentation, Kellogg Eye Center Research Day, Ann Arbor, MI, 2012
39. Shtein RM, Saponara F, **Woodward MA**: Tissue Characteristics and Adverse Event Reporting After Corneal Transplantation, Abstract, Oral Presentation, Kellogg Eye Center Research Day, Ann Arbor, MI, 2012
40. Reddy V, Melo R, **Woodward MA**: Microbiology of Donor Corneas and Post-Keratoplasty Endophthalmitis: 14-Year Review at Kellogg, Abstract, Oral Presentation, Kellogg Eye Center Research Day, Ann Arbor, MI, 2012
41. Peron T, **Woodward MA**, Shtein RM: Outcomes of Traumatic Dehiscence of Penetrating Keratoplasty versus Severe Open-Globe Injury, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA, 2013
42. Reddy VC, De Melo Franco R, **Woodward MA**, Vadakkepattath I, O'Keefe M, Shtein RM: Donor Cornea Characteristics in Relation to Microbiologic Culture Results and Postkeratoplasty Infections, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Conference, Seattle, WA, 2013

43. Titus MS, Shtein RM, **Woodward MA**: Effect of Time on Endothelial Health in DSAEK Preparation, Abstract, Poster, Eye Bank Association of America Annual Meeting, Chicago, IL, 2013
44. Raoof-Daneshvar D, Shtein RM, Blachley TS, **Woodward MA**, Mian SI, Sugar A, Stein JD: Comparison of Resource Consumption in Penetrating Versus Endothelial Keratoplasty from 2009-2010, Abstract, Poster, Eye Bank Association of America Annual Meeting, Chicago, IL, 2013
45. Ple-Plakon PA, **Woodward MA**, He Y, Musch D, Blachley T, Tennant B, Mian SI: Surgeon Characteristics Associated with Adverse Events in Corneal Transplantation, Abstract, Oral Presentation, Eye Bank Association of America Annual Meeting, Chicago, IL, 2013
46. Titus MA, Johnson L, **Woodward MA**, Mian S: Outcomes of Eye-Bank Prepared Descemet Membrane Endothelial Keratoplasty Tissue, Abstract, Poster, American Academy of Ophthalmology Annual Meeting, New Orleans, LA, 2013
47. Ple-Plakon PA, Hey Y, **Woodward MA**, Shtein RM, Ross K, Tennant B, Mian SI: Trends in Eye Bank Tissue Utilization, Abstract, Poster, American Academy of Ophthalmology Annual Meeting, New Orleans, LA, 2013
48. Ple-Plakon PA, **Woodward MA**, He Y, Musch D, Tennant B, Mian SI: Surgeon Characteristics Associated with Adverse Events in Corneal Transplantation, Abstract, Poster, Kellogg Eye Center Research Day, Ann Arbor, MI, 2013
49. Bullard M, Musch DC, Blachley T, **Woodward MA**: The Use of Toric Intraocular Lenses in Cataract Surgery Training, Abstract, Oral Presentation, Kellogg Eye Center Research Day, Ann Arbor, MI, 2013
50. Peeler C, Mian SI, **Woodward MA**: Anterior Segment Imaging for Telemedicine in Rural Nepal, Abstract, Oral Presentation, Kellogg Eye Center Research Day, Ann Arbor, MI, 2013, 2013
51. Raoof-Daneshvar D, Mian SI, **Woodward MA**, Shtein RM: Comparison of Resource Consumption in Penetrating Versus Endothelial Keratoplasty, Abstract, Oral Presentation, Kellogg Eye Center Research Day, Ann Arbor, MI, 2013
52. Fausett BV, **Woodward MA**, Stein J: Are Patients with Keratoconus at an Increased Risk of Systemic Medical Illness?, Abstract, Oral Presentation, Kellogg Eye Center Research Day, Ann Arbor, MI, 2013, 2013
53. Raoof-Daneshvar D, Shtein RM, Blachley TS, **Woodward MA**, Mian SI, Sugar A, Stein JD: Comparison of Resource Consumption in Penetrating Versus Endothelial Keratoplasty from 2009-2010, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA, 2013
54. Cohen S, Boynton GE, Besirli CG, **Woodward MA**, Newman-Casey PA: Hand-Held Non-Mydriatic Digital Fundus Imaging for the Detection of Diabetic Retinopathy, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Orlando, FL, 2014
55. **Woodward MA**: Top Five Corneal Diagnoses You Don't Want to Miss, Abstract, Poster, Optometric Continuing Education Conference, Ann Arbor, MI, 2014
56. Shtein RM, Blachley T, **Woodward MA**, Sugar A, Mian SI, Stein J: Characteristics of Patients Undergoing Endothelial Versus Penetrating Keratoplasty for Corneal Endothelial Disease, 2009-2011, Abstract, Poster, American Academy of Ophthalmology Annual Meeting, Chicago, IL, 2014

57. Peeler C, Mian SI, **Woodward MA**: Telemedicine for Corneal Disease in Rural Nepal, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Orlando, FL, 2014
58. Ple-Plakon PA, Musch D, Lee PP, Blachley T, **Woodward MA**: Attitudes Toward Tele-Ophthalmology, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Orlando, FL, 2014
59. Wang GM, **Woodward MA**, O'Keefe M, Vasakkepattath I, Titus M, Blachley T, Musch DC, Shtein RM: Factors Associated with Thickness of Eye-Bank Prepared DSAEK Graft Tissue, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Orlando, FL, 2014
60. **Woodward MA**: Corneal Considerations in Cataract Surgery, Abstract, Poster, 87th Annual University of Michigan Postgraduate Spring Conference, Kellogg Eye Center, Ann Arbor, MI, 2015
61. Valikodath N, Wang S, Leveque T, Lee PP, **Woodward MA**: Attitudes Toward Telemedicine in Ophthalmology, Abstract, Poster, Clinical and Translational Research Mentoring Forum, Ann Arbor, MI, 2015
62. **Woodward MA**, Bavinger JC, Amin S, Milliken A, Newman-Casey PA: Telemedicine for Ophthalmic Consultation Services, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Denver, CO, 2015, *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*.56, (7)
63. **Woodward MA**: Telemedicine for the Anterior Segment, Abstract, Poster, Kellogg Eye Center Mid-Winter Symposium, Ann Arbor, MI, 2016
64. Grubbs J, Davila J, Sengupta S, Besirli C, Sindal M, Niziol LM, Robin A, **Woodward MA**, Venkatesh R, Newman-Casey PA: The Photographer's Learning Curve: Image Quality Over Time in Non-Mydriatic Fundus Photographs Taken with a Portable Camera, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA, 2016
65. Hansen S, Valikodath N, Wang S, Newman-Casey PA, Lee PP, **Woodward MA**: Attitudes Towards Telemedicine in Ophthalmology, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA, 2016
66. Wolle MA, Niziol LM, Grossman G, Ross K, Shtein RM, **Woodward MA**: Donor Cornea Tissue Characteristics and Associations with Surgical Suitability, Abstract, Poster, Eye Bank Association of America Annual Meeting, St. Louis, MO, 2016
67. **Woodward MA**: Technology for Access to Care and Disease Monitoring, Abstract, Poster, Club Vit. Annual Meeting, Miami, FL, 2016
68. Valikodath N, Faucett B, Oren G, Whitney K, **Woodward MA**: Impact of a Dedicated Research Rotation on Research Training in Ophthalmology, Abstract, Poster, American Academy of Ophthalmology Annual Meeting, Chicago, IL, 2016
69. Newman-Casey PA, **Woodward MA**, De Lott L: Ophthalmologist Prescribing Patterns: Brand Medications, an Important Driver of Medicare Part D Drug Cost. Won Best Poster Award, Abstract, Poster, American Academy of Ophthalmology Annual Meeting, Chicago, IL, 2016
70. Bhaskaranand M, Bhat S, Ramachandra C, Kim TN, Paulus YM, Davila JR, **Woodward MA**, Fletcher DA, Margolis TP, Solanki K: Automated, End-To-End Diabetic Retinopathy Screening Using Smartphone-Based Retinal Fundus Camera, Abstract, Poster, American Academy of Ophthalmology Annual Meeting, Chicago, IL, 2016

71. Newman-Casey PA, **Woodward MA**, Niziol LM, De Lott L, Lee P: Brand Medications and Medicare Part D: How Eye Care Providers' Prescribing Patterns Influence Costs. Best Poster Award, Abstract, Poster, American Academy of Ophthalmology Annual Meeting, Chicago, IL, 2016
72. Kim TN, Thapa SS, Niziol LM, Shreshtha S, Pitha IF, Ramulu PY, Robin AL, **Woodward MA**, Newman-Casey PA: Portable Non-Mydriatic Imaging: A Useful Tool in a Tele-Glaucoma Assessment, Abstract, Oral Presentation, Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA, 2016
73. Valikodath N, Niziol LM, Newman-Casey PA, **Woodward MA**: Patient Self-Reported Questionnaire for Eye Complaints to Identify Anterior Segment Pathology, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA, 2016
74. Hansen S, Valikodath N, Wang S, Leveque T, Lee PP, Newman-Casey PA, **Woodward MA**: Attitudes Toward Telemedicine in Ophthalmology, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA, 2016, *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*.57, (12)
75. Wolle MA, DeMill D, **Woodward MA**, Johnson L, Mian SI: The Endothelial Safety of Using Preloaded Descemet Membrane Endothelial Keratoplasty Grafts, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA, 2016
76. Parikh P, Valikodath N, Estopinal CB, Shtein RM, Sugar A, Niziol LM, **Woodward MA**: Precision of Epithelial Defect Measurements, Abstract, Poster, American Society of Cataract and Refractive Surgery Annual Meeting, Los Angeles, CA, 2017
77. Jaganathan SV, Hood C, Greene JB, Lok E, Niziol LM, **Woodward MA**: Portable Cameras for Anterior Segment Imaging, Abstract, Poster, American Society of Cataract and Refractive Surgery Annual Meeting, Los Angeles, CA, 2017
78. Chen H, Sick V, **Woodward MA**: A Micro-Plenoptic Imaging System for 3d Imaging of Human Iris, Abstract, Poster, Association for Research in Vision and Ophthalmology Imaging Conference, Baltimore, MD, 2017
79. Jaganathan VS, **Woodward MA**, Stagg BC, Talwar N, Stein JS: Large Geographic Variation in Rates of Visits to the Emergency Department for Ocular Problems Among Communities Throughout the United States, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Baltimore, MD, 2017
80. Kim T, Li P, Niziol LM, Bhaskaranand M, Bhat S, Ramachandran R, Solanki K, Davila J, Myers F, Reber C, Musch DC, Margolis TP, Fletcher D, **Woodward MA**, Paulus YM: Comparison of Automated and Expert Human Grading of Diabetic Retinopathy Using Smartphone-Based Retinal Photography, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Baltimore, MD, 2017
81. Chen H, Sick V, **Woodward MA**, Burke D: Human Iris 3D Imaging Using a Micro-plenoptic Camera, Abstract, Poster, Bio-Optics: Design and Application Meeting, San Diego, CA, 2017
82. **Woodward MA**, Niziol LM, Musch DC, Lee PP: Limitations of Portable Cameras for Detecting Anterior Segment Pathology, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Baltimore, MD, 2017
83. Stagg BC, Anduka CK, **Woodward MA**: Cataract surgery in the National Health and Aging Trends Study, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Baltimore, MD, 2017

84. Patel T, Prajna NV, Dudeja L, Valikodath N, **Woodward MA**: Automated Analysis of Corneal Ulcer from External Photography of the Eye, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Baltimore, MD, 2017
85. Valikodath N, Prajna NV, Dudeja L, **Woodward MA**: Variability in Corneal Ulcer Measurements, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Baltimore, MD, 2017
86. Patel T, **Woodward MA**: Semi-automated Detection of Corneal Ulcer Lesions, Abstract, Poster, World Association of Eye Hospitals Annual Meeting, Ann Arbor, MI, 2018
87. Preethi M, **Woodward MA**, Prajna NV: Slit Lamp Photography of Corneal Ulcers to Predict Healing Trajectories, Abstract, Poster, All India Ophthalmological Society Annual Conference, Indore, India, 2018
88. Paulus YM, Patel TP, Kim TN, Yu G, Dedania VS, Lieu P, Besirli CG, Demirci H, Margolis T, Fletcher DA, **Woodward MA**: Automated, Smartphone-based Pediatric Retinal Imaging, Abstract, Poster, American Academy of Ophthalmology Annual Meeting, Chicago, IL, 2018
89. Kana L, Newman-Casey PA, **Woodward MA**: Reasons for Suboptimal Visual Acuity in Vulnerable Adults: A Mixed Methods Study to Design Eyeglasses Programs, Abstract, Oral Presentation, Kellogg Eye Center Research Day, Ann Arbor, MI, 2018, 2018
90. **Woodward MA**: 27-Gauge Sutureless Intrasceral Fixation of Intraocular Lenses with Haptic Flanging: Clinical Outcomes and a Disinsertion Force Study, Abstract, Poster, American Society of Retinal Specialists Annual Meeting, Vancouver, Canada, 2018
91. Orlov SL, Hamid M, **Woodward MA**: Representation Bias in Ophthalmology Clinical Trials. Best Poster of Session, Abstract, Oral Presentation, Undergraduate Research Opportunity Program Annual Session, Ann Arbor, MI, 2018
92. Liles N, Newman-Casey PA, De Lott L, **Woodward MA**: Geographic Variation in Medicare Part D Spending on Ophthalmic Drugs, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Honolulu, HI, 2018
93. Maganti N, Tan H, Niziol LM, Sejal A, Hou A, Singh K, **Woodward MA**: Accuracy of Natural Language Processing to Extract Quantitative Data for Microbial Keratitis from the Electronic Health Record, Abstract, Poster, American Society for Cataract and Refractive Surgery Annual Meeting, San Diego, CA, 2019
94. Newman-Casey PA, Killeen O, **Woodward MA**: Uncorrected refractive error and barriers to eyeglasses update in Southeastern Michigan, Abstract, Oral Presentation, Kellogg Eye Center Research Day, Ann Arbor, MI, 2019
95. Ling J, **Woodward MA**, Stein JD, Poliskey JA, Orlov SL, Michelson SJ, Manno EK, Rahman M, Titus M, Mian S: Impact of Scleral Contact Lens Use on Risk of Requiring Corneal Transplantation for Keratoconus, Abstract, Poster, Eye Bank Association of America Annual Meeting, Scottsdale, AZ, 2019
96. **Woodward MA**: Self-Reported Eye Care Use among U.S. Adults Aged 50 to 80 Years, Abstract, Poster, National Medication Association Annual Conference, Honolulu, HI, 2019
97. Maganti N, Niziol LM, Amin S, Hou A, Singh K, Ballouz D, **Woodward MA**: Accuracy of Natural Language Processing to Extract Quantitative Data for Microbial Keratitis from the Electronic Health Record. Best Clinical Research Abstract, Poster, Oral Presentation, Kellogg Eye Center Kellogg Research Day, Ann Arbor, MI, 2019

98. Hou A, Maganti N, Tan H, Niziol LM, Amin S, Singh K, Ballouz D, **Woodward MA**: Natural Language Processing to Quantify Microbial Keratitis Measurements. David Barsky Research Competition Finalist, Abstract, Oral Presentation, Henry Ford Hospital Updates in Ophthalmology, Detroit, MI, 2019
99. Yu Y, Xie X, Qin Y, Xia X, **Woodward MA**, Yang X, Wang X, Paulus Y: Removal of Suture-Induced Corneal Neovascularization in Rabbits Using Concurrently Applied Nanosecond Laser Pulses and Ultrasound, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Vancouver, Canada, 2019
100. Farsiu S, Loo J, Kriegel M, Tuohy M, Prajna V, **Woodward MA**: Deep Learning-Based Automatic Segmentation of Stromal Infiltrates and Associated Biomarkers on Slit Lamp Images of Microbial Keratitis, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Vancouver, Canada, 2019, *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*.60, (9)
101. Kriegel M, Loo J, Prajna V, Farsiu S, Tuohy M, Gompa P, Niziol LM, **Woodward MA**: Reliability of Physicians' Measurements When Manually Annotating Images of Microbial Keratitis, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Vancouver, Canada, 2019
102. **Woodward MA**, Ballouz D, Errickson J, Maganti N, Tuohy M: Medication Burden for Patients with Bacterial Keratitis, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Vancouver, Canada, 2019, *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*.60, (9)2019
103. Zhang Y, Behunin N, Niziol LM, Tannen B, **Woodward MA**: Opioid Prescribing and Use after Corneal Surgeries, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Vancouver, Canada, 2019
104. Hamid M, Orlov S, De Lott L, Ling J, **Woodward MA**: Reporting and Enrollment of Women and Racial Minorities in Ophthalmic Clinical Trials, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Vancouver, Canada, 2019
105. Killeen OJ, Cho J, Kana L, Newman-Casey PA, **Woodward MA**: Uncorrected Refractive Error and Barriers to Eyeglass Uptake in Southeastern Michigan, Abstract, Poster, American Society of Cataract and Refractive Surgery Annual Meeting Annual Meeting, Boston, MA, 2020
106. Dunbar G, Valicevic AN, Meijome TE, Titus M, Stein JD, **Woodward MA**: Vision-Related Quality of Life Among Corneal Transplant Recipients, Abstract, Poster, Eye Bank Association of America Scientific Symposium, Virtual, 2020
107. Salazar D, Niziol LM, **Woodward MA**, Elam A, Musch DC, Zhang J, Winter S, Newman-Casey PA: The Michigan Screening and Intervention for Glaucoma and Eye Health through Telemedicine Program (MI-SIGHT): Initial Cohort Characteristics, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Virtual, 2021
108. Meijome R, Wozniak R, Azzouz L, Niziol LM, Kriegel M, **Woodward MA**: Evaluation of In Vivo Murine Modeling of Staphylococcus Aureus Bacterial Keratitis, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Virtual, 2021
109. Ballouz D, Hughes K, Hirth R, Errickson J, Newman-Casey PA, **Woodward MA**: Assessing North American Native Eye Health and Care Needs, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Virtual, 2021
110. Salazar D, Sun L, Elam A, Andrews C, Ugoh P, Sidhom D, **Woodward MA**, De Lott L, Newman-Casey PA: Disparities in Tele-ophthalmology Utilization During COVID-19: Potential

Impact on Glaucoma Patients, [Abstract, Poster](#), American Glaucoma Society Annual Meeting, Virtual, 2021, *American Glaucoma Society*

111. Hicks PM, Elam A, **Woodward MA**, Newman-Casey PA, Asare A, Akrobetu D, Gupta D, Stagg B: Perceptions of Respect from the Physician By Patients with Blinding Eye Disease Perspectives in the United States, [Abstract, Poster](#), American Public Health Association Annual Meeting, Denver, CO, 2021

112. Mobolaji I, Elam AR, Flaharty K, Niziol LM, **Woodward MA**, Zhang J, Musch DC, Johnson L, Kershaw M, Bicket A, John D, Newman-Casey PA: Comparison of the Effectiveness of Clinic Based and Community Based Recruitment Strategies on Engagement in the MI-SIGHT Glaucoma Screening Program, [Abstract, Poster](#), American Glaucoma Society Annual Meeting, Nashville, TN, 2021

113. Sidhom D, Ugoh P, Newman-Casey PA, Andrews C, **Woodward MA**, Lee P, De Lott L, Elam AR: Disparities in Eye Care Utilization During the COVID-19 Pandemic, [Abstract, Poster](#), Association for Research and Vision in Ophthalmology Annual Meeting, Virtual, 2021

114. Ballouz D, Cho J, **Woodward MA**, Musch DC, Elam AR, Zhang J, Moroi SE, Newman-Casey PA: A Community Engaged Research Approach to Implementing a Telemedicine-Based Glaucoma Screening Program in Populations at High Risk of Glaucoma, [Abstract, Poster](#), American Glaucoma Society Annual Meeting, Virtual, 2021

115. Hicks PM, Elam AR, **Woodward MA**, Newman-Casey PA, Asare A, Akrobetu D, Gupta D, Stagg BC: Perceptions of Respect from Clinicians by Patients in Racial and Ethnic Minority Groups with Eye Disease, [Abstract, Poster](#), 18th Annual Yale Bouchet Conference on Diversity and Graduate Education, Virtual, 2022

116. Hicks PM, Elam AR, **Woodward MA**, Newman-Casey PA: The Association Between Redlining, Visual Impairment and Blindness, [Abstract, Poster](#), Association for Research in Vision and Ophthalmology Annual Meeting, Denver, CO, 2022

117. Flaharty K, Lu M-C, Niziol LM, Aliancy J, Hicks PM, Cho J, **Woodward MA**, Elam AR, Zhang J, Johnson L, Kershaw M, Musch DC, Bicket A, John D, Newman-Casey PA: Association Between Neighborhood Deprivation and Clinic Appointment Attendance in a Free Glaucoma Screening Program, [Abstract, Poster](#), Association for Research and Vision in Ophthalmology Annual Meeting, Denver, CO, 2022

118. Lu M-C, **Woodward MA**, Niziol LM, Ballouz D, Kang L, Thibodeau A, Singh K: Prediction of Visual Acuity in Patients with Microbial Keratitis, [Abstract, Poster](#), Association for Research in Vision and Ophthalmology Annual Meeting, Denver, CO, 2022

119. Webber EA, Lu M-C, Niziol LM, **Woodward MA**, Elam AR, Bicket A, Zhang J, Musch DC, Johnson L, Kershaw M, Wood S, John DA, Newman-Casey PA: Neighborhood Deprivation and the Risk of Screening Positive for Glaucoma in the Michigan Screening and Intervention for Glaucoma and Eye Health through Telemedicine (MI-SIGHT) Program, [Abstract, Oral Presentation](#), American Academy of Ophthalmology Annual Meeting, Chicago, IL, 2022

120. Aliancy J, Lu M-C, Flaharty K, Niziol LM, Elam A, **Woodward MA**, Zhang J, Musch D, Johnson L, Kershaw M, Bicket A, John D, Newman-Casey PA: Neighborhood Deprivation and the Risk of Screening Positive for Glaucoma in the Michigan Screening and Intervention for Glaucoma and Eye Health through Telemedicine (MI-SIGHT) Program, [Abstract, Oral Presentation](#), American Glaucoma Society Annual Meeting, Nashville, TN, 2022

121. Kang L, Lu M-C, Niziol LM, Thibodeau A, Francis T, Pawar M, **Woodward MA**: Microbial Keratitis Isolates at a Midwestern Tertiary Eye Care Center, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Denver, CO, 2022
122. Hicks PM, Newman-Casey PA, Niziol LM, Lu M-C, Armstrong ML, Elam AR, Killeen O, Stagg BC, Jakpor O, **Woodward MA**: The Impact of Redlining on Cost of Glasses and Contact Lenses, Abstract, Poster, American Public Health Association Annual Meeting, Boston, MA, 2022
123. Ramachandran R, Niziol LM, Elam AR, **Woodward MA**, Bicket A, Killeen O, John D, Wood S, Zhang J, Musch DC, Johnson L, Kershaw M, Newman-Casey PA: Moving Beyond Race in Diagnostic Criteria for Glaucoma Screening: A Preliminary Analysis. Selected for Top Poster Presentation, Abstract, Oral Presentation, American Glaucoma Society Annual Meeting, Austin, TX, 2023
124. Sherman E, Niziol LM, Johnson-Griggs M, Elam AR, **Woodward MA**, Bicket A, Killeen O, Wood S, John D, Johnson L, Kershaw M, Zhang J, Musch D, Newman-Casey PA: Eye Care Utilization Among Participants in the First Year of the Michigan Screening and Intervention for Glaucoma and Eye Health through Telemedicine (MI-SIGHT) Program, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, New Orleans, LA, 2023
125. Johnson-Griggs M, Hicks PM, Lu M-C, Sherman E, Niziol LM, Elam A, **Woodward MA**, Bicket A, Wood S, John D, Johnson L, Kershaw M, Zhang J, Musch DC, Newman-Casey PA: The Relationship between Unstable Housing, Food Insecurity and Vision Status in the Michigan Screening and Intervention for Glaucoma and Eye Health through Telemedicine (MI-SIGHT) Program, Abstract, Oral Presentation, Association for Research in Vision and Ophthalmology Annual Meeting, New Orleans, LA, 2023, *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*.64, (8)
126. **Woodward MA**, Ali M, Jeng B, Chamberlain W, Mian SI, Srikumaran D, Woreta F: Developing Standardized Quality Metrics Following Corneal Transplantation Using a Delphi Technique, Abstract, Poster, The Eye Bank Association of America Annual Meeting, Dallas, Texas, 2023
127. Ballouz D, Venkatesh P, Niziol LM, Mian SI, Nallasamy N, Hood C, Shtein R, Tannen B, Verkade A, Sugar A, Soong HK, Selvaraj S, Kochar P, Enright J, Thibodeau A, **Woodward MA**: Symptom Severity and Association with Visual Acuity at Microbial Keratitis, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, New Orleans, LA, 2023
128. Wood S, Sherman E, Niziol LM, Johnson-Griggs M, Elam AR, **Woodward MA**, Bicket A, Killeen O, John D, Johnson L, Kershaw M, Zhang J, Musch D, Newman-Casey PA: Eye Care Utilization Among Participants in the First Year of the Michigan Screening and Intervention for Glaucoma and Eye Health through Telemedicine (MI-SIGHT), Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, New Orleans, LA, 2023
129. Ramachandran R, Killeen O, Niziol LM, Elam A, Bicket A, John D, Wood S, Musch D, Zhang J, Johnson L, Kershaw M, **Woodward MA**, Newman-Casey PA: Visual Impairment from Uncorrected and Undercorrected Refractive Error in the Michigan Screening and Intervention for Glaucoma and Eye Health through Telemedicine (MI-SIGHT) Program, Abstract, Oral Presentation, Association for Research in Vision and Ophthalmology Annual Meeting, New Orleans, LA, 2023, *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*.64, (8)
130. Hicks PM, **Woodward MA**, Lu M-C, Niziol LM, Darnley-Fisch D, Heisler M, Resnicow K, Musch DC, Mitchell J, Imami NR, Newman-Casey PA: Neighborhood-Level Social Risk Factors Associated with Presenting Glaucoma Severity at a Tertiary Eye Care Center, Abstract,

Oral Presentation, Association for Research in Vision and Ophthalmology Annual Meeting, New Orleans, LA, 2023

131. Flaharty K, Niziol LM, **Woodward MA**, Elam AR, Bicket A, Killeen O, Zhang J, Johnson L, Kershaw M, Musch D, Newman-Casey PA: The Association of Contrast Sensitivity with Eye Disease, Falls, and Vision-Related Quality of Life, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, New Orleans, LA, 2023

132. Miller K, Toiv A, Deng C, Lu M-C, Niziol LM, Hart J, Sherman E, Mian S, Lephart P, Sugar A, Kang L, **Woodward MA**: The Effect of ESswabs on Laboratory Test Utilization and Positivity Rates in Microbial Keratitis Patients, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, New Orleans, LA, 2023

133. Hart JN, Tracey B, Miller KD, Lephart PR, Mian S, **Woodward MA**: A Comparison of Culture Results in Contact Lens Related Microbial Keratitis, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, New Orleans, LA, 2023

134. Charles ST, Dupuis D, Lu M-C, Winter S, **Woodward MA**, Newman-Casey PA: Native Eye Health - Perspectives and Barriers at a Michigan Powwow, Abstract, Poster, Michigan Journal of Medicine Conference, Ann Arbor, MI, 2023

135. Sun E, **Woodward MA**, Prescott C, Woreta F: Gender Differences in Ophthalmologist Salary Among Cornea Specialists at US Public Medical Schools, Abstract, Oral Presentation, 2024 EBAA Scientific Symposium, Kansas City, MO, 2024

136. Hicks PM, Lin G, Newman-Casey PA, **Woodward MA**, Niziol LM, Lu M-C, Elam AR, Musch DC, Mehdipanah R, Rein DB: Neighborhood Measures of Inequity and Visual Impairment and Blindness, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA, 2024

137. Vogt EL, Niziol LM, Prajna V, Miller K, Pawar M, Lee M, Padilla Conde T, Rezaei S, Prahbhleen K, Selvaraj S, Dhanya D, Nallasamy N, Mian SI, Farsiu S, **Woodward MA**: Predictors of Visual Outcomes in Microbial Keratitis, Abstract, Oral Presentation, Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA, 2024

138. Weber M, Silva-Zuccaro M, Livingston J, Yerrapu N, Webber E, Winter S, Niziol LM, Newman-Casey PA, **Woodward MA**: Proportion of Time Dedicated to Dispensing Low-Cost Glasses in a Free Eye Disease Screening Program, Abstract, Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA, 2024

139. Ramachandran R, Lu M-C, Niziol LM, **Woodward MA**, Elam AR, Johnson L, Kershaw M, Musch DC, Bicket AK, John D, Wood SD, Zhang A, Zhang J, Newman-Casey PA: Comparing OCT Parameters Between Topcon Normative Database Participants and a Real World Cohort, Abstract, Poster, Association for Research in Vision and Ophthalmology, Seattle, WA, 2024

140. Johnson-Griggs M, Lu M-C, Hicks P, Niziol L, Elam A, **Woodward MA**, Bicket A, Wood S, John D, Johnson L, Kershaw M, Ramachandran R, Zhang A, Zhang J, Musch D, Newman-Casey PA: Perceived Discrimination, Loneliness, Stress, Visual Acuity, and Vision Related Quality of Life within MI-SIGHT Program, Abstract, Oral Presentation, ARVO, Seattle, WA, 2024

Mentorship

Resident

07/2006-06/2009 Valerie Elmalem, Emory University, Career mentorship

07/2006-06/2009 Purnima Patel, Emory University, Career mentorship

07/2007-06/2010 Alok Bansal, Emory University, Career mentorship

07/2007-06/2010 Bonnie Germain, Emory University, Career mentorship

07/2007-06/2010 Carolyn Hebson, Emory University, Career mentorship

07/2007-06/2010 David Paine, Emory University, Career mentorship

07/2007-06/2010 John Payne, Emory University, Career mentorship

07/2007-06/2010 Krishna Sanka, Emory University, Career mentorship; resulted in publication

07/2008-06/2010 Priyanka Sood, Emory University, Career mentorship; resulted in publication

07/2009-06/2010 Jeremy Jones, Emory University, Career mentorship

07/2009-06/2010 Joshua Robinson, Emory University, Career mentorship

07/2009-06/2010 Sumitra Khandelwal, Emory University, Career mentorship; resulted in publication

07/2010-06/2011 Matthew Brumm, University of Michigan, Career mentorship

07/2010-06/2011 Ari Kaplan, University of Michigan, Career mentorship

07/2010-06/2011 Paula Anne Newman-Casey, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded; ongoing collaboration

07/2010-06/2012 Dolly Padovani-Claudio, University of Michigan, Career mentorship; resulted in publication

07/2010-06/2013 Alexandra Apkarian, University of Michigan, Career mentorship

07/2010-06/2013 S. Asha Balakrishnan, University of Michigan, Career mentorship; research mentorship

07/2010-06/2013 Kristen Harris Nwanyanwu, University of Michigan, Career mentorship; resulted in publication

07/2010-06/2013 Duna Raoof-Daneshavar, University of Michigan, Career mentorship; resulted in publication

07/2011-06/2014 Crandall Peeler, University of Michigan, Career mentorship; resulted in publication

07/2011-06/2014 Patricia Ple-Plakon, University of Michigan, Career mentorship; resulted in publication

07/2011-06/2014 Ira Schachar, University of Michigan, Career mentorship

07/2015-06/2018 Sean Hansen, University of Michigan, Career mentorship

07/2015-06/2018 Tyson Kim, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded; research mentorship

07/2015-06/2018 Nakul Shekhawat, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded; research mentorship

07/2016-06/2019 Stephen Armenti, University of Michigan, Career mentorship; resulted in publication

07/2016-06/2019 Nathan Liles, University of Michigan, Career mentorship; resulted in publication

07/2016-06/2019 Tapan Patel, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded; research mentorship

07/2017-06/2020 Megan Tuohy, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded; research mentorship

07/2018-Present Dena Ballouz, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded; ongoing collaboration

07/2018-Present Breanna Tracey, University of Michigan, Career mentorship; resulted in publication

07/2018-Present Anvesh Annadanar, University of Michigan, Career mentorship; resulted in publication

Clinical Fellow

07/2009-06/2010 Tyler Hall, Emory University, Career mentorship

07/2009-06/2010 Seema Patel, Emory University, Career mentorship

07/2010-06/2011 Christopher Hood, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded; ongoing collaboration

07/2010-06/2012 Matthew Brumm, University of Michigan, Career mentorship

07/2011-06/2012 Vandana Reedy, University of Michigan, Career mentorship

07/2012-06/2013 Jonathan Greene, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded; ongoing collaboration

07/2012-06/2013 Nadeem Fatteh, University of Michigan, Career mentorship

07/2013-06/2014 Chirag Gupta, University of Michigan, Career mentorship

07/2013-06/2014 Lauren Harris, University of Michigan, Career mentorship

07/2014-06/2015 Sejal Amin, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded; ongoing collaboration

07/2014-06/2015 Daniel Sand, University of Michigan, Career mentorship

07/2015-06/2016 Meraf Wolle, University of Michigan, Career mentorship; resulted in publications

07/2015-06/2018 Christopher Estopinal, University of Michigan, Career mentorship

07/2016-06/2017 Purak Parikh, University of Michigan, Career mentorship; resulted in publications

07/2016-06/2017 Jordan Masters, University of Michigan, Career mentorship

07/2017-06/2018 Nicholas Behunin, University of Michigan, Career mentorship

07/2017-06/2018 Jason Hooton, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded; ongoing collaboration

07/2019-06/2020 Grace Dunbar, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded; ongoing collaboration

07/2020-06/2021 Megan Touhy, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded; ongoing collaboration

07/2020-06/2021 Tim Soeken, University of Michigan, Career mentorship; resulted in publications

07/2021-06/2022 Steve Armenti, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

07/2021-06/2022 Miles Greenwald, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

07/2022-06/2023 Jenny Enright, University of Michigan, Career mentorship; resulted in publications

07/2022-06/2023 Alexa Thibodeau, University of Michigan, Career mentorship; resulted in publications

07/2023-06/2024 Sinza Rezaei, University of Michigan, Career mentorship; resulted in publications

07/2023-06/2024 Tania Padila-Conde, University of Michigan, Career mentorship; resulted in publications

Postdoctoral Fellow

06/2017-07/2018 J. Swetha Jeganathan, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded; ongoing collaboration

03/2022-Present Patricia Hicks, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded; ongoing collaboration

Medical Student

07/2012-06/2013 Therese Peron, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

07/2013-06/2014 Hassan Tausif, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

07/2013-06/2015 Grace Boynton (Dunbar), University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

07/2014-06/2015 J. Clay Bavinger, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

07/2015-06/2016 Nita Valikodath, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

07/2017-06/2018 Miriam Hamid, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

07/2017-06/2018 Patrick Li, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

07/2017-06/2018 Nithya Vijayakumar, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

07/2017-06/2018 Lulia Kana, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

01/2018-Present Dena Ballouz, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

01/2018-07/2018 Yibing Zhang, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

01/2018-09/2018 Eileen Feng, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

05/2018-09/2018 Jennifer Huang, University of Toledo, Career mentorship; resulted in publications; resulted in grants awarded

05/2018-09/2018 Brenna Boullock, University of Toledo, Career mentorship; resulted in publications; resulted in grants awarded

07/2018-06/2019 Nenita Maganti, Northwestern University, Career mentorship; resulted in publications; resulted in grants awarded

07/2019-12/2019 Lyna Azzouz, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

07/2021-06/2022 Linda Kang, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

06/2022-06/2023 Keith Miller, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

06/2022-06/2023 Eric Sherman, Wayne State University, Career mentorship; resulted in publications; resulted in grants awarded

07/2023-06/2024 Emily Vogt, University of Michigan, Career mentorship; resulted in publications; resulted in grants awarded

Undergraduate Student

07/2013-06/2014 David Granidier, University of Michigan, Career mentorship; resulted in publication

07/2013-06/2014 Mishaal Khan, University of Michigan, Career mentorship; resulted in publications

09/2017-04/2020 Scott Orlov, University of Michigan, Career mentorship; resulted in publications

08/2019-04/2020 Joe Pongrac, University of Michigan, Career mentorship; resulted in publications

06/2020-06/2021 Kassim Salami, University of Michigan, Career mentorship; resulted in publications

06/2020-07/2023 Jenna Hart, University of Michigan, Career mentorship; resulted in publications

06/2023-Present Yazan Felwa, University of Michigan, Career mentorship; resulted in publications

08/2023-Present Holly Fan, University of Michigan, Career mentorship; resulted in publications

08/2023-Present Yeseul Ha, University of Michigan, Career mentorship; resulted in publications

Visiting Scholar

06/2016-07/2017 Keyong Hwan, Inje University College of Medicine, Career mentorship; resulted in publications; resulted in grants awarded

06/2018-05/2019 Matthais Kriegel, Augenzentrum am St. Franziskus Hospital Muenster, Career mentorship; resulted in publications; resulted in grants awarded

06/2022-06/2024 Divya Manohar, Aravind Eye Care Systems, Career mentorship; resulted in publications; resulted in grants awarded; ongoing collaboration

