

**CURRICULUM VITAE**  
**Michael J. Heiferman, MD**

**Post-Graduate Training**

- 2021 - 2022           Stanford University - Byers Eye Institute  
Ocular Oncology Fellowship
- 2019 - 2021           University of Illinois Chicago - Illinois Eye and Ear Infirmary  
Vitreoretinal Surgery Fellowship
- 2016 - 2019           Northwestern University - McGaw Medical Center  
Ophthalmology Residency
- 2015 - 2016           University of Chicago - NorthShore University HealthSystem  
Internal Medicine Internship

**Education**

- 2022 - 2025           Northwestern University - Kellogg School of Management  
MBA
- 2011 - 2015           Northwestern University - Feinberg School of Medicine  
MD
- 2007 - 2011           Northwestern University - Weinberg College of Arts and Sciences  
BA in Biological Sciences, Neurobiology concentration

**Honors**

- 2023                   Golden Apple Teacher of the Year Award, University of Illinois Chicago Department  
of Ophthalmology
- 2019                   Resident Research Award, Northwestern University Department of Ophthalmology
- 2018                   Academic Achievement Award, Northwestern University Department of Ophthalmology
- 2018                   Resident Awardee of the Medical Student Education Award, Northwestern University  
Department of Ophthalmology
- 2018                   Heed Ophthalmic Foundation Resident Retreat Attendee, Chicago, IL
- 2018                   Beem-Fisher Award, Chicago Ophthalmological Society resident research paper  
competition
- 2017                   National Eye Institute Travel Grant for ARVO, Baltimore, MD
- 2015                   Lee M. Jampol Award for outstanding achievement by a medical student in  
ophthalmology in clinical care and vision science research
- 2012                   Outstanding Poster, Medical Student Summer Research Program Poster Symposium,  
Northwestern University Feinberg School of Medicine, Chicago, IL
- 2012                   Top Five Basic Science Abstract, Basic Science Plenary Session, Academic Surgical  
Congress, New Orleans, LA
- 2011                   Graduated Cum Laude, Northwestern University, Evanston, IL
- 2010                   Undergraduate Research Grant Recipient, Northwestern University, Evanston, IL
- 2005                   Eagle Scout, Boy Scouts of America

### **Current License(s) to Practice**

2018-present                      Physician and Surgeon License Illinois State (active)  
2021-2023                         Physician and Surgeon License, California State (inactive)

### **Academic Appointments**

8/2021-present                    Assistant Professor  
Department of Ophthalmology and Visual Sciences  
University of Illinois Chicago, Chicago, IL  
  
8/2021-2/2022                    Adjunct Clinical Instructor  
Department of Ophthalmology  
Stanford University, Palo Alto, CA  
  
7/2019-7/2021                    Clinical Instructor  
Department of Ophthalmology and Visual Sciences  
University of Illinois Chicago, Chicago, IL

### **Hospital Staff Membership**

2019-present                      University of Illinois Hospital  
2022-present                      Jesse Brown Veteran's Affairs Medical Center  
2021-2022                         Stanford Hospital  
2021-2022                         Stanford Children's Hospital

### **Professional Organizations**

2025-present                      Retina Society  
2024-present                      American Association for Cancer Research (AACR)  
2023-present                      American Association of the Ophthalmic Oncologists and Pathologists (AAOOP)  
2022-present                      Collaborative Ocular Oncology Group (COOG)  
2022-present                      International Society of Ocular Oncology (ISOO)  
2021-present                      Association of University Professors of Ophthalmology (AUPO)  
2019-present                      American Society of Retina Specialists (ASRS)  
2016-present                      Chicago Ophthalmologic Society (COS)  
2015-present                      American Academy of Ophthalmology (AAO)  
2015-present                      Association for Research in Vision and Ophthalmology (ARVO)

## **Bibliography**

### ***Articles Submitted***

1. Sureshkumar H, Kolla S, Erukulla R, Ma W, Alahmadi R, Sun J, **Heiferman MJ**. Effects of Social Determinants of Health and Geography on Uveal Melanoma. *Clinical Ophthalmology*. [Submitted]
2. Gupta P, Kao E, Chadwick W, Alahmadi R, **Heiferman MJ**. Precision-Guided Suprachoroidal Injection Using Ultrasound Biomicroscopy and Custom-Length Microneedles. *OSLI Retina*. [Submitted]
3. Faraji M, Yi D, **Heiferman MJ**, Rashidisabet H. An Evaluation of the Mean Teacher Framework for Semi-Supervised Cataract Surgical Image Segmentation. *TVST*. [Submitted]
4. Dadzie AK, Iddir SP, Abtahi M, Ebrahimi B, Rahimi M, Ganesh S, Son T, **Heiferman MJ**, Yao X. Attention-Based Multimodal Deep Learning for Uveal Melanoma Classification Using Ultra-Widefield Fundus Images and Ocular Ultrasound. *JCO CCI*. [Submitted]
5. Narala R, **Heiferman MJ**, Mishra K, Naranjo A, Mahajan V, Mruthyunjaya P. Concurrent 27-Gauge Vitrectomy-Assisted Vitreous and Choroidal Biopsy in Uveal Melanoma. *Retina*. [Submitted]
6. Iddir S, Love J, Ma S, Bryan JM, Ganesh S, **Heiferman MJ**, Yi D. Predicting Malignant Transformation of Choroidal Nevi Using Machine Learning. *PLOS ONE* [Submitted]
7. Kadakia A, Sureshkumar H, Erukulla N, Alahmadi R, **Heiferman MJ**. Health Disparities and Barriers to Care in Open Globe Repairs. *Ophthalmic Epidemiology*. [Submitted]
8. Iddir SP, Chadwick WF, Sheth N, Alahmadi R, **Heiferman MJ**. Differential Diagnosis of Blood in Multiple Retinal Layers: Terson Syndrome Mimicking Valsalva Retinopathy. *OSLI Retina*. [Submitted]

### ***Articles In Press***

1. Chadwick WF, Ganesh S, Dadzie AK, Ebrahimi B, Rahimi M, Son T, Alahmadi R, Yao X, **Heiferman MJ**. Clinical Applications of Artificial Intelligence in Uveal Melanoma. *Anticancer Research*. In Press.
2. Gupta P, Kao E, Sheth N, Alahmadi A, **Heiferman MJ**. Gaze Characteristics Using a Three-Dimensional Heads-Up Display During Cataract Surgery. *Journal of Eye Movement Research*. In Press.
3. Sheth N, Bryan JM, Alahmadi R, **Heiferman MJ**. Correlation of Retinal Imaging Utilization with Anti-Vascular Endothelial Growth Factor and Panretinal Photocoagulation Usage from 2013-2021. *Retina*. In Press.
4. Sadhin MA, Dadzie AK, Abtahi M, Ebrahimi B, Sadhin AH, Son T, **Heiferman MJ**, Lim JI, Yao X. OCTA-AV: An Open-Source Toolbox for Artery-Vein Segmentation and Vascular Analysis in OCTA. *Biom Opt Exp*. In Press.
5. Gupta P, Kao E, Sheth N, Alahmadi A, **Heiferman MJ**. Assessment of Surgeon Gaze Characteristics During Pars Plana Vitrectomy and Membrane Peeling. *JVRD*. In Press.
6. Tasso V, Ganesh S, Iddir S, Alahmadi R, **Heiferman MJ**, Yi D. Uveal Melanoma Classification,

Detection, and Segmentation: A Comparative Analysis of Machine Learning Tasks. TVST. In Press.

7. Bryan JM, Sheth N, **Heiferman MJ**. Trends in Anti-Vascular Endothelial Growth Factor Injections Among Medicare Part B Beneficiaries, 2013-2021 and the Step Therapy Era. JVRD. In Press.

***Published Manuscripts/Peer Reviewed Journal Articles***

1. McCann M, Baccouche B, Li Y, Roy P, Sheth N, Lim JI, Mieler WF, Chau FY, Ulanski LJ, Chan RVP, Monroe M, Hyde RA, Berek C, Ong A, De S, Kitajewski B, Chee R, Leiderman YI, **Heiferman MJ**, Kazlauskas A. Profiling the Molecular Landscape of the Anti-VEGF Target Cell Type in Patients with Proliferative Diabetic Retinopathy. Signal Transduction and Targeted Therapy. 2025 Oct 22;10(1):350.
2. Bitra J, Sureshkumar H, Eathara AV, Ghosh S, **Heiferman MJ**. Risk Factors for Recurrent Vitreous Hemorrhage after 25-Gauge Pars Plana Vitrectomy in Patients with Proliferative Diabetic Retinopathy. JVRD. 2025 Jul;0(0).
3. Abtahi M, Ebrahimi B, Dadzie AK, Rahimi M, Kolla S, Hsieh YT, **Heiferman MJ**, Lim JI, Yao X. Deep learning segmentation of periarterial and perivenous capillary-free zones in optical coherence tomography angiography. J Biomed Opt. 2025 May;30(5):056005.
4. Gupta P, Sheth N, Alahmadi R, Yao X, **Heiferman MJ**. The Effect of Experience on Visual Search Patterns in Retinal Imaging Analysis. OSLI Retina. 2025 Mar 1:1-9.
5. Dadzie AK, Iddir SP, Ganesh S, Ebrahimi B, Rahimi M, Abtahi M, Son T, **Heiferman MJ**, Yao X. Artificial Intelligence in the Diagnosis of Uveal Melanoma: Advances and Applications. Exp. Biol. Med. 250:10444
6. Yu MD, **Heiferman M**, Korot E, Ahluwalia A, Yu G, Mruthyunjaya P. Pixel intensity to estimate choroidal tumor thickness using 2-dimensional ultra-widfield images. JAMA Ophthalmology. 2025.
7. Nhan NTT, Ganesh S, Maidana DE, **Heiferman MJ**, Yamada KH. Uveal Melanoma with a GNA11/GNAQ mutation secretes VEGF for Systemic Spread. Sig Transduct Target Ther 2025 Feb 10;10(1):51.
8. Selvam A, Gabr H, Chan RP, **Heiferman MJ**. Coats disease presenting with vitreous hemorrhage and neovascular glaucoma. American Journal of Ophthalmology Case Reports. 2025 Mar 1;37:102232.
9. Sheth N, Bhat P, **Heiferman MJ**. West Nile Retinopathy. Ophthalmology Retina. 2025 Jan 1;9(1):e4.
10. Dadzie AK, Le D, Abtahi M, Ebrahimi B, Adejumo T, Son T, **Heiferman MJ**, Lim JI, Yao X. OCTA-ReVA: Comprehensive open-source tool for retinal vessel analysis in OCTA. Biomedical Optics Express. 2024 Sep 25;15(10):6010-23.
11. Rahimi M, Rossi A, Son T, Adejumo T, Dadzie AK, **Heiferman MJ**, Yao X. High dynamic range widefield fundus photography with transcranial illumination: a contrast agent-free method for non-mydratric choroidal imaging. Biomedical Optics Express. 2024 Dec 5;16(1):84-96.

12. Abtahi M, Le D, Ebrahimi B, Dadzie AK, Rahimi M, Hsieh YT, Heiferman MJ, Lim JI, Yao X. Differential artery-vein analysis improves the OCTA classification of diabetic retinopathy. *Biomed Opt Express*. 2024 May 22;15(6):3889-3899.
13. Sureshkumar H, Eathara A, Datta A, Alahmadi R, Nguyen RH, **Heiferman MJ**. Association Between Uveal Melanoma and Allostatic Load. *Anticancer Research*. 2024 Aug 1;44(8):3375-80.
14. Abtahi M, Le D, Ebrahimi B, Dadzie AK, Rahimi M, Hsieh YT, Heiferman MJ, Lim JI, Yao X. Differential Capillary and Large Vessel Analysis Improves OCTA Classification of Diabetic Retinopathy. *Invest Ophthalmol Vis Sci*. 2024 Aug 1;65(10):20.
15. Thomson K, Khalid S, Sabherwal N, **Heiferman MJ**. Association between Tobacco Smoking and the Development of Diabetic Macular Edema. *Journal of VitreoRetinal Diseases*. 2024 Jun 17:24741264241269479.
16. Rossi A, Zeng Y, Rahimi M, Son T, **Heiferman MJ**, Gong C, Sun X, Soleimani M, Djalilian AR, Humayun MS, Zhou Q. Integrating a Fundus Camera with High-Frequency Ultrasound for Precise Ocular Lesion Assessment. *Biosensors*. 2024 Feb 29;14(3):127.
17. Rahimi M, Rossi A, Son T, Dadzie AK, Ebrahimi B, Abtahi M, **Heiferman MJ**, Yao X. Multispectral Fundus Photography of Choroidal Nevi with Trans-Palpebral Illumination. *Trans. Vis. Sci. Tech*. 2024; 13(3):25.
18. Ma J, Iddir SP, Ganesh S, Yi D, **Heiferman MJ**. Automated segmentation for early detection of uveal melanoma. *Canadian Journal of Ophthalmology*. 2024 May 18.
19. Dadzie AK, Iddir SP, Abtahi M, Ebrahimi B, Le D, Ganesh S, Son T, **Heiferman MJ**, Yao X. Colour fusion effect on deep learning classification of uveal melanoma. *Eye*. 2024 May 21:1-7.
20. Ross A, Rahimi M, Son T, Chan RVP, **Heiferman MJ**, Yao X. Preserving polarization maintain photons for enhanced contrast imaging of the retina. *Biomedical Optics Express*. 2023 Nov 1;14(11):5932-45.
21. Rahimi M, Rossi A, Son T, Le D, Abtahi M, **Heiferman MJ**, Chan RVP, Yao X. Evaluating Spatial Dependency of Spectral Efficiency in Trans-Palpebral Illumination for Widefield Fundus Photography. *Biomedical Optics Express*. 2023 Oct 1; 14(11):5629-41.
22. Kadakia A, Zhang J, Yao X, Zhou Q, **Heiferman MJ**. Ultrasound in Ocular Oncology: technical advances, clinical applications, and limitations. *Experiment Biology and Medicine*. 2023 Mar;248(5):371-9.
23. Rossi A, Rahimi M, Le D, Son T, **Heiferman MJ**, Chan RVP, Yao X. A Portable Widefield Fundus Camera with High Dynamic Range Imaging Capability. *Biomedical Optics Express*. 2023 Feb 1; 14(2):906-17.
24. **Heiferman MJ**, Yu M, Mruthyunjaya P. Update in Molecular Testing for Intraocular Lymphoma. *Cancers*. 2022 Sep 20; 14(19):4546.
25. **Heiferman MJ**, Mahajan V, Mruthyunjaya P. Proteomics in uveal melanoma. *Curr Opin Ophthalmol*. 2022 May 1;33(3):202-10.
26. Jabbehdari S, **Heiferman MJ**, Mieler WF. Unilateral Ocular Mass in a Patient with Migraine

- Headaches. *Ann Clin Case Rep.* 2020; 5:1884.
27. Heiferman DM, **Heiferman MJ**, Africk B, Ghadiali L, Price EB, Pappu S, Serrone J, Kang JU, Prabhu VC. Optical Coherence Tomography and Its Relevance to Neurosurgical Practice. *Contemporary Neurosurgery.* Jul 2019. 41(11):1-7.
  28. **Heiferman MJ**, Fawzi AA. Progression of Subclinical Choroidal Neovascularization in Age-Related Macular Degeneration. *PLoS ONE.* Jun 2019. 14(6): e0217805.
  29. **Heiferman MJ**, Khanna S, Gu D, Agron S, Eichinger SE, Bryar PJ. Emergency Department Ophthalmology Consultations in a Tertiary Care Hospital. *Journal of Academic Ophthalmology. J Acad Ophthalmol.* Apr 2019. 11(01):e25-e29.
  30. **Heiferman MJ.** Transition of Care in Ophthalmology Residency Training Programs. *Ophthalmology.* Apr 2019. 126(4):488-489.
  31. Gattoussi S, Freund KB, **Heiferman MJ**, Fawzi AA. A Unilateral Vitelliform Maculopathy in the Childhood. Diagnostic and Therapeutic Challenges. *Retina.* Sep 2018. 38(9):1876-1880.
  32. Ding Y, Mullapudi B, Torres C, Mascarinas E, Mancinelli G, Diaz A, Mckinney R, Barron M, Schultz M, **Heiferman M**, Wojtanek M, Adrian K, DeCant B, Rao S, Ouellette M, Tsao M, Bentrem D, Grippo P. Omega-3 Fatty Acids Prevent Early Pancreatic Carcinogenesis via Repression of the AKT Pathway. *Nutrients.* Sep 2018. 10(9):1289.
  33. **Heiferman MJ**, Griebenow EJ, Gill MK, Fawzi AA. Morphological Implications of Vascular Structures Not Visualized on Optical Coherence Tomography Angiography in Retinal Vein Occlusions. *Ophthalmic Surg Lasers Imaging Retina.* Jun 2018. 1;49(6):392-396.
  34. **Heiferman MJ**, Rahmani S, Jampol LM, Nesper PL, Skondra D, Kim LA, Fawzi AA. Acute Posterior Multifocal Placoid Pigment Epitheliopathy on Optical Coherence Tomography Angiography. *Retina.* Nov 2017. 37(11):2084-2094.
  35. **Heiferman MJ**, Fawzi AA. Discordance between Blue-Light Autofluorescence and Near-Infrared Autofluorescence in Age-Related Macular Degeneration. *Retina.* Dec 2016. 36:S137-S146.
  36. **Heiferman MJ**, Fernandes JK, Munk MR, Mirza R, Jampol LM, Fawzi AA. Reticular Pseudodrusen on Infrared Reflectance are Topographically Distinct from Subretinal Drusenoid Deposits on En Face Optical Coherence Tomography. *Retina.* Dec 2015. 35(12):2593-603.
  37. Phillips JD, Knab LM, Blatner NR, Hagi L, DeCamp M, Meyerson S, **Heiferman MJ**, Heiferman JR, Gounaris F, Bentrem DJ, Khazaie K. Preferential Expansion of Pro-inflammatory Tregs in Non-Small Cell Lung Cancer. *Cancer Immunol Immunother.* Sep 2015. 64(9):1185-91.
  38. Gounaris E\*, **Heiferman MJ\***, Heiferman JR, Shrivastav M, Vitello D, Blatner NR, Knab LM, Phillips JD, Cheon EC, Grippo PJ, Khazaie K, Munshi HG, Bentrem DJ. Zileuton, 5-Lipoxygenase Inhibitor, Acts as a Chemopreventive Agent in Intestinal Polyposis, by Modulating Polyp and Systemic inflammation. *PLoS ONE.* Mar 2015. 10(3):e0121402.
  39. Grippo PJ, Fitchev PS, Bentrem DJ, Melstrom LG, Dangi-Garimella S, Krantz SB, **Heiferman MJ**, Chung C, Adrian K, Cornwell ML, Flesche JB, Rao SM, Talamonti MS, Munshi HG, Crawford SE. Concurrent PEDF Deficiency & Kras Mutation Induce Invasive Pancreatic Cancer & Adipose-Rich

- Stroma in Mice. Gut. Oct 2012. 61(10):1454-64.
40. Cheon EC, Strouch MJ, Krantz SB, **Heiferman MJ**, Bentrem DJ. Genetic deletion of 5-lipoxygenase increases macrophage infiltration in APC<sup>Δ468</sup> mice. J Gastrointest Surg. Feb 2012. 16(2):389-93.
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  42. Garimella SD, Krantz SB, Barron MR, Shields MA, **Heiferman MJ**, Grippo PJ, Bentrem DJ, Munshi HG. Three dimensional collagen I promotes gemcitabine resistance in pancreatic cancer through increased membrane type 1-matrix metalloproteinase-mediated HMGA2 expression. Cancer Res. Feb 2011. 71(3):1019-28.
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### ***Chapters***

1. Sheth N, **Heiferman MJ**. Ocular View. Mastering the Art of Medical Ultrasound. First Edition. 2024.
2. Sheth N, **Heiferman MJ**. Cavernous Hemangioma of the Retina. Oncology Section. ASRS Retina Atlas.
3. **Heiferman MJ**, Mruthyunjaya, P. Vitreous, retina and choroidal biopsy. Vitreoretinal Surgery.
4. Hassan M, **Heiferman MJ**, Mruthyunjaya, P. Intraocular Lymphoma: Biopsy Techniques. Chapter 7. Ocular and Adnexal Lymphoma. Second Edition. 2023.
5. **Heiferman MJ**, Mieler, WF. Retinal capillary hemangioma. Chapter 74. Clinical Cases in Medical Retina. First Edition. 2023.
6. **Heiferman MJ**, Fung AT, Mieler, WF. Intraocular Foreign Bodies. Chapter 27.2. Vitreoretinal Surgery for the Trainee. Second Edition. 2022.

### ***Other Publications***

1. **Heiferman MJ**. Autologous Stem Cell Transplantation in the Treatment of Isolated Vitreoretinal Lymphoma. AAO ONE Network Editors' Choice. June 2025.
2. Winebrake JP, **Heiferman MJ**. Anterior Segment Plaque Brachytherapy. AAO ONE Network 1-Minute Video. January 2025.
3. **Heiferman MJ**. Oral Belzutifan Shows Efficacy in Ocular von Hippel-Lindau Disease. AAO ONE Network Editors' Choice. November 2024.
4. Ma CJ, **Heiferman MJ**. Transscleral Choroidal Biopsy. AAO ONE Network 1-Minute Video. July 2024.
5. **Heiferman MJ**. Sociodemographic Factors May Be Related to Quality of Ocular Oncology Care. AAO ONE Network Editors' Choice. June 2024.

6. **Heiferman MJ.** Melphalan Offers the First Liver-Directed Therapy for Metastatic Uveal Melanoma. AAO ONE Network Editors' Choice. March 2024.
7. **Heiferman MJ,** Chan, RVP. Updates in Pediatric Retinal Imaging. Retina Today. July/Aug 2020. 38-40.
8. **Heiferman MJ,** Simonett J, Fawzi AA. En Face OCT Imaging in Retinal Disorders: An emerging technique offers innovative insights. Retinal Physician. Jun 2015. 12:45-48,50.

## **Presentations**

### ***Local***

1. **Heiferman MJ.** Artificial Intelligence and Identifying Intraocular Tumors. 18<sup>th</sup> Annual Retina Symposium. Mar 2025.
2. **Heiferman MJ.** Fine Needle Aspiration Biopsy for Uveal Melanoma. 25<sup>th</sup> Annual Advanced Vitreoretinal Techniques and Technology Symposium. Aug 2024.
3. **Heiferman MJ.** Pars Plana Vitrectomy for Visually Significant Floaters. 25<sup>th</sup> Annual Advanced Vitreoretinal Techniques and Technology Symposium. Aug 2024.
4. **Heiferman MJ.** Assessment of a Vitreous and Chorioretinal Biopsy Specimen in Establishing a Diagnosis of Primary Vitreoretinal Lymphoma. 24<sup>th</sup> Annual Advanced Vitreoretinal Techniques and Technology Symposium. Aug 2023.
5. **Heiferman MJ.** Multitarget Therapies in the Setting of Diabetic Macular Edema. 24<sup>th</sup> Annual Advanced Vitreoretinal Techniques and Technology Symposium. Aug 2023.
6. **Heiferman MJ.** Update of the Management and Treatment of Uveal Melanoma. 24<sup>th</sup> Annual Advanced Vitreoretinal Techniques and Technology Symposium. Aug 2023.
7. **Heiferman MJ.** Home Monitoring to Detect Onset of Choroidal Neovascularization to Improve Visual Outcomes. 24<sup>th</sup> Annual Advanced Vitreoretinal Techniques and Technology Symposium. Aug 2023.
8. Gupta P, **Heiferman, MJ.** The Effect of Experience on Visual Search Patterns in Ophthalmologic Imaging. Chicago Area Undergraduate Research Symposium. Chicago, IL, April 2023.
9. **Heiferman MJ.** Detection and Management of Ocular Lymphoma. 16<sup>th</sup> Annual UIC Retina Symposium, Chicago, IL, Mar 2023.
10. **Heiferman MJ.** A Case of Sarcoid Panuveitis. Rabb Retina Study Club. Sep 2022.
11. **Heiferman MJ,** Hyde R. Transitioning from Fellowship and Finding your First Job. 23<sup>rd</sup> Annual Advanced Vitreoretinal Techniques and Technology Symposium. Aug 2022.
12. **Heiferman MJ.** Prevention of Radiation Retinopathy. 23<sup>rd</sup> Annual Advanced Vitreoretinal Techniques and Technology Symposium. Aug 2022.
13. **Heiferman MJ.** Combination Therapy for Proliferative Diabetic Retinopathy. 23<sup>rd</sup> Annual Advanced Vitreoretinal Techniques and Technology Symposium. Aug 2022.
14. **Heiferman MJ,** Hyde R. Transitioning from Fellowship and Finding your First Job. 23<sup>rd</sup> Annual Advanced Vitreoretinal Techniques and Technology Symposium. Aug 2022.
15. **Heiferman MJ.** Updates in the Management of Uveal Melanoma. 15<sup>th</sup> Annual UIC Retina

Symposium, Chicago, IL, Mar 2022.

16. **Heiferman MJ**, Lim JL. Chronic Endophthalmitis due to Cutibacterium acnes. Rabb Retina Study Club. Mar 2021
17. **Heiferman MJ**. Pars Plana Vitrectomy for Repair of a Primary Rhegmatogenous Retinal Detachment. Advanced Vitreoretinal Techniques and Technology Symposium. Aug 2020.
18. **Heiferman MJ**. Central Retinal Artery Occlusion in Giant Cell Arteritis. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, Feb 2019.
19. **Heiferman MJ**. Radiation Retinopathy. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, Oct 2018.
20. **Heiferman MJ**. Antiphospholipid Antibody Syndrome. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, Sept 2018.
21. **Heiferman MJ**. Management of Intraoperative Iris Prolapse. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, Feb 2018.
22. **Heiferman MJ**, Lissner GS. Nasolacrimal Duct Obstruction Secondary to Orbital Fracture. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, Aug 2017.
23. **Heiferman MJ**, Rosenberg MA. Solid Persistent Facial Edema Syndrome. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, Oct 2017.
24. **Heiferman MJ**, Volpe NJ. Third Nerve Palsy Secondary to Cavernoma. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, Jul 2017.
25. **Heiferman MJ**. Stellate Nonhereditary Idiopathic Foveomacular Retinoschisis. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, May 2017.
26. **Heiferman MJ**. Premature Ventricular Contractions as a Risk Factor for Retinal Artery Occlusion. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, Apr 2017.
27. **Heiferman MJ**, Volpe NJ. Optic Nerve Melanocytoma. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, Mar 2017.
28. **Heiferman MJ**, Volpe NJ. Venous Sinus Stenosis. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, Mar 2017.
29. **Heiferman MJ**, Kurup SP. Acute Acquired Comitant Esotropia. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, Oct 2016.
30. **Heiferman MJ**, Rosenberg MA. Perioperative Central Retinal Artery Occlusion. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, Oct 2016.

31. **Heiferman MJ**, Birnbaum AD. Neurosarcoidosis Mimicking Idiopathic Intracranial Hypertension. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, Sept 2016.
32. **Heiferman MJ**. Neurosarcoidosis. Department of Medicine Morning Report. University of Chicago Medical Center - NorthShore. Evanston, IL, Mar 2016.
33. **Heiferman MJ**. Upper Eyelid Lesions. Department of Ophthalmology Grand Rounds. Loyola University Stritch School of Medicine, Maywood, IL, Aug 2014.
34. **Heiferman MJ**. Alternating Monocular Elevation Palsy and Internuclear Ophthalmoplegia Caused by a Midbrain Stroke. Department of Ophthalmology Grand Rounds. Northwestern University Feinberg School of Medicine, Chicago, IL, Feb 2014.
35. **Heiferman MJ**. Oral Zileuton, a 5-Lipoxygenase Inhibitor, Suppresses Intestinal Polyposis. Department of Surgery Grand Rounds, Northwestern University Feinberg School of Medicine. Chicago, IL, Feb 2013.

***National***

1. Narala R, **Heiferman MJ**, Mishra K, Mahajan V, Mruthyunjaya P. Concurrent 27-Gauge Vitrectomy-Assisted Vitreous and Choroidal Biopsy in Uveal Melanoma. ISOO, Rio, Brazil. March 2026.
2. Lim JI, Abtahi M, Ebrahimi B, Dadzie A, Rahimi M, Hsieh YT, **Heiferman MJ**, Yao X. Capillary Free Zone (CFZ) Analysis as a Quantitative Biomarker for Detection of Early Diabetic Retinopathy. Macula Society. Coronado, CA. February 2026.
3. Rossi A, **Heiferman MJ**, Yao X. Developing a Handheld Ultra-Widefield Fundus Camera for Nonmydriatic Pan-Retinal Imaging. SPIE Ophthalmic Technologies XXXVI. San Francisco, CA. January 2026.
4. Dadzie A, **Heiferman MJ**, Yao X. Stereo-Vision-Inspired Deep Learning for Inferring Choroidal Tumor Thickness from 2D Fundus Images. SPIE Ophthalmic Technologies XXXVI. San Francisco, CA. January 2026.
5. **Heiferman MJ**. Near-Infrared Transillumination for Intraoperative Visualization of Uveal Melanoma. Innovate Ocular Oncology. Palo Alto, CA. November 2025.
6. **Heiferman MJ**. Optimization of Machine Learning Analysis of Uveal Melanoma Imaging. Innovate Ocular Oncology. Palo Alto, CA. November 2025.
7. **Heiferman MJ**. Artificial Intelligence for Diagnosis and Prognostication of Uveal Melanoma. Ocular Oncology and Pathology Subspecialty Day. Orlando, FL. October 2025.
8. **Heiferman MJ**. Small Choroidal Melanoma: Can Artificial Intelligence do the Trick. Ohio Ocular Oncology Symposium. Cleveland, OH. June 2025.
9. Son T, Rahimi M, Rossi A, Adejumo T, Dadzie AK, **Heiferman MJ**, Yao X. Transcranial Illumination Enables Robust Choroidal Visualization. ARVO. Salt Lake City, Utah. May 2025.
10. Mansour Abtahi, Behrouz Ebrahimi, Albert K. Dadzie, Mojtaba Rahimi, Srishti Kolla, Yi-Ting Hsieh, **Michael J. Heiferman**, Jennifer I. Lim, and Xincheng Yao. Deep Learning Segmentation of

- Periarterial and Perivenous Capillary-Free Zones in Optical Coherence Tomography Angiography. Retina Society. Chicago, IL. September 2025.
11. **Heiferman MJ**, Ma S, Iddir S, Ganesh S, Yi D. Machine Learning Automated Segmentation for Early Detection of Uveal Melanoma. ISOO. Goa, India. December 2024.
  12. **Heiferman MJ**. Trans-palpebral illumination for imaging choroidal tumors. Innovate Ocular Oncology. Palo Alto, CA. November 2024.
  13. **Heiferman MJ**. Machine Learning Analysis of Uveal Melanoma Imaging. Innovate Ocular Oncology. Palo Alto, CA. November 2024.
  14. **Heiferman MJ**. Retinal Vascular Disease Update. IJCAHPO ACE Retina Subspecialty Session. Chicago, IL. October 2024.
  15. **Heiferman MJ**, Ma S, Iddir S, Ganesh S, Yi D. Machine Learning Automated Segmentation for Early Detection of Uveal Melanoma. AAO. Chicago, IL. October 2024.
  16. **Heiferman MJ**, Ma S, Iddir S, Ganesh S, Yi D. Machine Learning Analysis of Uveal Melanoma Imaging. AAOOP. Chicago, IL. October 2024.
  17. Lim JI, Abtahi M, Le D, Ebrahimi B, Dadzie AK, Rahimi M, Hsieh YT, **Heiferman MJ**, Yao X. Differential Artery-Vein Analysis Improves OCTA Classification of Diabetic Retinopathy ASRS. Stockholm, Sweden. July 2024.
  18. **Heiferman MJ**, Ma J, Iddir SP, Ganesh S, Yi D. Automated Segmentation for Early Detection of Intraocular Tumors. ARVO May 2024. Seattle, WA.
  19. Ma C, **Heiferman MJ**. A Case of West Nile Retinopathy. The Show – Retina Consultants of America Rounds. April 2024.
  20. **Heiferman MJ**. Atypical Presentation of a Ciliary Body Mass. Regional Pan-American Congress of Ophthalmology. San Juan, Puerto Rico. March 2024.
  21. Sheth N, **Heiferman MJ**. Atypical Ultrasound Biomicroscopy Appearance of a Ciliary Melanoma. ISOO Virtual Meeting. January 2024.
  22. Dadzie A, **Heiferman MJ**, Yao X. Deep Learning for Automated Diagnosis of Uveal Melanoma. Society of Photographic Instrumentation Engineers. SPIE Photonics West. San Francisco, CA, January 2024. **SPIE Travel Grant Recipient**.
  23. Bryan JM, Sheth N, **Heiferman MJ**. Trends in Anti-VEGF Injections in the Step Therapy Era. Retina Society. San Francisco, CA, November 2023.
  24. **Heiferman MJ**, Bryan JM, Sheth N. Trends in Anti-VEGF Injections in the Step Therapy Era. Retina Society. New York, NY, October 2023.
  25. Korot E, Yu MD, Harby LA, Ching J, **Heiferman MJ**, Narala R, Sokol JT, Damato B, Sagoo MS, Mruthyunjaya P. AutoML Artificial Intelligence-based Screening of Melanocytic Choroidal Lesions: Consensus Task-Driven Grading Guidelines. Retina Society. New York, NY. October 2023.
  26. Mruthyunjaya P, **Heiferman MJ**, Ahluwalia A, Yu G, Korot E, Yu, MD. A Validated Approach to Estimating Choroidal Lesion Thickness Using 2D Ultra-Widefield Optomap Images with

- Implications for High Risk Lesion Detection. ASRS. Seattle, WA, April 2023.
27. **Heiferman MJ**, Naranjo A, Narala R, Mruthyunjaya P. 27-Gauge Vitrectomy-Assisted Vitreous and Choroidal Biopsy for Uveal Melanoma. ASRS. Seattle, WA, April 2023.
  28. Mruthyunjaya P, Vu J, Velez G, Chemudupati T, **Heiferman MJ**, Mahajan VB. Vitreous Proteomics by Mass Spectrometry Correlates with Gene Expression Profile of Uveal Melanoma. ISOO. Leiden, NL, Jun 2022.
  29. Mruthyunjaya P, Yu M, Korot E, **Heiferman MJ**. Novel Approach to Estimating Melanocytic Choroidal Lesion Thickness Using 2D Ultra-Widefield Images. The Retina Society. Pasadena, CA, November 2022.
  30. Yu M, **Heiferman MJ**, Korot E, Mruthyunjaya M. A Novel Approach to Estimating Melanocytic Choroidal Lesion Thickness Using 2D Ultra-Widefield Images. ARVO. Denver, CO, May 2022.
  31. **Heiferman MJ**, Meiler WF. YL. Ciliary body granuloma in ocular sarcoidosis mimicking melanoma. MOAC. Santa Fe, NM, Aug 2021.
  32. **Heiferman MJ**, Chan RVP. Retinal detachment repair in ocular toxocariasis. MOAC. Santa Fe, NM, Aug 2021.
  33. **Heiferman MJ**, Leiderman YL. Branch retinal artery occlusion associated with a prepapillary loop. MOAC. Santa Fe, NM, Aug 2021.
  34. **Heiferman MJ**, Hyde RA, Mieler WF. Pericentral Retinitis Pigmentosa. Yannuzzi Rounds. Virtual Meeting. Nov 2020.
  35. **Heiferman MJ**, Fawzi AA. Discordance Between Fundus Autofluorescence and Near-Infrared Autofluorescence in Age-Related Macular Degeneration. AAO. Las Vegas, NV, Nov 2015.
  36. Fawzi A, **Heiferman M**, Fernandes J, Mirza R, Munk M, Jampol L. Reticular Pseudodrusen are Topographically Distinct from Subretinal Drusenoid Deposits on En Face Optical Coherence Tomography. 38<sup>th</sup> Annual Macula Society Meeting. Scottsdale, AZ, Feb 2015.
  37. Knab LM, **Heiferman MJ**, Samiei A, Phillips JD, Heiferman JR, Bentrem DJ, Adrian K, Grippo PJ. Homozygous Loss of 5-Lipoxygenase Suppresses Pancreatic Neoplasia in EL-Kras And Pdx-Cre/LSL-Kras Mice. 8th Annual Academic Surgical Congress. New Orleans, LA, Feb 2013.
  38. Knab LM, Phillips JD, Blatner NR, DeCamp MM, Meyerson SL, De Hoyos A, **Heiferman MJ**, Heiferman JR, Khazaie K, Bentrem DJ. The Role of T-cell Subpopulations In Patients With Non-Small Cell Lung Cancer. 8th Annual Academic Surgical Congress. New Orleans, LA, Feb 2013.
  39. **Heiferman MJ**, Heiferman JR, Blatner NR, Phillips JD, Cheon EC, Knab LM, Wayne EA, Khazaie K, Grippo PJ, Bentrem DJ. 5-Lipoxygenase Inhibition Attenuates Intestinal Polyposis Through Suppression of Inflammation. 8th Annual Academic Surgical Congress. New Orleans, LA, Feb 2013.
  40. Krantz SB, Strouch MJ, Cheon EC, **Heiferman MJ**, Munshi HG, Khazaie K, Bentrem DJ. Mast Cells Can Mediate Increased Invasion in Pancreatic Cancer Cell Lines. 5th Annual Academic Surgical Congress. San Antonio, TX, Feb 2010.

41. Cheon EC, Strouch MJ, Krantz SB, **Heiferman MJ**, Dennis KL, Blatner NR, Khazaie K, Bentrem DJ. Genetic deletion of 5-Lipoxygenase suppresses intestinal polyposis in Apc<sup>Δ468</sup> knockout mice. 5th Annual Academic Surgical Congress. San Antonio, TX, Feb 2010.
42. Strouch MJ, Milam BM, Melstrom LG, Salabat MR, Heiferman DM, **Heiferman MJ**, Ding XZ, Adrian TA, Bentrem DJ. Apigenin potentiates Gemcitabine-induced growth arrest of pancreatic cancer cells through blocking of gemcitabine-induced up regulation of cell cycle proteins. Association for Academic Surgeons Annual meeting. San Francisco, CA, Feb 2008.

## Posters

1. McCann M, Baccouche B, Li Y, Roy P, Sheth N, Lim JI, Mieler WF, Chau FY, Ulanski LJ, Chan RVP, Monroe M, Hyde RA, **Heiferman MJ**, Berek C, Ong A, De S, Kitajewski B, Chee R, Leiderman YI, Kazlauskas A. Profiling the Molecular Landscape of the Anti-VEGF Target Cell Type in Patients with Proliferative Diabetic Retinopathy. ARVO. Salt Lake City, Utah. May 2025.
2. Ebrahimi B, Abtahi M, Dadzie AK, **Heiferman MJ**, Lim JI, Yao X. Deep Learning Prediction of Retinal Thickness Map from Fundus Photography of Diabetic Macular Edema. ARVO. Salt Lake City, Utah. May 2025.
3. Ebrahimi B, Abtahi M, Dadzie AK, Rahimi M, Kolla S, Hsieh YT, **Heiferman MJ**, Lim JI, Yao X. Deep Learning Segmentation of Periarterial and Perivenous Capillary-Free Zones in OCTA for Early Detection of Diabetic Retinopathy. ARVO. Salt Lake City, Utah. May 2025.
4. Dadzie AK, Iddir SP, Abtahi M, Ebrahimi B, Rahimi M, Ganesh S, Son T, **Heiferman MJ**, Yao X. Attention-Based Multimodal Deep Learning for Uveal Melanoma Classification Using Ultra-Widefield Fundus Images and Ocular Ultrasound. ARVO. Salt Lake City, Utah. May 2025.
5. Faraji M, Rashidisabet, **Heiferman MJ**, Yi D. Evaluating a Semi-Supervised Segmentation Method in Cataract Surgical Images. ARVO. Salt Lake City, Utah. May 2025.
6. **Heiferman MJ**, Sureshkumar H, Eathara A, Datta A, Nguyen R. Association Between Allostatic Load and Extraocular Extension in Uveal Melanoma. ISOO. Goa, India. December 2024.
7. Yu M, **Heiferman MJ**, Korot E, Yonekawa Y, Shields CL, Mruthyunjaya P. A Novel Approach to Estimating Choroidal Tumor Thickness Using 2D Ultra-Widefield Images (Optos and Clarus) ISOO. Goa, India. December 2024.
8. **Heiferman MJ**, Ma S, Iddir S, Ganesh S, Yi D. Machine Learning Automated Segmentation for Early Detection of Uveal Melanoma. ASRS. Stockholm, Sweden. July 2024.
9. Gupta P, **Heiferman MJ**. Effects of Experience on Cataract Surgery through Gaze-Tracking Technology. UIC URG 2024 and CAURS 2024.
10. Thomson K, Khalid S, **Heiferman MJ**, Sabherwal N. The Association between Tobacco Smoking and the Development of Diabetic Macular Edema. ARVO 2024. Seattle, WA.
11. Abtahi M, Le D, Ebrahimi B, Dadzie AK, Rahimi M, Hsieh YT, **Heiferman MJ**, Lim JI, Yao X. Differential Capillary and Large Vessel Analysis Improves OCTA Classification of Diabetic Retinopathy. ARVO 2024. Seattle, WA.

12. Sureshkumar H, Eathara AV, Datta A, Nguyen RH, **Heiferman MJ**. Association Between Uveal Melanoma and Allostatic Load. ARVO 2024. Seattle, WA.
13. Rahimi M, Rossi A, Son T, Dadzie AK, Ebrahimi B, Abtahi. M, **Heiferman MJ**, Yao X. Evaluating Spectral and Geometric Characteristics of Choroidal Nevi through Multispectral Fundus Photography with Trans-Palpebral Illumination. ARVO 2024. Seattle, WA.
14. Rossi A, Zeng Y, **Heiferman MJ**, Zhou Q, Yao X. Hybrid Light-Ultrasound Imager for Enhanced Ocular Lesion Assessment. ARVO 2024. Seattle, WA.
15. Sheth N, Bryan JM, **Heiferman MJ**. Regional Variation of Retinal Imaging, Anti-Vascular Growth Factor, and Panretinal Photocoagulation Usage Across the United States from 2013-2021. ARVO 2024. Seattle, WA; UIC Spring Scholarly Symposium. **Norman P. Blair, MD Research Award**
16. Abtahi M, Le D, Ebrahimi B, Dadzie AK, Rahimi M, Hsieh YT, **Heiferman MJ**, Lim JI, Yao X. Differential Capillary and Large Vessel Analysis Improves OCTA Classification of Diabetic Retinopathy. ARVO 2024. Seattle, WA.
17. Iddir SP, Ma J, Ganesh S, Yi D, **Heiferman MJ**. Predicting Malignant Transformation of Choroidal Nevi Using Machine Learning. CCOI Virtual Conference 2024 and ARVO 2024. Seattle, WA.
18. **Heiferman MJ**, Iddir S, Love J, Ma S, Bryan JM, Ganesh S, Yi D. Predicting Malignant Transformation of Choroidal Nevi Using Machine Learning. Floretina 2023. Rome, Italy.
19. **Heiferman MJ**, Bitra J, Sureshkumar H, Eathara AV, Ghosh S. Risk Factors for Recurrent Vitreous Hemorrhage after 25-Gauge Pars Plana Vitrectomy in Patients with Proliferative Diabetic Retinopathy. Floretina 2023. Rome, Italy.
20. Dadzie AK, Iddir S, Abtahi M, Ebrahimi B, Le D, Son T, **Heiferman MJ**, Yao X. Deep Learning for Automated Diagnosis of Uveal Melanoma. SPIE Optics and Photonics Meeting. San Diego, CA. August 2023.
21. Sheth N, Bitra J, Sureshkumar H, Eathara A, Ghosh S, **Heiferman MJ**. The Effect of Pars Plana Vitrectomy and Perioperative anti-VEGF Agents on Diabetic Macular Edema. ASRS. Seattle, WA, April 2023.
22. Ganesh SS, Iddir S, Bryan JM, Love J, Yi D, **Heiferman MJ**. Clinical Characteristics of Patients with Uveal Melanoma and Indeterminate Melanocytic Choroidal Tumors. Chicago Area Undergraduate Research Symposium. Chicago, IL, April 2023. **Best Poster Biological Sciences Category.**
23. Iddir S, Ganesh SS, Bryan JM, Love J, Yi D, **Heiferman MJ**. Differentiating Uveal Melanoma from Indeterminate Melanocytic Choroidal Tumors – A Critical Diagnostic Decision. Dr. Gary Kruh Cancer Research Symposium and Poster Competition. Chicago, IL, April 2023. **Best Poster Translational Oncology Category.**
24. Yu G, Yu M, Ahluwalia A, **Heiferman M**, Korot E, Amarikwa L, Mruthyunjaya M. Quantifying Optomap Images by Pixel Difference to Characterize Metastatic Choroidal Lesions and Estimate Lesion Thickness. ARVO. New Orleans, LA, April 2023.

25. Ahluwalia A, Yu M, **Heiferman M**, Korot E, Yu G, Mruthyunjaya M. Validation of a Novel Approach to Estimate Choroidal Lesion Thickness Using 2D Ultra-widefield Optomap Images. ARVO. New Orleans, LA, April 2023.
26. Bryan JM, Sheth N, **Heiferman MJ**. Trends in Anti-VEGF Injections in the Step Therapy Era. ARVO. New Orleans, LA, April 2023.
27. Yu M, **Heiferman MJ**, Korot E, Mruthyunjaya P. A Novel Approach to Estimating Choroidal Lesion Thickness Using 2D Ultra-Widefield Optomap Images. ASRS. New York City, NY, July 2022.
28. Mishra K, Korot E, Michalak S, DeBoer S, **Heiferman MJ**, Mruthyunjaya P. Choroidal Melanoma Biopsy: A Series of Unfortunate Events. ASRS. New York City, NY, July 2022.
29. **Heiferman MJ**, Rosser T, Berry JL, Mruthyunjaya P. Vasoactive Cavitory Lesion in a Patient with Neurofibromatosis Type 1. ISOO. Leiden, NL, June 2022.
30. **Heiferman MJ**, Ning K, Song E, Kowal TJ, Dryden IJ, Tran M, Dalal R, Chu P, Mruthyunjaya P, Lin JH, Sun Y. Loss of Cilia in Uveal Melanoma: Implications for Diagnosis. ARVO. Denver, CO, May 2022; ISOO. Leiden, NL, Jun 2022.
31. Cruz J, **Heiferman MJ**, Anchala A. Changes in Peripapillary Vessel Density Associated with Disc Hemorrhage in Eyes with Primary Open Angle Glaucoma using Optical Coherence Tomography Angiography. AGS. 2021.
32. **Heiferman MJ**, Khanna S, Gu D, Agron S, Eichinger S, Bryar PJ. Emergency Department Ophthalmology Consultations in a Tertiary Care Hospital. ARVO. Honolulu, HI. May 2018 and Northwestern Ophthalmology and Vision Research Day. Chicago, IL, Jun 2018.
33. **Heiferman MJ**, Nesper PL, Gill M, Fawzi AA. Multimodal Imaging of Retinal Vein Occlusions using Optical Coherence Tomography Angiography and En Face Optical Coherence Tomography. ARVO. Baltimore, MD, May 2017.
34. **Heiferman MJ**, Fawzi AA. Discordance Between Blue-Light Autofluorescence and Near-Infrared Autofluorescence in Age-Related Macular Degeneration. ARVO. Seattle, WA, May 2016.
35. **Heiferman MJ**, Fernandes JK, Munk MR, Mirza R, Jampol LM, Fawzi AA. Reticular Pseudodrusen on Infrared Reflectance are Topographically Distinct from Subretinal Drusenoid Deposits on En Face Optical Coherence Tomography. ARVO. Denver, CO, May 2015.
36. **Heiferman MJ**, Heiferman JR, Blatner NR, Phillips JD, Cheon EC, Knab LM, Wayne EA, Khazaie K, Grippo PJ, Bentrem DJ. 5-Lipoxygenase Inhibition Attenuates Intestinal Polyposis Through Suppression of Inflammation in APC<sup>A468</sup> Mice. Medical Student Summer Research Program Poster Session. Chicago, IL, Oct 2012.
37. Heiferman JR, **Heiferman MJ**, Phillips JD, Cheon EC, Blatner NR, Khazaie K, Grippo PJ, Bentrem DJ. Inhibition of 5-Lipoxygenase Reduces Polyposis in APC<sup>A468</sup> mice. Northwestern University Research Symposium. Evanston, IL. May 2012.

38. **Heiferman MJ**, Samiei A, Phillips JD, Krantz SB, Heiferman JR, Bentrem DJ, Grippo PJ. Genetic Deletion of 5-Lipoxygenase Attenuates the Quantity of Pancreatic Neoplastic Lesions in EL-Kras mice. 42<sup>nd</sup> Annual American Pancreatic Association Meeting. Chicago, IL, Nov 2011.
39. Mascariñas W, **Heiferman M**, Barron M, Wojtanek M, Mullapudi B, Stratton T, Tsao M, Bentrem D, Grippo P. PUFAs employ EP Receptors to Alter pAkt in HPDE/HPDE-Kras Cells. 42<sup>nd</sup> Annual American Pancreatic Association Meeting. Chicago, IL, Nov 2011.
40. **Heiferman MJ**, Ujiki MB, Salabat MR, Strouch MJ, Cheon E, Heiferman DM, Silverman R, Adrian TE, Bentrem DJ. Sansalvamide Analogue Induces G1 Cell-Cycle Arrest through the Up Regulation of p21 and Down Regulation of cyclin D1 in Pancreatic Cancer Cells. 5<sup>th</sup> Annual Chicago Area Undergraduate Research Symposium. Chicago, IL. April 2009 and Northwestern University Research Symposium. Evanston, IL, May 2009.
41. Cheon EC, Strouch MJ, Salabat MR, **Heiferman MJ**, Dennis KL, Gounaris E, Khazaie K, Bentrem DJ. Genetic deletion of 5-Lipoxygenase suppresses intestinal polyposis in Apc<sup>Δ468</sup> knockout mice. 5<sup>th</sup> Annual Lewis Landsberg Research Symposium. Chicago, IL, April 2009.
42. Zarlengo, D, Eifler A, Virmani S, Wang D, Chung J, Strouch M, Salabat R, Cheon E, Heiferman D, **Heiferman M**, Lewandowski R, Larson A, Bentrem D, Omary R. Vx2 Pancreatic Cancer Model in Rabbits. 39<sup>th</sup> Annual American Pancreatic Association Meeting. Chicago, IL, Nov 2008.
43. **Heiferman MJ**, Ujiki MB, Salabat MR, Strouch MJ, Cheon E, Heiferman DM, Silverman R, Adrian TE, Bentrem DJ. A Novel Sansalvamide Analogue Inhibits Pancreatic Cancer Cell Growth Through G0/G1 Cell Cycle Arrest. 39<sup>th</sup> Annual American Pancreatic Association Meeting. Chicago, IL, Nov 2008.
44. Strouch MJ, Milam BM, Melstrom LG, McGill JJ, Salabat MR, Heiferman DM, **Heiferman MJ**, Ding XZ, Bentrem DJ. Combination therapy of gemcitabine and the flavonoid apigenin induces cell cycle arrest and apoptosis in pancreatic cancer cells. 4<sup>th</sup> Annual Lewis Landsberg Research Symposium. Chicago, IL, March 2008.
45. Eiflera A, Zarlengo D, Virman S, Wang D, Chung J, Strouch M, Salabat M, Cheon E, Heiferman D, **Heiferman M**, Lewandowski R, Larson A, Bentrem D, Omary R. Development of the VX2 pancreatic cancer model in rabbits: A platform to test future interventional therapies. Medical Student Summer Research Program. Chicago, IL, June 2008.
46. **Heiferman MJ**, Ujiki MB, Heiferman DM, Zarlengo DJ, Salabat MR, Strouch MJ, Cheon E, Silverman R, Adrian TE, Bentrem DJ. Sansalvamide induces G1 growth arrest in Pancreatic cancer cells through down regulation of CDK4 and induction of p21. Medical Student Summer Research Program. Chicago, IL. June 2008.
47. Heiferman DM, Salabat MR, Papavero V, **Heiferman MJ**, Strouch M, Van Beek DB, Pappas S, Ahrendt S, Yang GY, Grippo PJ, Bentrem DJ. Inverse Relationship Between Pigment Epithelium Derived Factor (PEDF) And Vascular Endothelial Growth Factor (VEGF) In Human Pancreatic Cancer. 38<sup>th</sup> Annual American Pancreatic Association Meeting. Chicago, IL, Nov 2007.

48. Milam BM, Melstrom LG, Strouch MJ, McGill JJ, Salabat MR, Van Beek DB, Heiferman DM, **Heiferman MJ**, Ding XZ, Adrian TA, Bentrem DJ. Growth inhibitory effects of gemcitabine are augmented by the flavonoid apigenin in human pancreatic cancer cells. 38<sup>th</sup> Annual American Pancreatic Association Meeting. Chicago, IL, Nov 2007.

***Grand Rounds***

1. Tsougranis G, **Heiferman MJ**. Management of Ocular Transthyretin Amyloidosis. UIC Grand Rounds October 2025.
2. Luskey N, **Heiferman MJ**. Evaluation and Management of Intraocular Lymphoma. UIC Grand Rounds October 2025.
3. Huang C, **Heiferman MJ**. Check Point Inhibitor Related Voganagi-Harada Disease-Like Uveitis. UIC Grand Rounds September 2024.
4. Yazdanpanah G, **Heiferman MJ**. Management of an Anterior Brachytherapy Plaque for a Ciliary Body Melanoma. UIC Grand Rounds September 2024.
5. Chen M, **Heiferman MJ**. Diagnosis of Uveal Metastasis. UIC Grand Rounds. September 2023.
6. Acaba-Berrocal L, **Heiferman MJ**. Reperfused Central Retinal Artery Occlusion and Paracentral Acute Middle Maculopathy. UIC Grand Rounds. September 2023.
7. Jeffers J, **Heiferman MJ**. Pathology Specimen Coordination to Optimize Yield. UIC Patient Safety Grand Rounds. June 2023.
8. Sheth N, **Heiferman MJ**. Pharmaceutical Labeling and Compounding Medications. UIC Patient Safety Grand Rounds. June 2023.
9. Chen M, **Heiferman MJ**. National Comprehensive Cancer Network Guidelines for Uveal Melanoma. UIC Grand Rounds. April 2023.
10. Park R, **Heiferman MJ**. Benign Choroidal Lymphoid Disease. UIC Grand Rounds. April 2023.

***Patents and Patent Applications***

1. Yao X, **Heiferman MJ**, Zhou Q. Fundus Camera-Guided Ultrasound System and Method for Precise Ocular Lesion Location and Assessment. U.S. Patent Application, filed February 2024.
2. Kliot M, Bode J, **Heiferman M**, Khanna R, Yunli M, Prem K, Messana N, Russi C. Nerve Stimulation Biopsy Device. U.S. Patent Application 15064907, filed March 2016.

***Clinical Trials***

2025-present	Site Investigator, Leveraging Ocular Tissues in Uveitis Study. UCSF Proctor Foundation.
2023-present	Site Investigator, A Randomized Clinical Trial Evaluating Anti-VEGF vs Sustained-Release Corticosteroids vs Observation for Prevention of Visual Acuity Loss Due to Radiation Retinopathy, Protocol AL
2022-present	Investigator, DRRCR Retina Network
2023-present	Co-Investigator, Phase 3 Trial to Evaluate Safety and Efficacy of AU-011 via Suprachoroidal Administration in Subjects with Primary Indeterminate Lesions and Small Choroidal Melanoma
2022-present	Investigator, High Resolution Multispectral Retinal Imaging for Detection of Diabetic Retinopathy – A Multicenter Comparative Study, Spring Vision

## Research Grants

- 2025-2028 Principal Investigator, DoD VR240026.  
Portable Panretinal Imager for Automated Detection of Retinal Detachment in Austere Environments.
- 2025-present Co-Investigator, Sagoo MS, Mruthyunjaya P, **Heiferman MJ**, Keane PA. Artificial Intelligence in Ocular Oncology: Differentiating Benign Choroidal Nevus from Choroidal Melanoma. Funded by Moorfields Eye Charity.
- 2024-2026 Principal Investigator, Melanoma Research Foundation Career Development Grant.  
Assessment of Uveal Melanoma Using Machine Learning.
- 2024-2026 NIH-NEI K12EY021475  
UIC K12 Independent Clinical Vision Scientist Development Program

## Students' Grants

- 02/2025-02/2026 Sureshkumar H, **Heiferman MJ**. Environmental Factors and Social Determinants of Health in Uveal Melanoma. \$3000 funded by the Melanoma Research Foundation Medical Student Research Grant Award.
- 11/2024-11/2025 Gupta P, **Heiferman MJ**. Evaluating Heads-Up Displays Versus Conventional Operating Microscopes in Cataract Surgery Using Eye-Tracking Technology. \$3000 funded by the Vitreoretinal Surgery Foundation.
- 07/2024-06/2025 Eathara A, **Heiferman MJ**. Predictive Model for Uveal Melanoma Prognosis. \$3650 funded by the Illinois Society to Prevent Blindness.
- 10/2023-10/2024 Iddir S, **Heiferman MJ**. Automated Segmentation and Classification for Early Detection of Uveal Melanoma. \$2000 funded by the Vitreoretinal Surgery Foundation.
- 07/2023-06/2024 Gupta P, **Heiferman MJ**. The Effect of Experience on Visual Search Patterns in Intraocular Surgery. \$2000 funded by the Illinois Society to Prevent Blindness.
- 07/2023-06/2024 Sureshkumar H, **Heiferman MJ**. Allostatic Load in Uveal Melanoma. \$3650 funded by the Illinois Society to Prevent Blindness.
- 07/2023-06/2024 Iddir S, **Heiferman MJ**. Predicting Malignant Transformation of Choroidal Nevi Using Machine Learning. \$5000 funded by the Illinois Society to Prevent Blindness.

## Lectures

- 12/27/24 Choroidal Diseases, UIC Ophthalmology Residents
- 12/20/24 Proliferative Vitreoretinopathy, UIC Vitreoretinal Fellows
- 7/2/24 Scleral Buckle Complications, UIC Vitreoretinal Fellows
- 5/30/24 Surgical Case Review, UIC Vitreoretinal Fellows
- 5/2/24 Tractional Retinal Detachment, UIC Vitreoretinal Fellows
- 2/16/24 Diagnosis and Management of Uveal Melanoma, UIC Medical Oncology Fellows
- 1/23/24 Surgical Decision Making for Diabetic Vitrectomy, UIC Vitreoretinal Fellows
- 12/19/23 Pachychoroid Spectrum, UIC Ophthalmology Residents

10/3/23	Surgical Decision Making for Retinal Detachments, UIC Vitreoretinal Fellows
9/12/23	Ophthalmic Ultrasound, UIC Vitreoretinal Fellows
8/29/23	Epiretinal Membranes, UIC Vitreoretinal Fellows
7/25/23	Management of Macular Holes, UIC Vitreoretinal Fellows
7/18/2023	Rhegmatogenous Retinal Detachment Repair, UIC Vitreoretinal Fellows
7/12/2023	Management of Open Globe Injuries, UIC Ophthalmology Fellows
7/6/2023	How to Succeed in Fellowship, UIC Ophthalmology Fellows
7/5/2023	Introduction to Retina, UIC Ophthalmology Residents
5/2/2023	Ultrasound Biomicroscopy, UIC Vitreoretinal and Uveitis Fellows
4/4/2023	Proliferative Vitreoretinopathy, UIC Vitreoretinal and Uveitis Fellows
11/22/2022	Choroidal Disease, UIC Ophthalmology Residents
11/1/2022	Vitreoretinal Lymphoma, UIC Vitreoretinal and Uveitis Fellows
9/28/2022	Basic Eye Examination, UIC Medical Students
9/27/2022	Retina Imaging, UIC Ophthalmology Residents
8/17/2022	Ophthalmoscopy and Scleral Depression, UIC Ophthalmology Residents
8/11/2022	Management of Uveal Melanoma, UIC Vitreoretinal and Uveitis Fellows
6/27/2022	Introduction to Retina, UIC Ophthalmology Residents
5/31/2022	Diagnosis and Management of Uveal Melanoma, UIC Medical Oncology Fellows
4/14/2022	Diagnosis of Melanocytic Choroidal Tumors, UIC Vitreoretinal Surgery Fellows
12/31/2021	UIC Morbidity and Mortality, Faculty Discussant, Transition of Care

### **Journal Clubs**

10/28/25	Timing of Retinal Detachment Repair
3/18/25	Scleral Buckling for Rhegmatogenous Retinal Detachments
11/19/24	Management of Proliferative Diabetic Retinopathy
9/24/24	Endophthalmitis Trials
8/6/24	Social Determinants of Health in Retina
5/13/24	Management of Acute Retinal Necrosis
2/27/24	Rhegmatogenous Retinal Detachments
12/12/2024	Adjuvant Therapy for Proliferative Vitreoretinopathy
10/24/2023	Role of Anti-VEGF in Proliferative Diabetic Retinopathy
8/22/2023	Anomalous Posterior Vitreous Detachments
6/15/2023	Complications of Intravitreal anti-VEGF injections
4/11/2023	Prophylactic Management of Retinal Detachments
2/7/2023	Management of Endophthalmitis
12/13/2022	DRCR Network Protocols V, AB, and AC
10/26/2022	Submacular Hemorrhage and Large Macular Hole Repair
8/23/2022	Systemic Medications for the Treatment of Retinal Disorders

7/5/2022	Scleral Buckling and Subretinal Fluid Drainage
5/19/2022	Geographic Atrophy: Imaging, FILLY and GATHER1 studies
3/24/2022	Lattice Degeneration and Posterior Vitreous Detachments
6/15/2021	Subclinical Retinal Detachments and Drainage Retinotomies
5/13/2021	Age-Related Macular Degeneration, AREDS2 and FLUID studies
4/6/2021	Traumatic Macular Holes and Positioning
2/23/2021	Anti-VEGF and Tractional Retinal Detachments
1/19/2021	Proliferative Vitreoretinopathy: Classification and Silicone Oil
10/28/2020	Acute Retinal Necrosis: Diagnosis, Treatment, and Prophylaxis
7/16/2020	Peripheral Retinal Pathology: Treatment and Prophylaxis
6/8/2020	Retinopathy of Prematurity: Laser and Anti-VEGF
4/20/2020	Endophthalmitis Vitrectomy Study and Follow Up Study
2/27/2020	Stickler Prophylaxis and Vitreous Hemorrhage Treatment

### **Surgical Wet Labs**

1/8/2025	Core vitrectomy, UIC Ophthalmology Residents
10/2/2024	Ocular injections, UIC Ophthalmology Residents
1/3/2024	Core vitrectomy, UIC Ophthalmology Residents
11/1/2023	Ocular injections, UIC Ophthalmology Residents
5/3/2023	Core vitrectomy, UIC Ophthalmology Residents
12/7/2022	Ocular injections, UIC Ophthalmology Residents

### **Leadership Roles**

2024-present	<b>Co-Director, Vitreoretinal Surgery Fellowship</b> Department of Ophthalmology and Visual Sciences, University of Illinois Chicago
2022-present	<b>Residency Program Evaluation Committee</b> Department of Ophthalmology and Visual Sciences, University of Illinois Chicago
2022-present	<b>Residency Education Committee</b> Department of Ophthalmology and Visual Sciences, University of Illinois Chicago
2022-present	<b>Residency Clinical Competency Committee</b> Department of Ophthalmology and Visual Sciences, University of Illinois Chicago
2022-present	<b>Associate Director of Medical Education</b> Department of Ophthalmology and Visual Sciences, University of Illinois Chicago
2021-present	<b>Associate Residency Program Director</b> Department of Ophthalmology and Visual Sciences, University of Illinois Chicago
2009-present	<b>Chicago Area Undergraduate Research Symposium</b> <b>UIC Faculty Advisor (2021-present)</b> <b>Judge (2011-present)</b> <b>Director (2010-2011)</b>

**Inter-School Board Member (2009-2010)**

CAURS provides college students with the opportunity to present their research in a professional setting. As an undergraduate, I presented my research as a sophomore, joined the inter-school board as a junior, and served as the director of the symposium my senior year. As director, I coordinated all aspects of planning and public relations by leading an inter-school board consisting of twenty of my undergraduate peers. Throughout medical school, I served as an adviser to the inter-school board, and continue to volunteer annually to judge posters and oral presentations.

2008-present

**Community Health Clinic**

**Founder of the CHC UIC Ophthalmology Clinic and Faculty Volunteer (2022-present)**

**Ophthalmology Resident Volunteer (2017-2019)**

**Medical Student President and Coordinator (2012-2013)**

**Medical Student Volunteer (2011-2014)**

**Undergraduate Volunteer (2008-2011)**

CHC is a free health clinic in the neighborhood of West Town in Chicago that serves uninsured Spanish- and Polish-speaking patients. As an undergraduate, I volunteered in triage and as a phlebotomist. I continued to volunteer in medical school and was chosen to be president and coordinator my second year of medical school. As president, I supervised the activities of the co-coordinators, ran monthly meetings, and appointed individuals to ad hoc committees. As a resident, I worked with medical students and ophthalmology attendings to diagnose and treat ophthalmologic conditions. As an attending, I founded the UIC Ophthalmology clinic bringing UIC medical students and ophthalmology residents to the clinic once per month.

**Teaching Responsibilities**

2025-present

**UI Cancer Center ResearchHStart**

**Faculty Mentor**

Multi-institutional program welcoming high school students from the Chicago and Urbana-Champaign areas to explore exciting careers in cancer research. Participants work full-time in the laboratories of established cancer researchers, gaining hands-on experience in areas at the forefront of the field: cancer immunology, bioengineering, experimental cancer therapeutics, and cancer disparities.

2024-present

**UICOM Clinical Immersion Program**

**Faculty Participant**

Pairs undergraduate biomedical engineers and rising-IMED M2s to identify unmet needs by rotating in a clinical setting.

2022-present

**Illinois Ophthalmology Pipeline**

**Faculty Mentor (2022-present)**

A mentorship program for under-represented in medicine UIC medical students. The goal is to provide support to become competitive residency applicants while introducing ophthalmology as a specialty early in medical education.

2022-present

**UIC Vitreoretinal Surgery Conference**

**Faculty Leader (2024-present)**

**Faculty Participant (2022-2024)**

Bimonthly UIC Ophthalmology resident and retina fellow surgical case conference.

2019-present

**UIC Retina Imaging Conference**

**Faculty Leader (2022-present)**

**Fellow organizer (2019-2021)**

Monthly UIC Ophthalmology resident and retina fellow imaging case conference.

2019-present

**UIC Retina Journal Club**

**Faculty Leader (2022-present)**

**Fellow organizer (2019-2021)**

Bimonthly UIC Ophthalmology resident and retina fellow journal club.

- 2011-2015 **NU-Feinberg Connections  
Mentor (2011-2015)**  
Northwestern University Feinberg School of Medicine, Chicago, IL  
NU-Feinberg Connections is a program that pairs Northwestern University undergraduate pre-med students with medical students. Each year, I was assigned one or more undergraduate pre-med students, discussed the field of medicine with them and advised them on the medical school application process.
- 2012-2015 **Education Centered Medical Home  
Chief Medical Student (2014-2015)  
Member (2012-2014)**  
Northwestern University Feinberg School of Medicine, Chicago, IL  
ECMH is a four-year longitudinal experience in a primary care clinic where student teams care for a high-risk patient panel under the supervision of a faculty mentor. ECMH chief medical students lead the team of 16-18 students to coordinate patient care, manage the patient panel, and implement quality improvement projects.
- 2012 **National Youth Leadership Forum on Medicine  
Educator (6/2012-7/2012)**  
Northwestern University Feinberg School of Medicine, Chicago, IL  
NYLF is a program for outstanding high school students to visit medical schools and explore their interest in medicine. I was assigned a group of students and taught them physical exam skills in the Northwestern Clinical Education Center. I also mentored other groups of students and discussed ways to further explore their interest in pursuing a career in medicine.
- 2008-2011 **Science Research Workshop  
Head Facilitator (2010-2011)  
Biology Facilitator (2008-2010)**  
Northwestern University, Evanston, IL  
SRW introduces research to undergraduate students who are interested in majoring in biology or chemistry. I led workshops that taught how to interview for summer lab placement and assisted them in writing a competitive proposal for undergraduate research funding.
- Special National Responsibilities**
- 2025-present **AAOOP Nominating Committee Member**  
Propose colleagues for leadership positions in the society.
- 2024-present **AAO ONE Network Committee Member, Oncology/Pathology Section**  
Online educational branch of the American Academic of Ophthalmology. Write clinically significant article reviews, edit short surgical videos highlighting subspecialty techniques, and key meeting presenter/author interviews.
- 2020 **AAO Basic and Clinical Science Course Review Project**  
Nominated to provide feedback to the American Academy of Ophthalmology for the major revision of the Basic and Clinical Science Course retina section.
- Special Local Responsibilities**
- 2023-present **Cutaneous Disease Team Member**  
University of Illinois Cancer Center team to review clinical trial options for patients with ocular and cutaneous melanoma and other non-melanoma cutaneous cancers.
- 2022 **Residency Curriculum Revision Committee Leader**  
Department of Ophthalmology and Visual Sciences, University of Illinois Chicago, Illinois Eye and Ear Infirmary, Chicago, IL

- 2021 **Residency Transition of Care Committee Leader**  
Department of Ophthalmology and Visual Sciences, University of Illinois Chicago, Illinois Eye and Ear Infirmary, Chicago, IL
- 2021-2022 **Clinical Pathologic Correlation Conference Co-Director**  
Departments of Ophthalmology and Pathology, Stanford University, Byers Eye Institute, Palo Alto, CA.
- 2017-2019 **Northwestern McGaw Housestaff Association**  
McGaw Medical Center at Northwestern University, Chicago, IL  
The HSA was responsible for many improvements in resident life and benefits. We negotiated improvements in work and call room facilities, a resident fitness room, paternal leave and childcare benefits, and optimizing healthcare benefits. We went on to address issues including resident wellness, access to financial resources, and a new paging system.
- 2017 **Residency Transition of Care Task Force**  
Department of Ophthalmology, Northwestern University Feinberg School of Medicine, Chicago, IL  
A committee of residents developed recommendations to update the sign out system for the ophthalmology consultation service. The committee presented these recommendations at the resident program director meeting for further discussion and implementation.

#### **Other Colloquia and Conference Participation**

- 2024 Expert Panelist, Uveal Melanoma and Other Intraocular Tumors. International Society of Ocular Oncology Biannual Meeting, Goa, India. December 4, 2024.
- 3/25/2024 Ophthalmology Specialty Liason for Medical Students, Introduction to Specialties, UICOM
- 9/19/2023 Ophthalmology Faculty Panel for Medical Students, Ophthalmology Interest Club, UIC
- 2023 “Ocular Tumors, Pediatrics, Retinal Degenerations, and Genetics” Session Moderator, 24<sup>th</sup> Annual Advanced Vitreoretinal Techniques and Technology Symposium, Chicago, IL, August 19, 2023.
- 2022 “Ocular Tumors, Pediatrics, Retinal Degenerations, and Genetics” Session Moderator, 23<sup>rd</sup> Annual Advanced Vitreoretinal Techniques and Technology Symposium, Chicago, IL, August 27, 2022.
- 2022 “Wet Lab – Vitrectomy Fluidics and Instrument Demonstration” Faculty Facilitator, 23<sup>rd</sup> Annual Advanced Vitreoretinal Techniques and Technology Symposium, Chicago, IL, August 26, 2022.
- 2022 “Uveal Melanoma 3.3” Session Moderator, Biennial Meeting of the International Society of Ocular Oncology, Leiden, ND, June 19, 2022.

#### **Clinical and Surgical Training of Fellows**

Chloe Li, MD 2025-2027  
Betty Situ, MD 2025-2027  
Christopher Chung, MD 2024-2026  
James Winebrake, MD 2024-2026  
Salih Uzun, 2024-2026  
Nancy Worley, MD 2023-2025; Private Practice Atlanta, Georgia  
Chu Jian (Frank) Ma, MD, PhD 2023-2025; Private Practice Seattle, Washington  
Mark McAllister, MD 2023-2024  
Hashem Gabr, MD 2022-2024, Tennessee Retina  
Daniel Wang, MD 2022-2023; Retina Group of Washington  
Alexis Warren, MD 2022-2023; University of Chicago  
George Skopis, MD 2022-2023; Private Practice Sarasota, Florida  
Monique Munro, MD 2021-2022; University of Calgary

### **Graduate Committee Member**

Behrouz Ebrahimi 2025-  
Albert Dadzie 2025-  
Mojtaba Rahimi Kelishadi 2025-  
Shaiban Ahmed, 2024-  
Alfa Rossi, 2024-  
Mahtab Faraji 2025-

### **Postdoctoral Fellows**

William Chadwick, DO; 2025-2026; Richard B. Warnecke Postdoctoral Fellow Award

### **Resident and Fellow Physician Research Preceptorship**

Amrish Selvam, MD; 2024-  
Neil Sheth, MD, MBA, UIC; 2022-2025; VR Fellowship: New York University  
Clayton Kirk, MD, Loyola University 2020-2021; VR Fellowship: Associated Retina Consultants of Arizona

### **Medical Student Research Supervision**

Abhijith Eathara, UIC, LASURI award; ISPB grant 2024; 2022-2024  
Puranjay Gupta, UIC, Honors College URG 2022, LASURI award 2023; ISPB grant 2023; Honors College URG, Margaret Messer Student Research Grant 2023; Goldwater Scholar 2024; Vitreoretinal Surgery Foundation Research Award 2024; First Place Undergraduate Poster UIC Research Forum 2025; 2022-  
Sanjay Ganesh, UIC, LASURI award, Honors College URG 2023, Best Biological Science Poster at CAURS 2023, Margaret Messer Student Research Grant 2023; UI Cancer Center Trainee Travel Award Fall 2024; UIC Undergraduate Research Forum Distinguished Presentation and Honors College Capstone Innovation Award 2025, ISPB grant 2025; 2022-  
Arya Kadakia, UICOM, 2022-  
Haari Sureshkumar, UIC 2022; ISPB grant recipient 2023; MRF Medical Student Grant Award 2025; UICOM 2022-  
John Bryan, Northwestern University, 2022-2023; Ophthalmology Residency: Northwestern University  
Kyle Thompson, CMS, 2022-20224  
Jyotsna Bitra, UICOM, Craig Fellowship 2022, ISPB grant recipient 2023; 2021-2023  
Sabrina Iddir, UICOM, Craig Fellowship 2022, ISPB grant recipient 2023, HPSC Travel Grant 2023, Vitreoretinal Surgery Foundation Research Award 2023, Best Poster Translational Oncology at Kruh 2023, UI Cancer Center Trainee Travel Award Spring 2023; 2021-2024; Ophthalmology Residency: Cook County  
Saira Khanna, University of Wisconsin SOM, 2017-2019; Ophthalmology Residency: University of Chicago

### **Undergraduate Student Research and Academic Supervision**

Emily Kao, UIC; 2024- Second Place Undergraduate Poster UIC Research Forum 2025; LASRUI award 2025  
Srishti Kolla, UIC; 2024-  
Yagnesh Lokesh, UIC: 2025-

### **Research Experience**

2019-2021	University of Illinois Chicago, Illinois Eye and Ear Infirmary PI: Jennifer I. Lim, M.D. Clinical research using advanced imaging techniques to study the diagnosis and prognosis of retinal diseases.
2014-2019	Northwestern University, Department of Ophthalmology PI: Amani Fawzi, M.D. Translational research using advanced imaging techniques to study the pathophysiology of retinal diseases.
2007-2014	Northwestern University, Department of Surgery PI: David Bentrem, M.D. Translational research on gastrointestinal oncology, including pancreatic and colorectal cancers.
2006	Rush University, Department of Neurosurgery

PI: Demetrius Lopes, M.D.

Investigating the clinical outcomes involving endovascular treatment of arteriovenous malformations and aneurysms.

**Professional Courses**

2020	Duke Fellow Advanced Vitreous Surgery Course
2020	Vit Buckle Society Fellows Foray
2019	Retina Fellows Forum Meeting
2019	Advanced Vitreoretinal Techniques and Technology
2019	Alcon Retina Fellows Institute
2019	Mass. Eye and Ear Vitrectomy Course