

CURRICULUM VITAE
Johns Hopkins University School of Medicine

12/5/2020

Mark Philip Breazzano, MD

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

2020-present Assistant Professor, Department of Ophthalmology, Retina Division, Wilmer Eye Institute, Johns Hopkins Hospital, Johns Hopkins University School of Medicine, Baltimore, MD, USA

Personal Data

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Education and Training

Undergraduate

2010 B.A. *cum laude*, Biochemistry/Molecular Biology (honors), Hamilton College, Clinton, NY, USA

Doctoral/Graduate

2014 M.D. *magna cum laude*, State University of New York Upstate Medical University College of Medicine, Syracuse, NY, USA

Postdoctoral

2014-2015 Resident, Transitional Year, Yale-New Haven Hospital, Yale University School of Medicine, New Haven, CT, USA

2015-2018 Resident, Ophthalmology, Vanderbilt Eye Institute, Vanderbilt University Medical Center, Nashville, TN, USA

2018-2020 Fellow, Vitreoretinal Diseases and Surgery, Columbia University College of Physicians and Surgeons (Edward S. Harkness Eye Institute/Columbia University Medical Center/New York-Presbyterian Hospital, Vitreous Retina Macula Consultants of New York, Manhattan Eye, Ear and Throat Hospital, New York University/Bellevue Hospital), New York, NY, USA

Professional Experience

- 2018-2020 Instructor, Department of Clinical Ophthalmology, Columbia University Medical Center, New York, NY, USA
- 2018-2020 Clinical Instructor, Department of Ophthalmology, New York University School of Medicine, New York, NY, USA
- 2018-2020 Assistant Attending, Department of Ophthalmology, New York-Presbyterian Columbia University Medical Center, New York, NY, USA
- 2018-2020 Assistant Attending, Department of Ophthalmology, New York University Langone Hospitals, New York, NY, USA
- 2018-2020 Clinical Assistant Attending, Department of Ophthalmology, Bellevue Hospital Center, New York, NY, USA
- 2018-2020 Assistant in Ophthalmology, Manhattan Eye, Ear & Throat Hospital of Lenox Hill/Northwell Health, New York, NY, USA
- 2018-2020 Clinical Adjunct Surgeon, Department of Ophthalmology, New York Eye & Ear Infirmary of Mount Sinai, New York, NY, USA

PUBLICATIONS:

Original Research [OR]

1. **Breazzano MP**, Fikhman M, Abraham JL, Barker-Griffith AE. Analysis of Schwalbe's line (limbal smooth zone) by scanning electron microscopy and optical coherence tomography in human Eye Bank eyes. *J Ophthalmic Vis Res.* 2013; 8(1):9–16.
2. **Breazzano MP**, Unkrich KH, Barker-Griffith AE. *Clinicopathological findings in abusive head trauma: analysis of 110 infant autopsy eyes. *Am J Ophthalmol.* 2014; 158:1146–1154. *Featured in “Journal Highlights”, *EyeNet Magazine*, American Academy of Ophthalmology, Dec 2014, 18(12):20.
3. **Breazzano MP**, Fang H, Robinson MR, Abraham JL, Barker-Griffith AE. Vitreomacular attachment ultrastructure and histopathological correlation. *Curr Eye Res.* 2015; 18:1–7.
4. ***Breazzano MP**, Day HR Jr, Tanaka SA, Tran U. Prospective analysis of pediatric ocular chemical burns: laundry detergent pods. *J AAPOS.* 2018; Dec 22(6):426-428; *corresponding author.
5. ***Breazzano MP**, Day HR Jr, Tanaka SA, Tran U. CLEARED (Chemicals and Litmus testing with Effective Alkaline Range for Eye Damage): a prospective, interventional study. *Acad Emerg Med.* 2019; 26(7):796-802; *corresponding author.
6. **Breazzano MP**, Day HR Jr, Bloch KC, Tanaka S, Cherney EC, Sternberg P Jr, Donahue SP, Bond JB 3rd. *Utility of ophthalmologic screening for Candida bloodstream infections: a systematic review. *JAMA Ophthalmol.* 2019; 137(6):698-710. *Featured in “This Week in Ophthalmology News”, *Doximity*, 29 Apr 2019.

7. Fragiotta S, Fernández-Avellaneda P, **Breazzano MP**, Curcio CA, Leong BCS, Kato K, Yannuzzi LA, Freund KB. The fate and prognostic implications of hyperreflective crystalline deposits in non-neovascular age-related macular degeneration. *Invest Ophthalmol Vis Sci.* 2019; 60(8):3100-3109.
8. **Breazzano MP**, Jonna G, Nathan NR, Nickols HH, Agarwal A. Endogenous Serratia marcescens panophthalmitis: a case series. *Am J Ophthalmol Case Rep.* 2019; Aug 16: 100531.
9. **Breazzano MP**, Yannuzzi LA, Spaide RF. Characterizing retinal-choroidal anastomosis in macular telangiectasia type 2 with optical coherence tomography angiography. *Retina.* 2020; 40(1):92-98.
10. Fragiotta S, Fernández-Avellaneda P, **Breazzano MP**, Yannuzzi LA, Curcio CA, Freund KB. Linear and planar reflection artifacts on swept-source and spectral-domain optical coherence tomography due to hyperreflective crystalline deposits. *Graefes Arch Clin Exp Ophthalmol.* 2020; 258(3):491-501.
11. Lin Y, Xu CL, **Breazzano MP**, Tanaka AJ, Ryu J, Levi SR, Sparrow JR, Tsang SH. Progressive RPE atrophy and photoreceptor death in KIZ-associated autosomal recessive retinitis pigmentosa. *Ophthalmic Genet.* 2020; 13:1-5.
12. **Breazzano MP**, Shen J, Abdelhakim AH, Glass LRD, Horowitz JD, Xie SX, de Moraes CG, Chen-Plotkin A, Chen RWS, New York City Residency Program Directors COVID-19 Research Group. *Resident physician exposure to novel coronavirus (2019-nCoV, SARS-CoV-2) within New York City during exponential phase of COVID-19 pandemic: Report of the New York City Residency Program Directors COVID-19 Research Group. Version 1. *medRxiv.* Preprint. 2020 Apr 28.
 *Featured in “Coronavirus, News, Health”, Newsday: “Study: 340 NYC resident physicians had confirmed or suspected coronavirus”. May 11, 2020.
 *Featured in “News, Medscape Medical News”, Medscape: “COVID-19 daily: high-risk specialties, flu comparisons”. May 14, 2020.
 *Featured in “News, Medscape Medical News, Features”, Medscape: “Which specialties are at highest risk for contracting COVID-19?” May 14, 2020.
 *Featured in “Lung Disease & Respiratory Health, Coronavirus, News”, WebMD: “Which specialties are at highest risk for contracting COVID-19?” May 14, 2020.
 *Featured in “Covid-19 Coverage”, Becker’s ASC Review: “Preprint finds 3 subspecialties at higher risk of contracting COVID-19 – 4 takeaways”. May 15, 2020.
 *Featured in “Health”, Archynewsy: “The three medical specialties with the most infections of COVID-19”. May 16, 2020.
 *Featured in “Disease”, American Council on Science and Health: “A look at COVID-19 in NYC, through the eyes of an ophthalmologic surgeon”. May 22, 2020
 *Featured in “Clinical Education, News, Headlines”, American Academy of Ophthalmology: “Week in Review: Ophthalmology is among the top 3 specialties at highest risk for contracting COVID-19”. May 22, 2020.
 *Featured in “Update on COVID-10”, EuroTimes: “Young ophthalmologists in the trenches”. May 29, 2020.
 *Featured in “Medical Practice”, Medical Brief: “The medical specialisations most at risk of contracting COVID-19”. June 10, 2020.
13. De Niar MA, Law JL, **Breazzano MP**, Mawn LA. Blunderbuss: ocular and orbital injuries due to muzzle-loading firearms. *Ophthalmic Plast Reconstr Surg.* 2020; May 26.

14. **Breazzano MP**, Coleman DJ, Chen RWS, Chang S, Daly S, Tsang SH. Prospective Impact of Sildenafil on cEntral Serous chorioretinopathy: PISCES trial. *Ophthalmol Retina*. 2020 Jun 7:S2468-6530(20)30232-3.
15. ***Breazzano MP**, Shen J, *Abdelhakim AH, Glass LRD, Horowitz JD, Xie SX, de Moraes CG, Chen-Plotkin A, Chen RWS, New York City Residency Program Directors COVID-19 Research Group. New York City COVID-19 resident physician exposure during exponential phase of pandemic. *J Clin Invest*. 2020 Sep 1; 130(9):4726-4733.
*Best clinical research award, 20th Annual John T. Flynn Resident/Fellow Research and Graduation Day, Edward S. Harkness Eye Institute, Columbia University Department of Ophthalmology, New York, NY, USA. June 18, 2020.
16. Fernández-Avellaneda P, Freund KB, Wang RK, Zhang Q, Fragiotta S, Xu X, Ledesma-Gil G, Sugiura Y, **Breazzano MP**, Yannuzzi LA, Liakopoulos S, Sarraf D, Dolz-Marco R. Multimodal imaging features and clinical relevance of subretinal lipid globules. *Am J Ophthalmol*. 2020 Sep 9:S0002-9394(20)30493-1.
17. **Breazzano MP**, Yannuzzi LA, Spaide RF. Genesis of retinal-choroidal anastomosis in macular telangiectasia type 2: a longitudinal analysis. *Retina*. 2020 Sep 23.

Review Articles [RA]

1. Moreno TA, **Breazzano MP**, Nathan NR, Wayman LL. “The effect of posterior corneal astigmatism on power calculation and alignment of toric intraocular lens: a comparison between different methodologies.” Review. *EyeWorld*, Feb 2016.
2. **Breazzano MP**, Milam RW Jr, Batson SA, Johnson DB, Daniels AB. Immunotherapy for uveal melanoma. *Int Ophthalmol Clin*. 2017; 57(1):29–39.
3. Batson SA, **Breazzano MP**, Milam RW Jr, Shinohara E, Johnson DB, Daniels AB. Rationale for harnessing the abscopal effect as potential treatment for metastatic uveal melanoma. *Int Ophthalmol Clin*. 2017; 57(1):41–48.
4. Zhang M, Fathy C, **Breazzano MP**, Hollar M, Barahimi B. Intra-arterial chemotherapy for lacrimal gland adenoid cystic carcinoma. *Int Ophthalmol Clin*. 2017; 57(1):143–152.
5. Milam RW Jr, Batson SA, **Breazzano MP**, Ayala-Peacock DN, Daniels AB. Modern and novel radiotherapy approaches for the treatment of uveal melanoma. *Int Ophthalmol Clin*. 2017; 57(1):11–27.
6. **Breazzano MP**, Walker SA, Longmuir RA. Advancements in diagnostics with glaucomatous and other optic neuropathies. *Curr Ophthalmol Rep*. 2018; Jun 6(2):59-66.

Case Reports [CR]

1. **Breazzano MP**, Barker-Griffith AE. Features of cutaneous malignant melanoma metastatic to the retina and vitreous. *Ocul Oncol Pathol*. 2016; 2:80–85.
2. **Breazzano MP**, Mawn LA, Kuchtey RW. Spontaneous resolution of presumed idiopathic elevated episcleral venous pressure. *J Glaucoma*. 2016; 25(8):751–752.

3. **Breazzano MP**, Lewis JS Jr, Chambless LB, Rohde SL, Sobel RK. Remote orbital recurrence of olfactory neuroblastoma (esthesioneuroblastoma). *Orbit*. 2017; 31:1–4.
4. ***Breazzano MP**, Law JC, Nickols HH. Intraocular granulocytic sarcoma following endogenous endophthalmitis. *Ophthalmol Retina*. 2017; 1(3):187; *corresponding author.
5. Law JC, **Breazzano MP**, Elliott D. Scleral buckle infection with *Pseudallescheria boydii*. *Ophthalmic Surg Lasers Imaging Retina*. 2017; 48(8):676–678.
6. ***Breazzano MP**, Benegas NM. Multiple and bilateral cilioretinal arteries with Shwachman-Diamond syndrome. *Ophthalmology*. 2017; 124(9):1352; *corresponding author.
7. ***Breazzano MP**, Law JC, Lavin PJ. Simultaneous traumatic central retinal artery occlusion and optic neuropathy. *Ophthalmology*. 2017; 124(11):1661; *corresponding author.
8. De Niar MA, **Breazzano MP**, Mawn LA. Novel FOXC2 mutation and distichiasis in a patient with lymphedema-distichiasis syndrome. *Ophthalmol Plast Reconstr Surg*. 2018; 34(3):e88-e90.
9. Garcia KL, **Breazzano MP**, Bond JB 3rd, Williams SR, Smith AT. A 3-year-old with sudden-onset anisocoria after playing outside. *Pediatr Emerg Care*. 2018; 34(6):111-114.
10. **Breazzano MP**, Nickols HH, Daniels AB. Lung adenocarcinoma metastatic to iris and angle with pseudo-keratic precipitates. *Ophthalmol Retina*. 2018; 2(6):605.
11. Law JC, **Breazzano MP**, Elliott D. Aicardi syndrome. *J Pediatr Ophthalmol Strabismus*. 2018; 55(5):344.
12. **Breazzano MP**, Kim SJ. Leukemic ophthalmoplegia with combined central retinal artery/vein occlusions. *Ophthalmol Retina*. 2018; 2(10):1070.
13. Harris GR, **Breazzano MP**, Shyu I, Donahue SP, Lavin PJM. Oculomotor synkinesis (aberrant reinnervation of the third cranial nerve) associated with atypical Tolosa-Hunt syndrome. *Neuroophthalmology*. 2019; 10:1-5.
14. **Breazzano MP**, Milam RW Jr, Donahue SP. Repeated ophthalmic self-penetration with defecated needles. *Am J Ophthalmol Case Rep*. 2019; 14:19-20.
15. **Breazzano MP**, Fernández-Avellaneda P, Freund KB. Swept-source optical coherence tomography angiography of retinal arterial macroaneurysm with overlying hemorrhage. *JAMA Ophthalmol*. 2019; 137(4):e190247.
16. **Breazzano MP**, Fernández-Avellaneda P, Kurup SK, Freund KB. Photopigment bleaching phenomenon with scanning laser ophthalmoscopy and fluorescein angiography. *Ophthalmic Surg Lasers Imaging Retina*. 2019; 50:590-592.
17. Fernández-Avellaneda P, **Breazzano MP**, Yannuzzi LA. Optical coherence tomography artifact of retained silicone oil droplet. *Ophthalmol Retina*. 2019; 3(10):866.
18. **Breazzano MP**, Gangaputra S, Shieh C. Isolated scleral dehiscence after repeated intravitreal aflibercept injections. *JAMA Ophthalmol*. 2019; 137(10):e185935.

19. Fernández-Avellaneda P, Fragiotta S, **Breazzano MP**, Freund KB. Multimodal imaging of a presumed embolic cilioretinal artery occlusion. *Retin Cases Brief Rep.* 2019; Nov 13.
20. Fernández-Avellaneda P, **Breazzano MP**, Fragiotta S, Xu X, Zhang Q, Wang RK, Freund KB. Bacillary layer detachment overlying reduced choriocapillaris flow in acute idiopathic maculopathy. *Retin Cases Brief Rep.* 2019; Nov 19.
21. Lin Y, Xu CL, Velez G, Yang J, Tanaka AJ, **Breazzano MP**, Mahajan VB, Sparrow JR, Tsang SH. Novel REEP6 gene mutation associated with autosomal recessive retinitis pigmentosa. *Doc Ophthalmol.* 2020; 140(1):67–75.
22. **Breazzano MP**, Chen RWS. *Scleritis with uveal effusion from alirocumab. *Ann Intern Med.* 2020; Jun 16;172(12):834-836.
*Featured in “News & Perspective”, *Medscape*, Reuters Health Information, Sunday, March 13, 2020.
23. **Breazzano MP**, Tsang SH, Tezel TH. Stickler syndrome genotype (COL2A1 mutation) with retinitis pigmentosa phenotype. *Ophthalmol Retina.* 2020; 4(5):522.
24. ***Breazzano MP**, Tooley AA, Godfrey KJ, Iacob CE, Yannuzzi NA, Flynn HW Jr. *Candida auris* and endogenous panophthalmitis: clinical and histopathological features. *Am J Ophthalmol Case Rep.* 2020; 19:100738; *corresponding author.
25. ***Breazzano MP**, Bacci T, Wang H, Francis JH, Yannuzzi LA. Bacillary layer detachment in bilateral diffuse uveal melanocytic proliferation masquerading as neovascular age-related macular degeneration. *Ophthalmic Surg Lasers Imaging Retina.* 2020; 51:413-417; *corresponding author.
26. **Breazzano MP**, Bacci T, Curcio CA, Freund KB. Novel multimodal imaging and volume rendering of type 3 macular neovascularization. *Retina.* 2020; 40(10):e55-e57.
27. Hamdan SA, **Breazzano MP**, Daniels AB. Triple Therapy with Rituximab, IVIg and Intravitreal Corticosteroids for melanoma-associated retinopathy (MAR): TTRIIC does the trick. *Retin Cases Brief Rep.* 2020; Nov 4.
28. **Breazzano MP**, Chen RWS. Widespread traumatic retinoschisis sparing the macula. *J Pediatr Ophthalmol Strabismus.* 2020; Nov 1;57(6):407.
29. Dempsey KS, **Breazzano MP**, Modi YS. Ophthalmic artery occlusion following internal carotid artery stenosis. *Ophthalmol Retina.* Accepted (In Press).
30. Coleman DJ, Lee W, Daly S, **Breazzano MP**, Sparrow J, Tsang SH. Central serous chorioretinopathy treatment with a systemic PDE5 and PDE6 inhibitor (sildenafil), *Am J Ophthalmol Case Rep.* Accepted (In Press), doi: <https://doi.org/10.1016/j.ajoc.2020.100998>.
31. **Breazzano MP**, Chang S. Split down the middle (of the fovea). *JAMA Ophthalmol.* Accepted (In Press).

Book Chapters, Monographs [BC]

1. **Breazzano MP**, Yannuzzi LA, Sorenson JA. Multiple evanescent white dot syndrome. In: *Albert and Jakobiec's Principles and Practice of Ophthalmology*, Fourth Edition. In Press.

2. **Breazzano MP**, Fernández-Avellaneda P, Ledesma-Gil G, Wang F, Tso MOM, Yannuzzi LA. Polypoidal choroidal vasculopathy. In: *Albert and Jakobiec's Principles and Practice of Ophthalmology*, Fourth Edition. In Press.
3. **Breazzano MP**, Fernández-Avellaneda P, Freund KB, Yannuzzi LA. Acute idiopathic maculopathy. In: *Albert and Jakobiec's Principles and Practice of Ophthalmology*, Fourth Edition. In Press.
4. Hussnain SA, Abdelhakim AH, Ban N, **Breazzano MP**, Langevin S, Mammo Z, Sharma T, Marr BP, Tezel TH. Retina and ocular oncology. In: *Ophthalmology Q&A Board Review*, First Edition. 2019.

Editorials [ED]

1. Nanda T, Bond JB 3rd, Chen RWS, Bearely S, Day HR Jr, Cioffi GA, Handa JT, Arevalo JF, Donahue SP, ***Breazzano MP**. **A measured approach to inpatient ophthalmologic screening in the COVID-19 era: a multi-center perspective. *Ophthalmology*. 2020; Aug 7:S0161-6420(20)30750-8; *corresponding author.
**Featured in "October Newsletter, Articles". *Ophthalmic hospitalist interest group*, Oct 2020, 1(9):1-4.

Methods and Techniques, "How I Do It" articles [MT]

1. ***Breazzano MP**, Durrani AK, Kim SJ. "HHV-1,-2,-3: Precise medical management of herpetic nodular anterior scleritis." *Ophthalmology Times*, Dec 2017.
*Presented as 1st Place Winner, Resident Writers Award Program, Ophthalmology Times, American Academy of Ophthalmology 2017 Annual Meeting, New Orleans, LA.
2. **Breazzano MP**, Schiff WM. "Submacular Perfluorocarbon Removal." Vit-Buckle Society Rounds, Oct 2018.
3. **Breazzano MP**, Chen RWS. "Refractory optic pit maculopathy surgery." Surgical video and column. *Retina Specialist: www.retina-specialist.com*. Surgical Pearl Video, Feb 2020.

Research Letters/White Papers/Brief Reports [RL]

1. Nanda T, **Breazzano MP**, Bearely S. Clinical utility of pre-transplant ophthalmic consultation for lung transplant recipients: implications in the COVID-19 pandemic era. *Graefes Arch Clin Exp Ophthalmol*. 2020; 22:1-3.
2. ***Breazzano MP**. Choroidal origin of endogenous *Candida* endophthalmitis. *BMC Ophthalmol*. 2020; 20(1):283; *corresponding author.

Letters, Correspondence [LT]

1. Day HR Jr, **Breazzano MP**, Bloch KC, Cherney EF, Donahue SP, Bond JB 3rd. Response to Kato et al.: Prevalence of, and risk factors for, hematogenous fungal endophthalmitis in patients with *Candida* bloodstream infection. *Infection*. 2019; 47(3):501-502.

2. **Breazzano MP**, Giurgea LT, Day HR Jr, Fragiotta S, Fernández-Avellaneda P, van Dijk EHC, Bearely S, Bond JB 3rd. The controversial drive for intervention with ophthalmologic screening for *Candida* bloodstream infections. *Int J Infect Dis*. 2020; May 12.

Media Releases or Interviews [MR]

1. *'Match Day' comes early for three Upstate med students.*; 2014. With Distinction, SUNY Upstate Medical University. Available at: <https://blogs.upstate.edu/withdistinction/tag/ophthalmology/>. Accessed March 6, 2014.
2. *Clinicopathological findings in abusive head trauma.*; 2014. Journal Highlights, American Academy of Ophthalmology, EyeNet Magazine. Available at: <https://www.aao.org/Assets/10376ad5-1c8c-4b88-b9ff-9941b147094d/635541986164770000/december-2014-journal-highlights-pdf>. Accessed December 31, 2014.
3. *Resident writers award program.*; 2017. Ophthalmology Times. Available at: <https://www.ophthalmologytimes.com/view/2017-resident-writers-award-program>. Accessed April 20, 2018.
4. *This week in ophthalmology (your April 27, 2019 news): utility of ophthalmologic screening in candida bloodstream infections.*; 2019. Doximity. Available at: https://www.doximity.com/collections/docnews-digests/17113?_eda_link_uuid=64afae5d-efbb-4200-b614-18cb18df6700&featured_item=docnews-articles%2F5523136&utm_campaign=doc_news%3A%3Aspecialty_digest&utm_medium=email&utm_source=doximity-eda. Accessed April 27, 2019.
5. *Alirocumab may cause scleritis with uveal effusion.*; 2020. Medscape, Reuters Health Information. Available at: <https://www.medscape.com/viewarticle/926629>. Accessed March 13, 2020.
6. *Study: 340 NYC resident physicians had confirmed or suspected coronavirus.*; 2020. Newsday. Available at: <https://www.newsday.com/news/health/coronavirus/coronavirus-doctors-symptoms-1.44563587>. Accessed May 11, 2020.
7. *Which specialties are at highest risk for contracting COVID-19?.*; 2020. WebMD. Available at: <https://www.webmd.com/lung/news/20200514/which-specialties-are-at-highest-risk-for-contracting-covid-19#1>. Accessed May 14, 2020.
8. *COVID-19 daily: high risk specialties, flu comparisons.*; 2020. Medscape. Available at: <https://www.medscape.com/viewarticle/930575>. Accessed May 14, 2020.
9. *Which specialties are at highest risk for contracting COVID-19?.*; 2020. Medscape. Available at: <https://www.medscape.com/viewarticle/930553>. Accessed May 14, 2020.
10. *Preprint finds 3 specialties at higher risk of contracting COVID-19 – 4 takeaways.*; 2020. Becker's ASC Review. Available at: <https://www.beckersasc.com/anesthesia/preprint-finds-3-specialties-at-higher-risk-of-contracting-covid-19-4-takeaways.html>. Accessed May 15, 2020.

11. *The three medical specialties with the most infections of COVID-19.*; 2020. Archynewsy. Available at: <https://www.archynewsy.com/the-three-medical-specialties-with-the-most-infections-of-covid-19-the-universal/>. Accessed May 16, 2020.
12. *Week in review: occupational hazard, Stargardt disease, feathering lens.*; 2020. American Academy of Ophthalmology. Available at: <https://www.aao.org/headline/week-in-review-occupational-hazard-stargardt-disea>. Accessed May 22, 2020.
13. *A look at COVID-19 in NYC through the eyes of an ophthalmologic surgeon.*; 2020. American Council on Science and Health. Available at: <https://www.acsh.org/news/2020/05/22/look-covid-19-nyc-through-eyes-ophthalmologic-surgeon-14807>. Accessed May 22, 2020.
14. *Young ophthalmologists in the trenches.*; 2020. EuroTimes. Available at: <https://www.eurotimes.org/young-ophthalmologists-in-the-trenches/>. Accessed May 29, 2020.
15. *The medical specialisations most at risk of contracting COVID-19.*; 2020. Medical Brief. Available at: <https://www.medicalbrief.co.za/archives/the-medical-specialisations-most-at-risk-of-contracting-covid-19/>. Accessed June 10, 2020.
16. *Breazzano brings energy, innovative thinking to Wilmer.*; 2020. Johns Hopkins Medicine. Available at: <https://www.hopkinsmedicine.org/news/articles/breazzano-brings-energy-innovative-thinking-to-wilmer>. Accessed September 4, 2020.
17. *Ophthalmic hospitalist interest group newsletter*; 2020. Featured Article, October Newsletter, Volume 1, Number 9. Ophthalmic Hospitalist Interest Group. Available at: <https://img1.wsimg.com/blobby/go/40ecfaf2-b2a5-4418-81cf-e900fd6e6c55/downloads/OHIG%20Newsletter%20Oct%202020.pdf?ver=1606943461341>. Accessed October 1, 2020.
18. *A 28 Year Old Physician Died From Covid-19. Her Death Exposes The Harsh Realities Of Medical Training.*; 2020. Forbes. Available at: <https://www.forbes.com/sites/miriamknoll/2020/10/20/a-28-year-old-physician-died-from-covid-19-her-death-exposes-the-harsh-realities-of-medical-training/>. Accessed October 20, 2020.
19. *Another tragedy tied to opioids: eye disease.*; 2020. U. S. News & World Report. Available at: <https://www.usnews.com/news/health-news/articles/2020-11-05/another-tragedy-tied-to-opioids-eye-disease>. Accessed November 5, 2020.

Other Media [OM] (Videos, Websites, Blogs, Social Media, etc.)

1. Ophthalmic Edge Physicians App. “OE Acronyms”. 2020. Invited Contributor.

Abstracts

Peer Reviewed and Published Abstracts, also Presented at National and International Meetings as Formal, Full Length Posters with Subject Expert, Moderated Discussions

1. **Breazzano MP**, Fikhman M, Abraham JL, Barker-Griffith AE: Schwalbe's line (limbal smooth zone) is wider superiorly than naso-inferiorly: a scanning electron microscopic study of eye bank eyes, *Invest Ophthalmol Vis Sci.* 2012; 53(14):4907.
2. Barker-Griffith AE, Abraham JL, Fang H, **Breazzano MP**: Comparative anatomy of trabeculum and smooth zone (Schwalbe's line) widths of various primate and non-primate eyes by scanning electron microscopy, *Invest Ophthalmol Vis Sci.* 2013; 54(15):3036.
4. Barker-Griffith AE, **Breazzano MP**, Fang H, Lee SS, Robinson MR, Abraham JL: Ultra-structural study of vitreo-macular attachments related to macular ridges in Shaken Baby Syndrome, *Invest Ophthalmol Vis Sci.* 2014; 55(13):4447.
5. **Breazzano MP**, Huang J, Modak C, Sadda SR, Chopra V, Lee OL: Characterization of corneal endothelium in glaucomatous eyes managed medically or surgically, *Invest Ophthalmol Vis Sci.* 2014; 55(13):2025.
6. Chopra V, Lee OL, **Breazzano MP**, Modak C, Sadda SR, Francis B: Characterization of corneal endothelium in glaucomatous eyes managed medically and surgically, *American Glaucoma Society*, 2015; Abstract, 27.
7. Unkrich KH, **Breazzano MP**, Barker-Griffith AE: Clinicopathological findings in abusive head trauma: analysis of 110 infant autopsy eyes, *American Association of Pediatric Ophthalmology and Strabismus*, 2015; Abstract, 54.
8. **Breazzano MP**, Chiganti S, Nelson K, Landman BA, Mawn LA: Characterizing risk for visual field loss with idiopathic intracranial hypertension, *American Society of Ophthalmic Plastic and Reconstructive Surgery*, 2016; Abstract F3.
9. **Breazzano MP**, Chiganti S, Nelson K, Landman BA, Lavin PJ, Mawn LA: Surgical implication of racial disparity in vision loss with idiopathic intracranial hypertension, *American Society of Ophthalmic Plastic and Reconstructive Surgery*, 2016; Abstract F37.
10. **Breazzano MP**, Chiganti S, Nelson K, Landman BA, Lavin PJ, Mawn LA: Underestimation of vision loss with idiopathic intracranial hypertension, *North American Neuro-Ophthalmology Society*, 2017; Abstract 200.
11. **Breazzano MP**, Daniels AB: Initial staging imaging for uveal melanoma: what's necessary and what's extraneous?, *Invest Ophthalmol Vis Sci.* 2017; 58(8):4412.
12. Day HR Jr, **Breazzano MP**, Tran UL: Pre- and post-intervention study of corneal chemical burns: exclusive implementation of broad spectrum pH strips, *Invest Ophthalmol Vis Sci.* 2018; 59(9):2317.
13. **Breazzano MP**, Day HR Jr, Tran UL: Prospective analysis of pediatric corneal chemical burns: the harm of laundry detergent pods, *Invest Ophthalmol Vis Sci.* 2018; 59(9):2316.
14. Law JJ, De Niar MA, **Breazzano MP**, Mawn LA: Blunderbuss – orbital and ocular trauma secondary to dysfunction of muzzle-loading firearms, *American Society of Ophthalmic Plastic and Reconstructive Surgery*, 2018; Abstract T5.
15. Freund KB, Fragiotta S, Fernandez-Avellaneda P, **Breazzano MP**, Leong B, Yannuzzi LA, Curcio CA: The fate and prognostic implications of cholesterol crystals in non-neovascular age-related macular degeneration, *Macula Society 2019 Annual Meeting*, Session VII, Abstract 9.

16. Yannuzzi LA, **Breazzano MP**, Sakurada Y, Balaratnasingam C, Freund KB: Cuticular drusen: the nature of phenotype 3, *Macula Society 2019 Annual Meeting*, Session VII, Abstract 10.
17. Fernández-Avellaneda P, Fragiotta S, **Breazzano MP**, Xu X, Yannuzzi LA, Freund KB: The association of pachydrusen with regional variations in choroidal structure showing reduced choriocapillaris blood flow, *Invest Ophthalmol Vis Sci.* 2019; 60(9):4543.
18. Fragiotta S, Fernández-Avellaneda P, **Breazzano MP**, Curcio CA, Leong BCS, Kato K, Yannuzzi LA, Freund KB: The fate and prognostic implications of hyperreflective crystalline deposits in nonneovascular age-related macular degeneration. *Invest Ophthalmol Vis Sci.* 2019; 60(8):3100-3109.
19. **Breazzano MP**, Yannuzzi LA, Spaide RF: Characterizing retinal-choroidal anastomosis in macular telangiectasia type 2, *Invest Ophthalmol Vis Sci.* 2019; 60(9):4999.
20. Liebenthal R, Gupta A, Barbazetto I, **Breazzano MP**: Vitreous hemorrhage with proliferative diabetic retinopathy at a public hospital: predictors for medical observation versus surgical intervention, *American Society of Retina Specialists 2019 Annual Meeting*; Abstract 212.
21. Fernandez Avellaneda P, Freund KB, Yannuzzi LA, Fragiotta S, **Breazzano MP**, Xu X: The association of pachydrusen with regional variations in choroidal structure showing reduced choriocapillaris blood flow, *EURETINA Congress 2019*; 121.
22. De Niar MA, Law JJ, **Breazzano MP**, Mawn LA: An analysis of pediatric orbital and ocular gunshot injuries, *American Society of Ophthalmic Plastic and Reconstructive Surgery*, 2019; Abstract 6.
23. Horowitz J, de Moraes G, **Breazzano MP**, Yu S: Trends and risk factors for intraocular lens exchange and repositioning in vitreoretinal surgery, *Invest Ophthalmol Vis Sci.* 2020; 61(7):4397.
24. Daly S, Coleman DJ, **Breazzano MP**, Lee W, Chang S, Chen RWS, Tsang SH: Central serous chorioretinopathy treatment with a systemic PDE5 and PDE6 inhibitor (sildenafil), *Invest Ophthalmol Vis Sci.* 2020.
25. Krawitz B, **Breazzano MP**, Tezel TH: Impact of pseudophakia on identification of retinal breaks prior to retinal detachment surgery, *Invest Ophthalmol Vis Sci.* 2020; 61(7):4390.
26. Yu SN, Greenstein VC, **Breazzano MP**, Blumberg D, Chang S, Hood DC: A method that combines 10-2 visual fields and OCT B-scans to guide surgical decision-making in macular surgery. *Invest Ophthalmol Vis Sci.* 2020; 61(7):5276.
27. Plum W, **Breazzano MP**, Suh L, Chang S: Intraocular lens subluxation as a cause of hyphema and non-clearing vitreous hemorrhage, *Invest Ophthalmol Vis Sci.* 2020; 61(7):4400.
28. Lin Y, Xu CL, **Breazzano MP**, Tanaka AJ, Ryu J, Levi SR, Yao K, Sparrow JR, Tsang SH: Progressive RPE atrophy in KIZ-associated autosomal recessive retinitis pigmentosa is secondary to photoreceptor death, *Invest Ophthalmol Vis Sci.* 2020; Presentation 1907.

29. Daniels AB, Peters KS, **Breazzano MP**, Choi W, Du J, Law N, Miller A, Aveis M, Ciftci S, Scheffler AC, Demirci H, Skalet A, Shildkrot Y, Deppen S: Impact of different initial systemic staging imaging strategies on metastasis detection in uveal melanoma patients: The Melanoma of the Uvea Staging Imaging Consortium (MUSIC) Study. *Invest Ophthalmol Vis Sci.* 2020; 61(7):4027.
30. De Niar MA, Law JJ, Bond JB, **Breazzano MP**, Brown EN, Mawn LA: Retrospective analysis of ophthalmic injuries secondary to gunshot wounds. *American Society of Ophthalmic Plastic and Reconstructive Surgery*, 2020; Abstract 3681.
31. **Breazzano MP**, Yannuzzi LA, Spaide RF: Genesis of retinal-choroidal anastomosis in macular telangiectasia type 2: longitudinal analysis. *Retina Society*, 2020; Abstract 119.
32. Daniels AB, Peters KS, **Breazzano MP**, Choi W, Du J, Law N, Miller A, Aveis M, Ciftci S, Scheffler AC, Demirci H, Skalet AH, Shildkrot Y, Deppen S: Impact of different initial systemic staging imaging strategies on metastasis detection in uveal melanoma patients: The Melanoma of the Uvea Staging Imaging Consortium (MUSIC) Study. *Retina Society*, 2020; Abstract 1531.

FUNDING

INTRAMURAL Funding

- | | |
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| 2016-2018 | Funding for investigating pediatric ocular chemical trauma and CLEARED study (Chemicals and Litmus testing with Effective Alkaline Range for Eye Damage) 1 st Lefkovitz Discovery Grant of Vanderbilt Eye Institute for Vision Research
Status: Complete
Total direct: \$5,000
Role: Principal investigator (Mentor: Dr. Uyen Tran) |
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CLINICAL ACTIVITIES

Medical licensure

- | | |
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| 2019-2021 | Medical License in State of New York, 292157 |
| 2020-present | Medical License in State of Maryland, D0089206 |

Board certification

- | | |
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| 2019-present | American Board of Ophthalmology, Diplomate |
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Clinical (Service) Responsibilities

- | | |
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| 2020-present | Specialty: Diseases of the Vitreous and Retina

Role: Medical and surgical care of vitreoretinal diseases and complications of eye surgery.

A very skilled medical and surgical attending of a high volume, tertiary referral, and teaching service. The patient population derived from a broad national and |
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international referral base; regionally referred patients with complications of prior surgery elsewhere and high levels of difficulty. The service is further composed of a significant high net-worth and grateful patient base; a substantial number of JHU faculty, staff, and their families, and a concentration of the regional legal and business community. Many clinics involve interactions with the Wilmer Development Office.

Present time commitment: 3 days of clinic and 1 day of surgery per week.

Retina Service clinical call coverage (average ~3 weeks per year).

Clinical Program Building / Leadership

2020-present First Wilmer physician and sole vitreoretinal surgeon at new Frederick satellite; 40% effort; providing high-quality JHU subspecialty care outside of immediate Baltimore area as part of expansive clinical mission.

Clinical Trials

1. GTSCOPE (Gyroscope Therapeutics: Sponsor) – Study of disease progression in genetically defined subjects with geographic atrophy secondary to age-related macular degeneration. Edward S. Harkness Eye Institute, Columbia University Medical Center, New York, NY, USA.
Role: Sub-investigator. Time commitment: Less than 1%
2. YOSEMITE (F. Hoffmann-La Roche Ltd: Sponsor) – Phase III, multicenter, randomized, double-masked, active comparator-controlled study to evaluate the efficacy and safety of *faricimab* (RO6867461) in patients with diabetic macular edema. Wilmer Eye Institute, Johns Hopkins Hospital, Baltimore, MD, USA.
Role: Sub-investigator. Time commitment: Less than 1%
3. TENAYA (F. Hoffmann-La Roche Ltd: Sponsor) – Phase III, multicenter, randomized, double-masked, active comparator-controlled study to evaluate the efficacy and safety of *faricimab* (RO6867461) in patients with neovascular age-related macular degeneration. Wilmer Eye Institute, Johns Hopkins Hospital, Baltimore, MD, USA.
Role: Sub-investigator. Time commitment: Less than 1%
4. RHONE-X (F. Hoffmann-La Roche Ltd: Sponsor) – Multicenter, open-label extension study to evaluate the long-term safety and tolerability of *faricimab* (RO6867461) in patients with diabetic macular edema. Wilmer Eye Institute, Johns Hopkins Hospital, Baltimore, MD, USA.
Role: Sub-investigator. Time commitment: Less than 1%

EDUCATIONAL ACTIVITIES

Teaching: Classroom instruction

2018-2020 Instructor; various lectures to visiting ophthalmologists from around the world, ophthalmology residents, and medical students. The Edward S. Harkness Eye Institute, Columbia University College of Physicians and Surgeons, Columbia

University Medical Center, New York, NY, USA. In: Retina BSCC Resident Lecture series (including “Proliferative diabetic retinopathy”). In: Retina “Beyond the BCSC” Resident Lecture series (including “Pharmaceutical treatments of retinal degeneration”). In: “Major MCY” Medical Student Clerkship Lecture series (including “Retinal pathology and systemic disease”).

2020-present Assistant Professor; coordinator of lectures on behalf of Retina Division for ophthalmology residents. The Wilmer Eye Institute, Johns Hopkins Hospital, Johns Hopkins University School of Medicine, Baltimore, MD, USA.

Teaching: Clinical instruction

2018-2020 Clinical Instructor and Preceptor; specialty-specific and general consultation for ophthalmology residents in clinic and on-call for emergencies and routine conditions, as well as surgical instruction in the operating room for procedures including cataract phacoemulsification with intraocular lens placement and pterygium excision with conjunctival autograft. The Edward S. Harkness Eye Institute, New York-Presbyterian/Columbia University Medical Center, New York, NY, USA.

2018-2020 Clinical Instructor and Preceptor; specialty-specific and general consultation for ophthalmology residents in clinic and on-call for emergencies and routine conditions, as well as surgical instruction in the operating room for procedures including trauma with repair of globe rupture, scleral buckling for retinal detachment, and aspects of pars plana vitrectomy for various indications. The Department of Ophthalmology, Bellevue Hospital Center and New York University School of Medicine, New York University Langone Hospitals, New York, NY, USA.

2020-present Assistant Professor and Preceptor; specialty-specific and general consultation for vitreoretinal fellows in clinic and on-call for emergencies and routine conditions, as well as surgical instruction in the operating room for vitreoretinal procedures including any combination of pars plana vitrectomy, scleral buckling, intraocular lens exchange and secondary intraocular lens placement, membrane peeling, cryotherapy, diathermy, endolaser, drainage, and gas exchange for various indications. The Wilmer Eye Institute, Johns Hopkins Hospital, Johns Hopkins University School of Medicine, Baltimore, MD, USA.

Mentoring: Educational Program Building / Leadership

2020-present Division Education Champion; oversees and develops goals and objectives in resident education regarding vitreous and retina in academic and clinical setting, including the coordination of lecture series by faculty within the division, as well as optimizing each post-graduate year curriculum. The Wilmer Eye Institute, Johns Hopkins Hospital, Johns Hopkins University School of Medicine, Baltimore, MD, USA.

RESEARCH ACTIVITIES

Inventions, Patents, Copyrights

1. **Breazzano MP** and Malak ST. Eyeball Stabilizing Apparatus and Method of Use, United States Patent Number: US 9,107,728 B2; Date Granted: Aug 18, 2015.

Technology Transfer Activities

1. **Breazzano MP** and Law JC. Consecutive Method and One-Time-Use for Treatment of Conjunctivitis, Record of Invention, Vanderbilt University Technology ID: VU17139.

ORGANIZATIONAL ACTIVITIES

Editorial Board appointments

- 2020-present Editorial Advisory Board Member, Ophthalmology Times
- 2020-present Associate Editor, BMC Ophthalmology

Journal peer review activities

- 2019 Burns (*Journal of the International Society for Burn Injuries*)
- 2020 RETINA (*Journal of Retinal and Vitreous Diseases*)
- 2020 American Journal of Ophthalmology Case Reports
- 2020 Case Reports in Ophthalmology
- 2020 JAMA Ophthalmology
- 2020 European Journal of Ophthalmology
- 2020 Postgraduate Medicine

Advisory Committees, Review Groups/Study Sections

- 2011-2012 Student Advisor, Advisory Dean Program, State University of New York Upstate Medical University College of Medicine, Syracuse, NY, USA.
- 2013-2014 Chapter Vice President, Alpha Omega Alpha Honor Medical Society, State University of New York Upstate Medical University College of Medicine, Syracuse, NY, USA.
- 2014-2015 House Staff Representative, Graduate Medical Education Committee, Yale-New Haven Hospital, Yale University School of Medicine, New Haven, CT, USA.
- 2016 Advocacy Ambassador, Vanderbilt Eye Institute and Tennessee Academy of Ophthalmology, Mid-Year Forum of American Academy of Ophthalmology, Washington DC, USA.

- 2018-2019 Invited Fellow Reviewer, American Academy of Ophthalmology’s Basic and Clinical Science Course Series:
2018 BCSC Section 10 Glaucoma, Chapter 5 – “Angle-Closure Glaucoma”, and Chapter 6 – “Glaucoma in Children and Adolescents”
2019 BCSC Section 8 Cornea, Chapter 7 – “Corneal Dystrophies and Ectasias”, and Chapter 10 – “Infectious Diseases of the External Eye: Microbial and Parasitic Infections”
- 2020-present Member, Editorial Advisory Board, *Ophthalmology Times*

Professional Societies

- 2008-present Association for Research in Vision and Ophthalmology (intermittent)
- 2015-present American Academy of Ophthalmology
- 2018-present American Society of Retina Specialists
- 2020-present European Society of Retina Specialists
- Past member Medical Society of the State of New York
- Past member Tennessee Academy of Ophthalmology
- Past member Nashville Academy of Ophthalmology
- Past member State University of New York Eye Institute

RECOGNITION

Awards, Honors

- | | | |
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| 2004 | Eagle Scout Award, Boy Scouts of America, Troop 51 | Fayetteville, NY |
| 2007-2010 | Principal Chair, Trumpet Section, Hamilton College Orchestra | Clinton, NY |
| 2008-2010 | Liberty League All-Academic Team, Men’s Track & Field | Clinton, NY |
| 2009-2010 | NESCAC All-Academic Team, Men’s Outdoor Track & Field | Clinton, NY |
| 2009-2010 | Team Captain, NCAA Div. III Men’s Track & Field, Hamilton | Clinton, NY |
| 2010 | N.Y. State Championship Qualifier, NCAA Div. III, 400m Dash | Clinton, NY |
| 2010 | Senior prize, “Outstanding Graduate in Biochem./Mol. Bio.” | Clinton, NY |
| 2010 | Graduated <i>cum laude</i> with departmental honors, Hamilton | Clinton, NY |
| 2010, 2012 | Coleman Burke Graduate Fellowship, Chi Psi Natl. Fraternity | Clinton, NY |
| 2011, 2012 | Dean’s Letters of Commendation, MS-I and MS-II | Syracuse, NY |

2012	Best Poster, “Beyond the Doctorate”, SUNY Upstate	Syracuse, NY
2012	Chairman’s Excellence in Pathology Award, SUNY Upstate	Syracuse, NY
2012	Inducted into Association of Pathology Chairs Honor Society	Syracuse, NY
2012	Ruth and Robert Hutter, M.D. ’54 Endowed Scholarship	Syracuse, NY
2013	Top Research Project Award, SUNY Upstate	Syracuse, NY
2013	Leann and Frank E. Young, M.D. ’56 Endowed Scholarship	Syracuse, NY
2013	Elected Junior into Alpha Omega Alpha Honor Medical Society	Syracuse, NY
2014	Graduated <i>magna cum laude</i> , SUNY Upstate	Syracuse, NY
2015	Creativity Award in Advocacy, “Battling Blindness”	Nashville, TN
2016	Inaugural Recipient, Lefkovitz Award for Vision Research, VEI	Nashville, TN
2017	Selected Attendee, <i>Heed Foundation</i> Residents Retreat	Chicago, IL
2017	1 st Place, Resident Writers Award, <i>Ophthalmology Times</i>	New Orleans, LA
2018, 2019	Invited Fellow Reviewer, <i>AAO BCSC Series</i>	San Francisco, CA
2019	Invited Attendee and Co-Author, Macula Society 2019 Meeting	Bonita Springs, FL
2019	Selected Fellow Surgical Video, <i>Duke Vitreoretinal Rounds</i>	Durham, NC
2020	Invited Lecturer, <i>Columbia’s Basic Science Course in Ophth.</i>	New York, NY
2020	Best Clinical Research Paper Award, <i>Columbia Ophthalmology</i>	New York, NY
2020	Invited <i>Ophthalmology Times</i> Editorial Advisory Board Member	Olmsted, OH

Membership in Honorary Societies

2012-present	Association of Pathology Chairs Honor Society
2013-present	Alpha Omega Alpha Honor Medical Society

Invited Talks: Regional

2018	Mystery case: “Leukemic ophthalmoplegia with combined central retinal artery/vein occlusions”, 1 st Annual New York City Retina and Uveitis Symposium, New York University Langone Hospitals, New York, NY, USA
2019	Mystery case presentation: “Incontinentia pigmenti”, LuEsther T. Mertz Vitreous Retina Macula Lectureship, New York, NY, USA

- 2019 Grand rounds presentation: “Inpatient cases and cohorts: candidemia screening update”, Edward S. Harkness Eye Institute, Department of Ophthalmology, Columbia University Medical Center, New York, NY, USA
- 2019 Mystery case presentation: “Alirocumab-associated scleritis with uveal effusion”, 2nd Annual New York City Retina and Uveitis Symposium, New York, NY, USA
- 2019 Retina conference presentation: “Utility of ophthalmologic screening for Candida bloodstream infections”, Wilmer Eye Institute, Department of Ophthalmology, Johns Hopkins University School of Medicine, Baltimore, MD, USA
- 2019 Mystery case presentation: “Stickler syndrome, COL2A1 dilemma: phenotypic heterogeneity”, Precision Ophthalmology, Edward S. Harkness Eye Institute, Department of Ophthalmology, Columbia University Medical Center, New York, NY, USA
- 2020 Infectious Diseases Clinical and Research Topics: “Endophthalmitis screening”, The Sherrilyn and Ken Fisher Center for Environmental Infectious Diseases, Johns Hopkins University School of Medicine, Baltimore, MD, USA
- 2020 Invited presentation: “Endogenous Fungal Endophthalmitis – What the Consulting Ophthalmologist Needs to Consider”, 33rd Annual Current Concepts in Ophthalmology, Wilmer Eye Institute, Johns Hopkins Medicine, Baltimore, MD, USA
- 2020 Invited Co-Chair: “Retina – Part 1”, 33rd Annual Current Concepts in Ophthalmology, Wilmer Eye Institute, Johns Hopkins Medicine, Baltimore, MD, USA

Invited Talks: National

- 2019 Mystery case presentation: “Behçet’s syndrome”, 43rd Annual Atlantic Coast Retina Club Meeting, Harvard Medical School, Boston, MA, USA
- 2019 Grand rounds presentation: “Utility of ophthalmologic screening for Candida bloodstream infections”, Department of Ophthalmology and Visual Sciences, University of Wisconsin – Madison School of Medicine, Madison, WI, USA
- 2020 Mystery case presentation: “‘A patient with diabetes and retinopathy’ – Maternally inherited diabetes and deafness”, 44th Annual Atlantic Coast Retina Club Meeting (Macula 20/20), New York, NY, USA
- 2020 Visiting Professor Lecture (Virtual): “From Training to Contracts”, Department of Ophthalmology & Visual Sciences, Vanderbilt Eye Institute, Vanderbilt University Medical Center, Vanderbilt University School of Medicine, Nashville, TN, USA
- 2021 (Pending) Invited Panelist: “How Would You Manage These Diabetic Retinopathy Cases in 2021?”, 45th Annual Atlantic Coast Retina Club Meeting (Macula 20/20), Baltimore, MD, USA

Invited Talks: International

- 2019 Surgical Video Presentation (among 5 selected from around the world):
“Submacular perfluorocarbon removal”, Duke Vitreoretinal Rounds Unleashed, 5th
Annual Duke Fellows Advanced Vitreous Surgery Course, Duke University School
of Medicine, Durham, NC, USA
- 2020 Invited Lecture (among visiting faculty and audience from around the world):
“Accurate indication of dilated fundus exam for patients with candidemia”,
Columbia’s Basic Science Course in Ophthalmology, Edward S. Harkness Eye
Institute, Department of Ophthalmology, Columbia University Medical Center,
New York, NY, USA
- 2020 Invited Case Presentation (Virtual): “Mystery Case: Bacillary Detachment with
Bilateral Diffuse Uveal Melanocytic Proliferation Masquerading as Neovascular
Age-Related Macular Degeneration”, Zooming in on Retina, Medical and Surgical
Retina Rounds, Toronto, ON, CA
- 2021 (Pending) Invited Lecture: “Endophthalmitis Screening for Candidemia”, Department of
Ophthalmology, University of Southampton, Southampton, UK
- 2021 (Pending) Invited Research Presentation: “Candidemia”, Young Retina Specialists (YOURS)
Symposium, EURETINA 2021 Annual Congress, Amsterdam, NL