

Curriculum Vitae  
The Johns Hopkins University School of Medicine

(Signature) \_\_\_\_\_  
Jennifer E. Thorne, MD, PhD

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**DEMOGRAPHIC AND PERSONAL INFORMATION**

**Current Appointments**

- 2013- Professor of Ophthalmology, Division of Ocular Immunology, Wilmer Eye Institute, Johns Hopkins University School of Medicine
- 2013- Professor of Epidemiology, Johns Hopkins University Bloomberg School of Public Health
- 2010- Chief, Division of Ocular Immunology, Wilmer Eye Institute, Johns Hopkins University School of Medicine
- 2007- Uveitis Fellowship Director, Division of Ocular Immunology

**Personal Data**

Division of Ocular Immunology  
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**Education and Training**

Undergraduate

1991 BS The College of William and Mary Biology, *Magna Cum Laude*

Doctoral/Graduate

1996 MD University of Virginia School of Medicine  
2006 PhD The Johns Hopkins University  
Bloomberg School of Public Health Epidemiology

Postdoctoral Training

1996 - 1997 Intern in Medicine, University of Maryland, Baltimore, MD  
1997 - 2000 Resident, Scheie Eye Institute, Department of Ophthalmology, University of Pennsylvania, School of Medicine, Philadelphia, PA  
1999 - 2000 Chief Resident, Scheie Eye Institute, Department of Ophthalmology, University of Pennsylvania, School of Medicine, Philadelphia, PA

**Professional Experience**

## Academic Appointments:

- 2000 – 2002 Assistant, Advanced Specialty Training Program, Division of Ocular Immunology, Wilmer Eye Institute, Johns Hopkins University School of Medicine
- 2001 – 2006 Post Doctoral Fellow, Center for Clinical Trials, Johns Hopkins University Bloomberg School of Public Health
- 2002 – 2007 Assistant Professor of Ophthalmology, Division of Ocular Immunology, Wilmer Eye Institute, Johns Hopkins University School of Medicine
- 2006 – 2007 Assistant Professor of Epidemiology, Johns Hopkins University Bloomberg School of Public Health
- 2007 – 2013 Associate Professor of Ophthalmology, Division of Ocular Immunology, Wilmer Eye Institute, Johns Hopkins University School of Medicine
- 2007 – 2013 Associate Professor of Epidemiology, Johns Hopkins University Bloomberg School of Public Health

## RESEARCH ACTIVITIES

### Publications: Peer-Reviewed Original Science Research

1. **Thorne JE**, Jabs DA, Vitale S, Miller TA, Dunn JP, Semba RD. Catheter complications in AIDS patients treated for cytomegalovirus retinitis. *AIDS* 1998;12:2321-2327.
2. **Thorne JE**, Galetta SL. Disc edema and retinal periphlebitis as the initial manifestation of sarcoidosis. *Arch Neurol* 1998;55:862-863.
3. **Thorne JE**, Maguire AM, Lanciano R. CME and anterior uveitis with latanoprost use (letter). *Ophthalmology* 1998;105:1981-1982.
4. **Thorne JE**, Volpe NJ, Liu GT. Magnetic resonance imaging of acquired Brown syndrome in a patient with psoriasis. *Am J Ophthalmol* 1999;127:233-235.
5. **Thorne JE**, Maguire AM. Good visual outcome following laser therapy for proliferative radiation retinopathy. *Arch Ophthalmol* 1999;117:125-126.
6. **Thorne JE**, Maguire AM. Retinopathy after long term, standard doses of hydroxychloroquine (letter). *Br J Ophthalmol* 1999;83:1201.
7. **Thorne JE**, Maguire AM. *Hemophilus aegyptius* endophthalmitis following strabismus surgery. *J Ped Ophthalmol Strabismus* 2000;37:52-53.
8. **Thorne JE**, Brucker AJ. Choroidal white lesions as an early manifestation of sarcoidosis. *Retina* 2000;20:8-15.
9. Holbrook JT, Davis MD, Hubbard LD, Martin BK, Holland GN, Jabs DA, Gilpin AK, Meinert C, Reshef DS, for the Studies of Ocular Complications of AIDS Research Group. Risk factors for advancement of cytomegalovirus retinitis in patients with acquired immunodeficiency syndrome. *Arch Ophthalmol* 2000;118:1196-1204.
10. Jabs DA, Martin BK, Forman MS, Dunn JP, Davis JL, Weinberg DV, Biron KK, Baldanti F, Hu H, for the Cytomegalovirus Retinitis and Viral Resistance Study Group. Longitudinal observations on mutations conferring ganciclovir resistance in patients with acquired immunodeficiency syndrome and cytomegalovirus retinitis: The Cytomegalovirus and Viral Resistance Study Group Report Number 8. *Am J Ophthalmol* 2001;132:700-710.
11. Holbrook JT, Meinert CL, Van Natta ML, Davis M, Hubbard L, Jabs DA, for the Studies of Ocular Complications of AIDS Research Group. Photographic measures of cytomegalovirus retinitis as surrogates for visual outcomes in treated patients. *Arch Ophthalmol* 2001;119:554-563.
12. Jabs DA, Martin BK, Forman MS, Dunn JP, Davis JL, Weinberg DV, Biron KK, Baldanti F, for the

- Cytomegalovirus Retinitis and Viral Resistance Study Group. Mutations conferring ganciclovir resistance in a cohort of patients with acquired immunodeficiency syndrome and cytomegalovirus retinitis. *J Infect Dis* 2001;183:333-337.
13. **Thorne JE**, Volpe NJ, Wulc AE, Galetta SL. Caught by a masquerade: sclerosing orbital inflammation. *Surv Ophthalmol* 2002 Jan-Feb;47(1):50-4.
  14. Jabs DA, Van Natta ML, Kempen JH, Reed Pavan P, Lim JI, Murphy RL, Hubbard LD, for the Longitudinal Study of Ocular Complications of AIDS. Characteristics of patients with cytomegalovirus retinitis in the era of highly active antiretroviral therapy. *Am J Ophthalmol* 2002;133:48-61.
  15. Davidson M, Min YI, Holbrook JT, Van Natta ML, Quinn TC, Murphy RL, Welch W, Jabs DA, Meinert CL for the Studies of Ocular Complications of AIDS Research Group. Influence of filgrastim (granulocyte colony-stimulating factor) of human immunodeficiency virus type 1 RNA in patients with cytomegalovirus retinitis. *J Infect Dis* 2002;186:1013-1018.
  16. Latkany PA, Jabs DA, Smith JR, Rosenbaum JT, Tessler H, Schwab IR, Walton RC, **Thorne JE**, Maguire AM. Multifocal choroiditis in patients with familial juvenile systemic granulomatosis. *Am J Ophthalmol* 2002 Dec;134(6):897-904.
  17. **Thorne JE**, Hernandez MI, Rencic A, Nousari HC. Severe scleritis and urticarial lesions. *Am J Ophthalmol* 2002 Dec;134(6):932-4.
  18. **Thorne JE**, Jabs DA, Nikolskaia O, Anhalt G, Nousari HC. Discoid lupus erythematosus and cicatrizing conjunctivitis. *Ocul Immun Inflam* 2002 Dec; 10(4):287-92.
  19. Kempen JH, Martin BK, Wu AW, Barron B, **Thorne JE**, Jabs DA, for the Studies of Ocular Complications of AIDS Research Group. The effect of cytomegalovirus retinitis on quality of life of patients with the AIDS in the era of highly active anti-retroviral therapy. *Ophthalmology* 2003 May;110(5):987-95.
  20. Mimouni D, Anhalt GJ, Cummins DL, Kouba DJ, **Thorne JE**, Nousari HC. Treatment of pemphigus vulgaris and foliaceus with mycophenolate mofetil. *Arch Dermatol* 2003 Jun;139(6):739-42.
  21. Jabs DA, Martin BK, Forman MS, Hubbard L, Dunn JP, Kempen JH, Davis JL, Weinberg DV for the Cytomegalovirus Retinitis and Viral Resistance Study Group. Cytomegalovirus resistance to ganciclovir and clinical outcomes of patients with cytomegalovirus retinitis. *Am J Ophthalmol* 2003;135:26-34.
  22. **Thorne JE**, Jabs DA, Nikolskaia OV, Mimouni D, Anhalt GJ, Nousari HC. Lichen planus and cicatrizing conjunctivitis: characterization of five cases. *Am J Ophthalmol* 2003 Aug;136(2):239-43.
  23. Qazi F, **Thorne JE**, Jabs DA. Scleral nodule associated with sarcoidosis. *Am J Ophthalmol* 2003 Oct;136(4):752-4.
  24. **Thorne JE**, Anhalt G, Jabs DA. Mucous membrane pemphigoid and pseudopemphigoid. *Ophthalmology* 2004 Jan;111(1):45-52.
  25. Akpek EK, **Thorne JE**, Qazi F, Do DV, Jabs DA. Evaluation of patients with scleritis for systemic disease. *Ophthalmology* 2004;111(3):501-6.
  26. Hubbard LD, Ricks MO, Martin BK, Bressler NM, Kempen JH, Dunn, JP, Jabs DA, for the CMV Retinitis and Viral Resistance Study Group. Comparability of two fundus photograph reading centers in grading CMV retinitis progression. *Am J Ophthalmol* 2004;137:426-434.
  27. Szekely CA, **Thorne JE**, Zandi PP, Ek M, Messias E, Breitner JSC, Goodman SN. Nonsteroidal anti-inflammatory drugs for the prevention of Alzheimer's disease: a systematic review. *Neuroepidemiology* 2004 Jul-Aug;23(4):159-69.
  28. Jabs DA, Van Natta ML, **Thorne JE**, Weinberg DV, Meredith TA, Kupperman BD, Sepkowitz K, Li HK for the Studies of Ocular Complications of AIDS Research Group. Course of cytomegalovirus retinitis in the era of highly active antiretroviral therapy: 1. Retinitis progression. *Ophthalmology* 2004 Dec;111(12):2224-31.
  29. Jabs DA, Van Natta ML, **Thorne JE**, Weinberg DV, Meredith TA, Kupperman BD, Sepkowitz K,

- Li HK for the Studies of Ocular Complications of AIDS Research Group. Course of cytomegalovirus retinitis in the era of highly active antiretroviral therapy: 2. Second eye involvement and retinal detachment. *Ophthalmology* 2004 Dec;111:2232-9.
30. **Thorne JE**, Shah K, Brown DM, Holland GN, Jabs DA. Posterior intracorneal opacities in patients with HIV infection. *Ocul Immunol Inflamm* 2005 Feb;13(1):25-31.
  31. Weinberg DV, Holbrook JT, Hubbard LD, Davis MD, Jabs DA, Holland GN, for the Studies of Ocular Complications of AIDS Research Group. Clinician versus reading center assessment of cytomegalovirus retinitis lesion size. *Ophthalmology* 2005;112:559-566.
  32. Jabs DA, Holbrook JT, Van Natta ML, Clark R, Jacobson MA, Kempen JH, Murphy RL, for the Studies of Ocular Complications of AIDS Research Group. Risk factors for mortality in patients with AIDS in the era of highly active antiretroviral therapy. *Ophthalmology* 2005;112:771-9.
  33. **Thorne JE**, Jabs DA, Peters GB, Hair D, Dunn JP, Kempen JH. Birdshot retinochoroidopathy: ocular complications and visual impairment. *Am J Ophthalmol* 2005 Jul(1);45-51.
  34. **Thorne JE**, Jabs DA, Qazi FA, Nguyen QD, Kempen JH, Dunn JP. Mycophenolate mofetil therapy for inflammatory eye disease. *Ophthalmology* 2005;112:1472-7.
  35. Jabs DA, Martin BK, Forman MS, Ricks MO, for the Cytomegalovirus Retinitis and Viral Resistance Research Group. Cytomegalovirus (CMV) blood DNA load, CMV retinitis progression, and occurrence of resistant CMV in patients with CMV retinitis. *J Infect Dis* 2005;192:640-9.
  36. The Standardization of Uveitis Nomenclature (SUN) Working Group. Standardization of uveitis nomenclature for reporting clinical data. Results of the First International Workshop. *Am J Ophthalmol* 2005;140:509-16.
  37. Semba RD, Martin BK, Kempen JH, **Thorne JE**, Wu AW, for the Studies of Ocular Complications of AIDS Research Group. The impact of anemia on energy and physical functioning in individuals with AIDS. *Arch Intern Med* 2005;165 2229-36.
  38. Bykhovskaya I, **Thorne JE**, Kempen JH, Dunn JP, Jabs DA. Vogt-Koyanagi-Harada disease: clinical outcomes. *Am J Ophthalmol* 2005;140:674-8.
  39. Kempen JH, Min Y-I, Freeman WR, Holland GN, Friedberg DN, Dieterich DT, Jabs DA for the Studies of Ocular Complications of AIDS Research Group. Risk of immune recovery uveitis in patients with AIDS and CMV retinitis. *Ophthalmology* 2006;113:684-94.
  40. Jabs DA, Martin BK, Ricks MO, Forman MS, for the Cytomegalovirus Retinitis and Viral Resistance Study Group. Detection of ganciclovir resistance in patients with AIDS and cytomegalovirus retinitis: correlation of genotypic methods with viral phenotype and clinical outcome. *J Infect Dis* 2006;193:1728-37.
  41. **Thorne JE**, Jabs DA, Kempen JH, Holbrook JT, Nichols C, Meinert CL, for the Studies of Ocular Complications of AIDS (SOCA) Research Group. Incidence of and risk factors for visual acuity loss among patients with AIDS and cytomegalovirus retinitis in the era of highly active antiretroviral therapy. *Ophthalmology* 2006;113:1432-40.
  42. **Thorne JE**, Jabs DA, Kempen JH, Holbrook JT, Nichols C, Meinert CL, for the Studies of Ocular Complications of AIDS (SOCA) Research Group. Causes of visual acuity loss among patients with AIDS and cytomegalovirus retinitis in the era of highly active antiretroviral therapy. *Ophthalmology* 2006 Aug;113(8):1441-5.
  43. Shah KH, Holland GN, Yu F, Van Natta M, Nusinowitz S, Studies of Ocular Complications of AIDS (SOCA) Research Group. Contrast sensitivity and color vision in HIV-infected individuals without infectious retinopathy. *Am J Ophthalmol* 2006;142:284-92.
  44. **Thorne JE**, Anhalt GJ, Jabs DA, de la Cruz Z, Green WR. Role of electron microscopy in the diagnosis of ocular mucous membrane pemphigoid. *Ophthalmology* 2006 Sep;113(9):1651-6.
  45. Brown DM, **Thorne JE**, Foster GL, Duncan JL, Brune LM, Munana A, Meinert CL, Jabs DA, for the Studies of Ocular Complications of AIDS (SOCA) Research Group. Factors affecting attrition in a longitudinal study of patients with AIDS. *AIDS Care* 2006;18:821-29.
  46. Sinclair E, Tan QX, Sharp M, Girling V, Poon C, Van Natta M, Jabs DA, Inokuma M, Maecker HT,

- Bredt B, Jacobson MA, for the Studies of Ocular Complications of AIDS Research Group. Protective immunity to cytomegalovirus (CMV) retinitis in AIDS is associated with CMV-specific T cells that express interferon- $\gamma$  and interleukin-2 and have a CD8+ cell early maturational phenotype. *J Infect Dis* 2006;194:1537-46.
47. **Thorne JE**, Wittenberg SE, Jabs DA, Peters GB, Reed TL, Kedhar SR, Dunn JP. Multifocal choroiditis with panuveitis: Incidence of ocular complications and loss of visual acuity. *Ophthalmology* 2006 Dec;113(12):2310-6.
  48. **Thorne JE**, Holbrook JT, Jabs DA, Kempen JH, Nichols C, Meinert CL, for the Studies of Ocular Complications of AIDS Research Group. Effect of cytomegalovirus retinitis on the risk of visual acuity loss among patients with AIDS. *Ophthalmology* 2007 Mar;114:591-8.
  49. **Thorne JE**, Wittenberg S, Kedhar SR, Dunn JP, Jabs DA. Optic neuropathy complicating multifocal choroiditis and panuveitis (MFCPU). *Am J Ophthalmol* 2007 Apr(4);143:721-3.
  50. Jabs DA, Van Natta ML, Holbrook JT, Kempen JH, Meinert CL, Davis MD, for the Studies of the Ocular Complications of AIDS Research Group. The Longitudinal Study of the Ocular Complications of AIDS: 1. Ocular diagnoses at enrollment. *Ophthalmology* 2007;114:780-6.
  51. Jabs DA, Van Natta ML, Holbrook JT, Kempen JH, Meinert CL, Davis MD, for the Studies of the Ocular Complications of AIDS Research Group. The Longitudinal Study of the Ocular Complications of AIDS: 2. Ocular examination results at enrollment. *Ophthalmology* 2007Jun;114:787-93.
  52. Gerstenblith AT, **Thorne JE**, Sobrin L, Do DV, Shah SM, Foster CS, Jabs DA, Nguyen QD. Punctate inner choroidopathy: A survey analysis of 77 persons. *Ophthalmology* 2007 Jun(6);114:1201-4.
  53. Woreta F, **Thorne JE**, Jabs DA, Kedhar SR, Dunn JP. Risk factors for ocular complications and poor vision at presentation among patients with uveitis and juvenile idiopathic arthritis. *Am J Ophthalmol* 2007 Apr;143(4):647-55.
  54. Galor A, **Thorne JE**, Jabs DA. Rheumatic disease and scleritis (letter). *Ophthalmology* 2007;114(6):1232.
  55. **Thorne JE**, Woreta F, Kedhar SR, Dunn JP, Jabs DA. Juvenile idiopathic arthritis (JIA)-associated uveitis: incidence of ocular complications and visual acuity loss. *Am J Ophthalmol* 2007; May 143(5):840-6.
  56. Martin BK, Ricks MO, Forman MS, Jabs DA, for the Cytomegalovirus Retinitis and Viral Resistance Study Group. Change over time in incidence of ganciclovir resistance in patients with cytomegalovirus retinitis. *Clin Infect Dis* 2007;44:1001-1008.
  57. Kedhar SR, MD, Belair M-L, Jun AS, Sulkowski M, **Thorne JE**. Scleritis and peripheral ulcerative keratitis with hepatitis-C virus-related cryoglobulinemia. *Arch Ophthalmol* 2007 Jun;125(6):852-3.
  58. Gilson MM, Bressler NM, Jabs DA, Solomon SD, **Thorne JE**, Wilson DJ. Periocular triamcinolone and photodynamic therapy for subfoveal choroidal neovascularization in age-related macular degeneration: Neovascular Age-related macular degeneration, Periocular corticosteroids and Photodynamic Therapy (NAPP) Trial Research Group. *Ophthalmology* 2007 Sep;114(9):1713-21.
  59. Kedhar SR, **Thorne JE**, Wittenberg SE, Dunn JP, Jabs DA. Multifocal choroiditis with panuveitis and punctate inner choroidopathy: comparison of clinical characteristics at presentation. *Retina* 2007 Nov-Dec.27(9):1174-9.
  60. **Thorne JE**, Jabs DA, Kedhar SR, Peters GB, Dunn JP. Loss of visual field among patients with birdshot chorioretinopathy. *Am J Ophthalmol* 2008 Jan;145(1):23-8.
  61. Leder HA, Galor A, Peters GB, Kedhar SR, Dunn JP, **Thorne JE**. Resolution of conjunctival Kaposi's sarcoma after institution of highly active antiretroviral therapy alone. *Br J Ophthalmol* 2008;92:151.
  62. Leder HA, Galor A, **Thorne JE**, Jabs DA. Disappearance of classic Birdshot spots after immunosuppression with tacrolimus and mycophenolate mofetil. *Br J Ophthalmol* 2008;92:291.

63. Freeman WR, Van Natta ML, Jabs DA, Sample PA, Sadun A, **Thorne J**, Holland GN, Shah K for the Studies of Ocular Complications of AIDS (SOCA) Research Group. Vision function in HIV patients without retinitis. *Am J Ophthalmol* 2008;45:453-62.
64. Kim SJ, Adams NA, Toma H, Belair ML, **Thorne JE**, Green WR, Jabs DA. Safety of intravitreal ketorolac and diclofenac: An electroretinographic and histopathologic study. *Retina* 2008;Apr;28(4):595-605.
65. Jacobson MA, Tan QX, Girling V, Poon C, Van Natta M, Jabs DA, Inokuma M, Maecker HT, Bredt B, Sinclair E for the Studies of Ocular Complications of AIDS Research Group. Poor predictive value of cytomegalovirus (CMV)-specific T cell assays for the development of CMV retinitis in AIDS. *Clin Infect Dis* 2008;46:458-466.
66. **Thorne JE**, Daniel E, Jabs DA, Kedhar SR, Peters GB, Dunn JP. Smoking as a risk factor for cystoid macular edema complicating intermediate uveitis. *Am J Ophthalmol* 2008 May;145:841-6.
67. Kim SJ, Belair M, Bressler NM, Dunn JP, **Thorne JE**, Kedhar SR, Jabs DA. A method of reporting macular edema after cataract surgery using optical coherence tomography. *Retina* 2008;Jun;28(6):870-6.
68. Galor A, Jabs DA, Leder HA, Kedhar SR, Dunn JP, **Thorne JE**. Comparison of antimetabolite drugs as first-line corticosteroid-sparing therapy for noninfectious ocular inflammation. *Ophthalmology* 2008;115(10):1826-32.
69. Kempen JH, Gangaputra S, Daniel E, Levy-Clarke GA, Nussenblatt RB, Rosenbaum JT, Suhler EB, **Thorne JE**, Foster CS, Jabs DA, Helzlsouer KJ. Long-term risk of malignancy among patients treated with immunosuppressive agents for ocular inflammation: a critical assessment of the evidence. *Am J Ophthalmol* 2008 Dec;146(6):802-12.
70. Galor A, Leder HA, **Thorne JE**, Dunn JP. Transient band keratopathy associated with ocular inflammation and systemic hypercalcemia. *Clin Ophthalmol* 2008;2:645-7.
71. Kaçmaz RO, Kempen JH, Newcomb C, Gangaputra S, Daniel E, Levy-Clarke GA, Nussenblatt RB, Rosenbaum JT, Suhler EB, **Thorne JE**, Jabs DA, Foster CS; Systemic Immunosuppressive Therapy for Eye Diseases Cohort Study Group. Ocular inflammation in Behçet disease: incidence of ocular complications and loss of visual acuity. *Am J Ophthalmol* 2008 Dec;146(6):828-36.
72. **Thorne JE**, Woreta FA, Jabs DA, Anhalt GJ. Treatment of ocular mucous membrane pemphigoid with immunosuppressive drug therapy. *Ophthalmology* 2008 Dec;115(12):2146-52.
73. Lim LL, Scarborough J, **Thorne JE**, Graham L, Kempen J, Mackensen F, Nguyen QD, Prabritputaloong T, Read R, Suhler EB, Schwartz JM, Smith JR. Uveitis in patients with autoimmune hepatitis. *Am J Ophthalmol* 2009 Feb;147:332-8.
74. Sabet-Peyman EJ, Heussen FM, **Thorne JE**, Casparis H, Patel SJ, Do DV. Progression of macular ischemia following intravitreal bevacizumab. *Ophthalmic Surg Lasers Imaging* 2009 May Jun;40:316-8.
75. Akpek EK, Klimava A, **Thorne JE**, Martin D, Lekhanont K, Ostrovsky A. Evaluation of patients with dry eye for presence of underlying Sjorgren syndrome. *Cornea* 2009 Jun;28(5):493-7.
76. Belair ML, Kim SJ, **Thorne JE**, Dunn JP, Kedhar SR, Brown DM, Jabs DA. Incidence of cystoid macular edema after cataract surgery in patients with and without uveitis using optical coherence tomography. *Am J Ophthalmol* 2009 Jul;148:128-35.
77. Pasadhika S, Kempen JH, Newcomb CW, Liesegang TL, Pujari SS, Rosenbaum JT, **Thorne JE**, Foster CS, Jabs DA, Levy-Clarke GA, Nussenblatt RB, Suhler EB for the Systemic Immunosuppressive Therapy for Eye Diseases Cohort Study. Azathioprine for ocular inflammatory diseases. *Am J Ophthalmol* 2009;148(4):500-9.
78. Pearlman RB, Feldman MA, Golchet PR, Yannuzzi LA, Cooney MJ, **Thorne JE**, Folk JC, Ryan ET, Agarwal A, Barnes KC, Becker KG, Jampol LM. Increased prevalence of autoimmunity in patients with white spot syndromes and their family members. *Arch Ophthalmol* 2009 Jul;127:869-74.
79. Kempen JH, Daniel E, Dunn JP, Foster CS, Gangaputra S, Hanish A, Helzlsouer KJ, Jabs DA, Kaçmaz RO, Levy-Clarke GA, Liesegang TL, Newcomb CW, Nussenblatt RB, Pujari SS,

- Rosenbaum JT, Suhler EB, **Thorne JE**. Overall and cancer related mortality among patients with ocular inflammation treated with immunosuppressive therapy: retrospective cohort study. *Br Med J* 2009; Jul 3;339:1645-55.
80. Gangaputra S, Newcomb CW, Liesegang TL, Kacmaz RO, Jabs DA, Levy-Clarke GA, Nussenblatt RB, Rosenbaum JT, Suhler EB, **Thorne JE**, Foster CS, Kempen JH. Methotrexate for ocular inflammatory disease. *Ophthalmology* 2009;116:2188-98.
  81. Galor A, Davis JL Flynn HW Jr, Feuer WJ, Dubovy SR, Setlur V, Kesen MR, Goldstein DA, Tessler HH, Ganelis IB, Jabs DA, **Thorne JE**. Sympathetic ophthalmia: Incidence of ocular complications and vision loss in the sympathizing eye. *Am J Ophthalmol* 2009 Nov;148(5):704-10.
  82. Jabs DA, Martin BK, Forman MS; Cytomegalovirus Retinitis and Viral Resistance Research Group. Mortality associated with resistant cytomegalovirus among patients with cytomegalovirus retinitis and AIDS. *Ophthalmology* 2010 Jan;117(1):128-32.
  83. Pujari S, Kempen JH, Newcomb CW, Gangaputra S, Daniel E, Suhler EB, **Thorne JE**, Jabs DA, Levy-Clarke GA, Nussenblatt RB, Rosenbaum JT, Foster CS, for the Systemic Immunosuppressive Therapy for Eye Diseases Cohort Study. Cyclophosphamide for ocular inflammatory diseases. *Ophthalmology* 2010 Feb;117(2):356-65.
  84. Zaidi AA, Ying G, Daniel E, Gangaputra S, Rosenbaum JT, Suhler EB, **Thorne JE**, Foster CS, Jabs DA, Levy-Clarke GA, Nussenblatt RB, Kempen JH for the Systemic Immunosuppressive Therapy for Eye Diseases Cohort Study. Hypopyon in patients with uveitis. *Ophthalmology* 2010 Feb;117:366-72.
  85. Kaçmaz RO, Kempen JH, Newcomb CW, Daniel E, Gangaputra S, Nussenblatt RB, Rosenbaum JT, Suhler EB, **Thorne JE**, Jabs DA, Levy-Clarke GA, Foster CS for the Systemic Immunosuppressive Therapy for Eye Diseases Cohort Study. Cyclosporine for ocular inflammatory diseases. *Ophthalmology* 2010 Mar;117(3):576-84.
  86. Daniel E, **Thorne JE**, Newcomb CW, Pujari S, Kaçmaz RO, Levy-Clarke GA, Nussenblatt RB, Rosenbaum JT, Suhler EB, Foster CS, Jabs DA, Kempen JH for the Systemic Immunosuppressive Therapy for Eye Diseases Cohort Study. Mycophenolate mofetil for ocular inflammation. *Am J Ophthalmol* 2010 Mar;149(3):423-32.e1-2.
  87. Hendrickson SL, Jabs DA, Van Natta M, Lewis RA, Wallace DC, O'Brien SJ. Mitochondrial haplogroups are associated with risk of neuroretinal disorder in HIV-positive patients. *J Acquir Immune Defic Syndr* 2010;53(4):451-5.
  88. **Thorne JE**, Woreta FA, Dunn JP, Jabs DA. Risk of cataract development among children with juvenile idiopathic arthritis (JIA)-associated uveitis treated with topical corticosteroids. *Ophthalmology* 2010 Jul;117(7):1436-41.
  89. Kempen JH, Altaweel M, Holbrook JT, Jabs DA, Sugar E. The Multicenter Uveitis Steroid Treatment (MUST) Trial: Rationale, Design and Baseline Characteristics. *Am J Ophthalmol* 2010;149(4):550-61.
  90. Galor A, Feuer W, Kempen JH, Kacmaz RO, Liesegang TL, Suhler EB, Foster CS, Jabs DA, Levy-Clarke GA, Nussenblatt RB, Rosenbaum JT, **Thorne JE** and the Systemic Immunosuppressive Therapy for Eye Diseases Cohort Study Group. Adverse effects of smoking on patients with ocular inflammation. *Br J Ophthalmol* 2010 Jul;94(7):848-53.
  91. Sezgin E, Jabs DA, Hendrickson SL, van Natta M, Zdanov A, Lewis RA, Smith MW, Troyer JL, O'Brien SJ and the LSOCA Research Group. Effect of host genetics on CMV retinitis occurrence in patients with AIDS. *J Infect Dis* 2010;202(4):606-13.
  92. Sezgin E, Hendrickson SL, Jabs DA, van Natta ML, Lewis RA, Troyer JL, O'Brien SJ and the LSOCA Research Group. Effect of host genetics on incidence of HIV neuroretinal disorder in patients with AIDS. *J Acquir Immune Defic Syndr* 2010;54(4):343-51.
  93. Holland GN, Kappel PJ, van Natta ML, Palella FJ, Lyon AT, Shah KH, Pavan PR, Jabs DA on behalf of the Studies of Ocular Complications of AIDS. Association between abnormal contrast sensitivity and mortality among people with acquired immunodeficiency syndrome. *Am J Ophthalmol* 2010;149(5):807-16.

94. Puhan MA, van Natta ML, Pallela F, Adiessi A, Meinert CL for the Studies of Ocular Complications of AIDS (SOCA) Research Group. Excess mortality in patients with AIDS in the era of highly active antiretroviral therapy: Temporal changes and risk factors. *Clin Infect Dis* 2010 Oct 15;51(8):947-56.
95. Althoff KN, Justice AC, Gange SJ, Deeks SG, Saag MS, Silverberg MJ, Gill MJ, Lau B, Napravnik S, Tedaldi E, Klein M, Gebo KA for the North American AIDS Cohorts Collaboration on Research and Design. Virologic and immunologic response to Highly Active Antiretroviral Therapy HAART, by age and regimen class. North American AIDS Cohorts Collaboration on Research Design (NA-ACCORD) *AIDS* 2010 Oct 23;24(16):2469-79.
96. Jabs DA, Ahuja A, van Natta M, Lyon A, Srivastava S, Gangaputra S, for the SOCA Research Group. Course of cytomegalovirus retinitis in the era of highly active antiretroviral therapy: Five-year Outcomes. *Ophthalmology* 2010 Nov;117(11):2152-61.
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  173. Burkholder BM, Moradi A, **Thorne JE**, Dunn JP. The Dexamethasone Intravitreal Implant for Noninfectious Uveitis: Practice Patterns Among Uveitis Specialists. *Ocul Immunol Inflamm* 2015 Dec;23(6):444-52. doi: 10.3109/09273948.2015.1070180. Epub 2015 Oct 30.
  174. Kim SJ, Schoenberger SD, **Thorne JE**, Ehlers JP, Yeh S, Bakri SJ. Topical Nonsteroidal Anti-inflammatory Drugs and Cataract Surgery: A Report by the American Academy of Ophthalmology. *Ophthalmology* 2015 Nov;122(11):2159-68. doi: 10.1016/j.ophtha.2015.05.014. Epub 2015
  175. Amin RM, Miserocchi E, **Thorne JE**, Hornbeak D, Jabs DA, Zierhut M. Treatment Options for Juvenile Idiopathic Arthritis (JIA) Associated Uveitis. *Ocul Immunol Inflamm* 2016 Feb;24(1):81-90. doi: 10.3109/09273948.2015.1077976. Epub 2015 Dec 11.
  176. Patel AK, Newcomb CW, Leisegang TL, Pujari SS, Suhler EB, **Thorne JE**, Foster CS, Jabs DA, Levy-Clarke GA, Nussenblatt RB, Rosenbaum JT, Sen HN, Artornsombudh P, Kothari S, Kempen JH. Risk of Retinal Neovascularization In Cases of Uveitis. *Ophthalmology* 2016 Mar; 123(3):646-654. doi 10.1016/j.ophtha.2015.20.056. Epub 2015 Dec 11.
  177. Holbrook JT, Sugar EA, Burke AE, Vitale AT, **Thorne JE**, Davis J, Jabs DA; Multicenter Uveitis Steroid Treatment (MUST) Trial Research Group. Dissociations of Fluocinolone Acetonide Implant: The Multicenter Uveitis Steroid Treatment (MUST) Trial and Follow-up Study. *Am J Ophthalmol* 2015 Dec 31. pii: S0002-9394(15)30049-0. doi: 10.1016/j.ajo.2015.12.028. [Epub ahead of print]
  178. Kempen JH, Gewaily DY, Newcomb CW, Leisegang TL, Kacmaz RO, Levy-Clarke GA, Nussenblatt RB, Rosenbaum JT, Sen HN, Suhler EB, **Thorne JE**, Foster CS, Jabs DA, Payal A, Fitzgerald TD; Systemic Immunosuppressive Therapy for Eye Diseases (SITE) Research Group. Remission of Intermediate Uveitis: Incidence and Predictive Factors. *Am J Ophthalmol* 2016 Jan 6. pii: S0002-9394(16)30002-2. doi: 10.1016/j.ajo.2015.12.034. [Epub ahead of print]
  179. Yu T, Holbrook JT, **Thorne JE**, Puhana MA. Using a patient-centered approach to benefit-harm assessment in treatment decision-making: a case study in uveitis. *Pharmacoepidemiol Drug Saf* 2016 Jan 22. doi: 10.1002/pds.3959. [Epub ahead of print]
  180. Broussard KC, Leung TG, Moradi A, **Thorne JE**, Fine JD. Autoimmune bullous diseases with skin and eye involvement: Cicatricial pemphigoid, pemphigus vulgaris, and pemphigus paraneoplastica.

*Clin Dermatol.* 2016 Mar-Apr;34(2):205-213. doi: 10.1016/j.clindermatol.2015.11.006. Epub 2015 Dec 19.

181. **Thorne JE**, Skup M, Tundia N, Macaulay D, Revol C, Chao J, Joshi A, Dick AD. Direct and Indirect Resource Use, Healthcare Costs, and Work Force Absence in Patients With Non-infectious Intermediate, Posterior, or Panuveitis. *Acta Ophthalmol* 2016 [epub ahead of print]. doi:10.1111/aos.12987

### **Extramural Funding (current, pending, previous)**

#### **Current Support**

- 7/15/88-7/31/15      Coordinating Center, Studies of Ocular Complications of AIDS  
NEI U10 EY0 8052  
\$5,579,562.00  
PI: Curtis L. Meinert  
Role: Deputy Director, Medical Ophthalmologist, Epidemiologist; Effort: 35%;  
Major Goal: To evaluate vision outcomes among patients with AIDS and with  
ocular opportunistic infections secondary to AIDS, most commonly  
cytomegalovirus retinitis.
- 7/1/03-12/31/17      Coordinating Center, Multicenter Uveitis Steroid Treatment (MUST) Trial  
NEI U10 EY014655 (Janet T. Holbrook)  
\$5,369,540.00  
PI: Janet T. Holbrook  
Role: Medical Officer; Chair, Medical Therapy Quality Assurance Committee;  
Effort: 10%  
Major Goal: Compare the fluocinolone acetonide implant to “standard therapy”  
for the treatment of patients with severe, vision-threatening intermediate,  
posterior, or panuveitis.
- 10/1/12      A Multicenter Study of the Efficacy and Safety of the Human Anti-TNF  
Monoclonal Antibody Adalimumab as Maintenance Therapy in Subjects  
Requiring High Doses of Corticosteroids for Active Non-Infectious Intermediate,  
Posterior, and Pan-Uveitis  
Abbott/ABB-VIE 877  
\$482,713.00  
PI: Jennifer E. Thorne
- 10/1/12-9/30/16      A Multicenter Study of the Efficacy and Safety of the Human Anti-TNF  
Monoclonal Antibody Adalimumab in Subjects with Non-Infectious  
Intermediate, Posterior, and Pan-Uveitis  
Abbott/ABB-VIE 880  
\$457,281.00  
PI: Jennifer E. Thorne
- 10/1/12-9/30/18      A Multicenter Open-Label Study of the Long-Term Safety and Efficacy of the  
Human Anti-TNF Monoclonal Antibody in Subjects with Non-Infectious,  
Intermediate, Posterior, and Pan-Uveitis  
Abbott/ABB-VIE 327  
\$444,952.00  
PI: Jennifer E. Thorne

12/1/12-11/30/16	A Randomized, Double masked, Placebo-controlled Study of the Safety and Efficacy of Gevokizumab in the Treatment of Active Non-Infectious Intermediate, Posterior, or Pan Uveitis XOMA 130 \$158,745.00 PI: Jennifer E. Thorne
12/1/12-11/30/16	A Randomized, Double masked, Placebo-controlled Study of the Safety and Efficacy of Gevokizumab in the Treatment of Subjects with Non-Infectious Intermediate, Posterior, or Pan-Uveitis currently Inactive XOMA 131 \$135,322.00 PI: Jennifer E. Thorne
10/1/13-9/30/17	Proof of Concept Study of the Effectiveness of Ozurdex in lieu of Oral Corticosteroids for the Control of Active Intermediate, Posterior and Panuveitis Requiring Immunosuppressive Drug Therapy Investigator Initiated Grant to Allergan, Inc. #000443 \$298,000 (proposed direct and indirect costs) PI: Jennifer E. Thorne
09/15/14-04/30/17	MUST Follow Up Study JHU Clinical Center PI
09/30/14 -08/31/19	Chairman's Office; Meta-MUST PI: Douglas A. Jabs, MD, MBA Role: Protocol Chair for POINT
<b>Previous Support</b>	
6/1/94-5/31/95	Effects of <i>Clostridium difficile</i> toxin A on apoptosis in human neutrophils 70394-50190 Award Howard Hughes Medical Institute Fellowship Role: PI, Effort: 100%
2/1/02-4/30/07	Visual outcomes and quality of life in patients with CMV retinitis and AIDS K23 EY 013707 Mentored Patient-Oriented Research Career Development Award Role: PI; Effort: 90%
5/1/04-4/30/08	Systemic Immunosuppressive Therapy for Eye Disease (SITE) Cohort Study NEI RO1 EY014943 PI: Kempen Role: PI at Johns Hopkins Site; Effort: 10%; Major Goal: Evaluate the long-term risk of mortality and of cancer in patients receiving immunosuppressive therapy for non-infectious inflammatory eye diseases.
8/1/08-7/31/13	Standardization of Uveitis Nomenclature (SUN) NEI U10 EY08052 supplement



\$39,294.00  
PI: Curtis L. Meinert  
Role: Executive Committee, Chief Epidemiologist/Statistician, Effort: 16%;  
Major Goal: To standardize classification criteria and results reporting for  
clinical research in uveitis.

6/1/07-12/31/13      Research to Prevent Blindness Harrington Special  
Scholars Award  
\$55,000.00  
PI: Jennifer E. Thorne  
Role: Major Goal: To describe the incidence of and risk factors for visual loss  
and ocular complications among patients with ocular inflammatory diseases, with  
emphasis on treatment outcomes.

7/1/11-6/30/14      North American AIDS Cohorts Collaboration on Research and Design  
NIAID UO1 AA1069918  
\$1,527,260.00  
PI: Richard D. Moore  
Role: Effort: 10%; Consortium HIV/AIDS databases from academic medical  
centers and community based facilities that deliver HIV care in the U.S. and  
Canada to identify questions of intraregional and interregional importance that  
are critical to the contemporary treatment of HIV infection in North America,  
and design and implement the analyses necessary to answer these questions.

10/1/10-8/31/15      Systemic Immunosuppressive Therapy for Eye Disease (SITE) 2 Cohort Study  
NEI RO1 EY014943  
\$24,413.00  
PI: John H. Kempen  
Role: Principal Investigator at the Johns Hopkins Site, Effort: 5% ; Major Goal:  
Evaluate the long-term risk of cancer diagnosis and cancer-related morbidity in  
patients receiving immunosuppressive therapy for non-infectious inflammatory  
eye diseases.

### **Pending Support**

### **Fellowships (Funded)**

7/00-6/01      Heed Fellowship  
1/01-6/01      AIDS Training Award, Department of Infectious Diseases, Johns Hopkins  
University School of Medicine  
7/01-1/02      Maumenee Clinician Scientist Award, The Wilmer Eye Institute, Johns Hopkins  
University School of Medicine  
9/01-1/02      Center for Clinical Trial Vision Research Training Program, Department of  
Epidemiology, Johns Hopkins Bloomberg School of Public Health

### **Clinical Trials and Studies (\* Indicates Funding Received)**

2000      The Longitudinal Study of Ocular Complications of AIDS (LSOCA), Co-Investigator,  
Coordinating Center member, Medical Officer (2006), Deputy Director of Coordinating

Center (2007), Study Officer (2007)\*

2000 – 2009 The Cytomegalovirus Retinitis and Viral Resistance Study (CRVR), Co- Investigator

2001 – 2003 Fluocinolone Acetonide Implant Trial, Co-Investigator

2001 – 2007 Neovascular Age-related Macular Degeneration, Periocular Steroids, and Photodynamic Therapy Trial (NAPP), Co-Investigator, Member of Executive Committee\*

2002 Retrospective Analyses of Clinical Outcomes of Ocular Inflammatory Disease Study, Principal Investigator\*

2003 The Multicenter Uveitis and Steroid Treatment Trial (MUST), Medical Officer for Coordinating Center; Faculty Advisor, Visual Function Quality Assurance Committee (VFQAC); Chair, Medical Therapy Quality Assurance Committee (MTQAC)\*

2003 - 2004 CENTOCOR [Phase I/IIA trial: a double-masked, placebo-controlled, multicenter study evaluating the safety, pharmacokinetics, immunogenicity, and clinical response to multiple subcutaneous administrations of the human monoclonal antibody to human TNF-alpha (CENTO148) in patients with intermediate uveitis, posterior uveitis or panuveitis], Co-Investigator

2004 - 2009 White Spot Syndrome Database Study, Co-investigator; Principal Investigator (2005)\*

2005 - 2007 Punctate Inner Choroidopathy Survey Study, Co-Investigator

2006 - Retrospective analyses of clinical characteristics and outcomes of eye disorders in patients with systemic or local ocular infections seen in the Division of Ocular Immunology, Principal Investigator

2007 - Systemic Immunosuppressive Therapy for Eye Diseases (SITE) Cohort Study, Principal Investigator, JHU site\*

2007 - 2009 Study of Ocular Complications of AIDS (SOCA), Principal Investigator for Chairman's office, JHU site\*

2007 - 2010 The Multicenter Uveitis and Steroid Treatment Trial (MUST), Principal Investigator for Chairman's office, JHU site\*

2007 - 2009 Allergan, Posurdex/Ozurdex Study, Principal Investigator\*

2008 - 2010 Novartis, An Open-Label, Proof-of-Concept Study to Assess the Effects of Two AIN457 Doses (on Day 1 and Day 22) in Patients With Non-infectious Uveitis, Co-Investigator

2009 - 2012 Sirolimus as Therapeutic Approach for Uveitis (SAVE-1), Co-Investigator

2009 - 2012 Novartis AEB071: Uveitis and macular edema study, Co-Investigator

2009 - NA-ACCORD Steering Committee, Principal Investigator for LSOCA\*

2010 - 2013 JIA Genetics Study, Principal Investigator for JHU\*

2010 - 2015 Systemic Immunosuppressive Therapy of Eye Diseases (SITE) 2, Principal Investigator for JHU site\*

2011 - 2012 Sirolimus as Therapeutic Approach for Uveitis (Save) 2, Co-Investigator

2012 - Abbott M10-880, M10-877 and M11-327: Clinical trials investigating the Efficacy of Humira in the Treatment of Intermediate, Posterior and Panuveitis, Principal Investigator for JHU Division of Ocular Immunology\*

2012 - XOMA Protocols 130, 131 and 132: Clinical Trials Investigating the Effectiveness of Gevokizumab (XOMA 052) in the Treatment of Intermediate, Posterior and Panuveitis, Principal Investigator for JHU\*

## EDUCATIONAL ACTIVITIES

### Invited Review Articles and Book Chapters

1. **Thorne JE**, Syed NA. Iritis. *Current Concepts in Ophthalmology*. 1999;March:36-40.
2. **Thorne JE**, Jabs DA. Ocular manifestations of vasculitis. *Rheum Dis Clin North Am* 2001;27:761-

- 779.
3. **Thorne JE**, Anhalt GJ, Jabs DA. Ocular mucous membrane pemphigoid. *Dermatologic Therapy* 2002;15:389-396.
  4. Jabs DA, **Thorne JE**. Ophthalmologic disease. In: Dolin R, Masur H, Saag MS (eds). *AIDS Therapy*, 2<sup>nd</sup> edition. Philadelphia: Churchill-Livingstone; 2002:785-800.
  5. **Thorne JE**, Jabs DA. Rheumatic diseases. In: Ryan SJ (ed) *Retina*, 4<sup>th</sup> Edition. St Louis: CV Mosby Co.; 2006:1383-1408.
  6. Galor A, **Thorne JE**. Scleritis and peripheral ulcerative keratitis. *Rheum Dis Clin North Am* 2007;33:835-854.
  7. **Thorne JE**, Galor A. Cytomegalovirus retinitis. *Exp Rev Ophthalmol* 2007;2(4):583-595.
  8. **Thorne JE**, Jabs DA. Ocular manifestations of the rheumatic diseases. In: *Duane's Clinical Ophthalmology*. (in press).
  9. **Thorne JE**, Jabs DA. The eye in rheumatic disease. In: Hochberg MC, Silman AJ, Smolen JS, Weinblatt ME, Weisman MH (eds). *Rheumatology*, 4<sup>th</sup> Edition, Philadelphia: Elsevier; 2008, pp. 261-268.
  10. Jabs DA, **Thorne JE**. Ophthalmologic disease. In Dolin R, Masur H, Saag M (eds) *AIDS Therapy*, 3<sup>rd</sup> ed. New York: Churchill Livingstone 2008.
  11. **Thorne JE**. Birdshot chorioretinopathy. In: Albert D, Miller J, Azar D, Blodi B (eds). *Albert and Jakobiec's Principles and Practice of Ophthalmology*, 3<sup>rd</sup> Ed. New York: Saunders 2008.
  12. Daniel E, **Thorne JE**. Recent advances in mucous membrane pemphigoid. *Curr Opin Ophthalmol* 2008;19(4):292-7.
  13. **Thorne JE**. Conjunctival Biopsy. In: Dunn JP, Langer PD (eds). *Basic Techniques of Ophthalmic Surgery*. San Francisco: American Academy of Ophthalmology 2009. pp. 38-40.
  14. **Thorne JE**, Jabs DA. The eye in rheumatic disease. In: Hochberg MC, Silman AJ, Smolen JS, Weinblatt ME, Weisman MH (eds). *Rheumatology*, 5<sup>th</sup> Edition, Philadelphia: Elsevier; 2010, Chapter 33, 2011.
  15. **Thorne JE**, Jabs DA. The epidemiology of uveitis. In: *The Epidemiology of Eye Disease*, 3<sup>rd</sup> Edition, Imperial College Press, London 2012, Chapter 19.
  16. Galor A, **Thorne JE**, Jabs DA. Full text of: Tasman, William; Edward., Ocular Manifestations of the Rheumatic Diseases. Chapter 26: In Tasman W, Jaeger EA(eds) *Duane's Ophthalmology* 2011 edition, Copyright © 2011 Lippincott Williams & Wilkins.
  17. **Thorne JE**. Cataract in patients with juvenile idiopathic arthritis (JIA)-related chronic anterior uveitis: Response to Letter to the Editor. *Ophthalmology*. 2011 Dec;118(12):2524-25.
  18. **Thorne JE**. Weighing the evidence: Evaluating contributions from case reports and case series. *Retinal Cases and Brief Reports*. 2012;6(4):337-8.
  19. Gan TJ, **Thorne JE**. Management of ocular mucous membrane pemphigoid. *Expert Rev Ophthalmol*. 2012,7(3), 271-279.
  20. **Thorne, JE**, Jabs DA, "The eye in rheumatic disease." In *Rheumatology*, 6<sup>th</sup> Edition, eds. Hochberg M, Silman A, Smolen J, Weinblatt M, Weisman M. St. Louis: Elsevier, publication pending 2014.

## Teaching

Classroom instruction:

- |                |  |
|----------------|--|
| 9/99 – 6/00    | Chief Resident Rounds, Scheie Eye Institute: biweekly courses on general ophthalmology for first year residents.   |
| 1/02 – present | Resident and Medical Student Lectures, The Wilmer Eye Institute: Periodic lectures on systemic diseases affecting the eye, scleritis, mucous membrane pemphigoid, use of immunosuppressive drug therapy. |

7/12 – 7/14 Divisional Education Champion for the Wilmer Residency Program

7/12 – present Quarterly resident rounds and lectures

CME instruction

7/00 – Present Uveitis Conference, The Division of Ocular Immunology, The Wilmer Eye Institute: monthly case-oriented, didactic conferences for resident and faculty.

7/00 – present Annual Current Concepts in Ophthalmology, Baltimore, MD

**Mentoring Activities:**

2004 Irina Bykhovskaya, MSIV – Project: Clinical Outcomes of Vogt-Koyanangi-Harada (VKH) Syndrome

2004 Nahyoung Grace Lee, MSIV – Project: Clinical Outcomes in Sympathetic Ophthalmia

2005 Fasika Woreta, MSIII-IV – Project 1: Ocular Complications and Visual Acuity Loss in Patients with Juvenile Idiopathic Arthritis  
Project 2: Treatment Outcomes in Mucous Membrane Pemphigoid (This project comprised her Masters' thesis for a Masters of Public Health at the Johns Hopkins Bloomberg School of Public Health. Faculty advisor for MPH

2004 Margaret Yew, MSI—Project: Long-term Complications from Treatment of Cytomegalovirus Retinitis using the Ganciclovir Implant

2008 Mary Ann Karolchyk, DO. Faculty advisor for MPH

2009 Kathleen Oktavec, MSIII. Faculty advisor for MHS in Epidemiology

2010 Sherveen Salek, MSIII. Outcomes of periocular corticosteroid injections

2010 Lark Greenwald, MSIII. Project in Paquenil toxicity

2010 Olukemi Adeyemo, MD, MPH. Project on the clinical outcomes of Birdshot chorioretinitis in SITE

2010 Anthony Gregory, MSIV. Outcomes of JIA-related uveitis in SITE

2011 Bryn Burkholder, MD. Clinical outcomes in patients with Birdshot chorioretinitis treated with fluocinolone acetonide implants

2011 Fasika Woreta, MD, MPH. Developing a severity index for JIA-related chronic uveitis

2011 Erika Tanaka, MS I. Retinal nerve fiber layer thickness in patients with Birdshot chorioretinitis. As part of the Scholarly Concentration Course for Medical Students

2011 Dianna Liu, MS III. Clinical outcomes in punctate inner choroidopathy

2012 Tsung Yu, MHS, PhD Candidate in Epidermiology/Clinical Trials. Member of his thesis committee

2013 Trucian Ostheimer, MD. Tattoo-associated uveitis.

2013 Trucian Ostheimer, MD. Retinal OCT evaluation in Birdshot Chorioretinitis.

2013 Sherveen Salek, MD. Clinical outcomes in acute retinal necrosis.

2013 Sherveen Salek, MD and Reza Moradi, MD. Clinical outcomes in ocular syphilis.

2014 Inna Grishkan, MS IV. Outcomes of ocular hypertension and glaucoma in JIA uveitis.

2014 Dana Hornbeak, MD. Review of outcomes and safety in the use of systemic corticosteroids and immunosuppressive drug therapy.

2015 Irfan Khan, MD, Seasonal changes in HLA-B27 Uveitis

2016 Gloria Hong

Fellows (Fellowship Director 2007 – present)

2001 – 2002 George B. Peters, III, M.D., M.B.A.

2002 – 2003 Faqir A. Qazi, M.D.  
 2003 – 2004 Armando L. Oliver, M.D.  
 2004 – 2005 Sanjay R. Kedhar, M.D.  
 2004 – 2005 Susan E. Wittenberg, M.D.  
 2005 – 2006 Marie-Lynn Belair, M.D.  
 2005 – 2006 Steven J. Kim, M.D.  
 2006 – 2007 Anat Galor, M.D.  
 2006 – 2007 Henry Leder, M.D.  
 2007 – 2008 Michelle Tarver-Carr, M.D., Ph.D.  
 2007 – 2008 Ricardo Stevenson, M.D.  
 2008 – 2009 Yue Michelle Wang, M.D.  
 2009 – 2010 Adam Jacobowitz, M.D.  
 2010 – 2011 Theresa J. Gan, M.D.  
 2011 – 2012 Bryn M. Burkholder, M.D.  
 2012 – 2014 Trucian A. Ostheimer, M.D.  
 2013 – 2014 Ashley Laing, M.D.  
 2014 – 2015 Dana Hornbeak, M.D., PhD  
 2015 – Irfan Khan, M.D.

### **EDUCATIONAL PROGRAM BUILDING / LEADERSHIP**

2012 – 2015 Review Committee for Association of University Professors in Ophthalmology (AUPO) Fellowship Compliance, Vice Chair  
 2012 – 2014 Appointed, Chair, Subcommittee on Clinical Research for the Wilmer Residency Education Task Force  
 2014 – 10/01 Invited to AAO and AUPO Task Force to determine policies for the handling of SF Match Fellowship data  
 2015 – 05/03 Elected to Chair of Review Committee for AUPO Fellowship Compliance Committee (FCC); also part of the Executive Committee for the AUPO FCC

### **CLINICAL ACTIVITIES**

#### **Certification**

2001 – Present Board Certified, Ophthalmology

#### Medical Licensure

2000 – Present	Maryland	D0055886
1998 – 2000	Pennsylvania	MD-066770-L

#### **Clinical (Service) Responsibilities**

2002 – Present Division of Ocular Immunology Clinic, attending, 1-2 days/week  
 2003 – Present Director of Mucous Membrane Pemphigoid Clinical, attending, 1 day/month

### **SYSTEM INNOVATIONS and QUALITY IMPROVEMENT ACTIVITIES – not applicable**

### **ORGANIZATIONAL ACTIVITIES**

#### **Institutional Administrative Appointments**

- 2005 – 2008 Member, Search Committee for Division of Ocular Immunology
- 2007 – 2009 Member, Wilmer Research Committee
- 2007 – 2009 Member, Search Committee for Pediatric Ophthalmology
- 2007 – Present Member, Wilmer K12 Committee
- 2008 – 2011 Chair, Wilmer K Committee
- 2009 – Present Chair, Search Committee for Division of Ocular Immunology
- 2010 – Present Appointed, Division Director of the Division of Ocular Immunology
- 2010 – Present Member, Long Ranch Planning Committee
- 2010 – Present Member, Finance Committee
- 2010 – Present Member, Clinical Practice and Billing Compliance Advisory Committee
- 2010 – Present Member, Professional Practice Evaluation Review Committee
- 2011 – Present Member, Clinical Practice Redesign Committee for Wilmer Downtown Practice
- 2012 – Present Member, Wilmer Worldwide Committee
- 2012 – Present Appointed, Divisional Education Champion for the Wilmer Residency Program
- 2012 – Present Member, Search Committee for Wilmer Immunology
- 2014 – Present Member, Wilmer PPC

### **Editorial Activities**

#### Editorial Board Appointments

- 2009 *Ocular Immunology and Inflammation*

#### Journal Peer Reviewer

- 2002 *American Journal of Ophthalmology, Ocular Immunology and Inflammation, Ophthalmology, Retina*
- 2003 *AIDS, Archives of Ophthalmology (now JAMA Ophthalmology, Survey of Ophthalmology, British Journal of Ophthalmology)*
- 2007 *Cornea*
- 2009 *Ophthalmic Epidemiology, Acta Ophthalmologica Scandinavica*
- 2010 *Comprehensive Reviews in Ophthalmology, Pediatric Rheumatology, Archives of Dermatology*
- 2012 *Orphanet Journal of Rare Diseases*
- 2012 *Retinal Cases and Brief Reports*
- 2014 *New England Journal of Medicine*
- 2015 *PLOS ONE*

### **Advisory Committees, Review Groups/Study Sections**

- 2007 Reviewer for Uveitis Subspecialty, Ophthalmic News and Education (O.N.E.) Network, American Academy of Ophthalmology
- 2007 Board of Managers, Association of University Professors in Ophthalmology (AUPO) Fellowship Compliance Committee
- 2009 Member in the Uveitis Subspecialty, Practicing Ophthalmologists Curriculum (POC) for the American Academy of Ophthalmology
- 2009 Advisory Board, Allergan Inc.
- 2011 Advisory Board/Consultant, XOMA
- 2013 Consultant, Gilead
- 2013 Advisory Board, AbbVie
- 2014 Consultant Navigant
- 2015 Advisory Board, Mallinckrodt Pharmaceuticals

## **Professional Societies**

1991 – 1996 American Medical Association  
1997 – 2000 American Society of Cataract and Refractive Surgery  
1997 – Present Association for Research in Vision and Ophthalmology  
1997 – Present American Academy of Ophthalmology  
2001 – Present Society for Heed Fellows  
2001 – Present American Uveitis Society (AUS)  
2007 – Present American Board of Ophthalmology, Examiner  
2007 – Present Association of University Professors of Ophthalmology, Member, Board of Managers, Fellowship Certification Committee  
2007 – Present Executive Board, AUS  
2009 – Present International Ocular Inflammation Society (IOIS)  
2009 – Present Pan-American Association of Ophthalmology  
2010 – 2013 Ophthalmic Advocacy Leadership Group, AUS Representative

## **Local Societies**

1997 – 2000 Pennsylvania Medical Society  
1997 – 2001 Pennsylvania Academy of Ophthalmology

## **RECOGNITION**

### **Awards, Honors**

1990 Mortar Board  
1990 Omicron Delta Kappa  
1991 Magna Cum Laude, The College of William and Mary  
1991 The James Frederic Carr Memorial Cup  
1991 The Benjamin Stoddert Ewell Award  
1994-1996 Howard Hughes Medical Student Research Fellowship  
1995 Alpha Omega Alpha  
1995 Geographic Medicine Scholarship  
1995 American Federation of Clinical Research, Travel Scholarship  
1996 American Medical Women's Association Scholars' Award  
2000 National Eye Institute Travel Scholarship, ARVO  
2000-2001 Heed Ophthalmic Foundation Fellowship  
2001-2002 Center for Clinical Trials Research in Vision Award  
2001-2002 Maumenee Clinician Scientist Award  
2001-2002 AIDS Training Award  
2002-2007 National Institutes of Health Loan Repayment Program for Clinical Investigators  
2005 Delta Omega Honorary Society in Public Health  
2007- Best Doctors in America  
2007 Best Doctors in Baltimore  
2009 American Academy of Ophthalmology Achievement Award  
2010- Top Doctors in Ophthalmology  
2010 AAO Best Paper Award (co-author)  
2011- America's Top Ophthalmologists  
2013- Global Who's Who  
2013- Ophthalmic Technology Assessment Committee, American Academy of Ophthalmology  
2014 Vitals Patients' Choice Award  
2014- AUPO/AAO Joint Task Force for AUPO Data Use

2016 Topical Nonsteroidal Anti-inflammatory Drugs and Cataract Surgery- A Report by  
The American Academy of Ophthalmology

### Invited Talks, Panels

- 1995 Guest Lecturer: “*Clostridium difficile* toxin A and apoptosis.” University of  
Ceará, Fortaleza, Brazil.
- 1995 Presentation: *Activation of neutrophil apoptosis by toxin A of Clostridium  
difficile*, 14<sup>th</sup> Annual Department of Medicine Research Day, University of  
Virginia, Charlottesville, VA
- 2000 Presentation: *Visual outcome following superior excision of subfoveal choroidal  
neovascular membrane in multifocal choroiditis*  
Scheie Eye Institute, University of Pennsylvania, Philadelphia, PA
- 2002 Presentation: *Ocular manifestations of rheumatic disease*  
Virginia Society of Rheumatologists 16<sup>th</sup> Annual Meeting, Charlottesville, VA
- 2004 Panel Member: Standardization of Uveitis Nomenclature Workshop Baltimore, Maryland
- 2005 Invited Lecturer: *Ocular autoimmune/inflammatory diseases*, New Jersey Rheumatology  
Association, Iselin, New Jersey
- 2005 Panel Member: Principles of Uveitis Management, Uveitis Subspecialty Day American  
Academy of Ophthalmology, Chicago, IL
- 2005 Invited Lecturer: *Treatment for uveitis*  
Central Pennsylvania Ophthalmology Society, Camp Hill, Pennsylvania
- 2006 Invited Lecturer: *Board review for uveitis and scleritis*  
Department of Ophthalmology, Hershey Medical Center, Hershey, Pennsylvania
- 2006 Keynote Speaker: *Treatment for ocular inflammatory diseases: when should  
immunosuppressive drugs be a first line therapy?*  
Virginia Society of Ophthalmology, Virginia Beach, VA
- 2006 Invited Speaker: *Cystoid macular edema associated with Birdshot chorioretinopathy, the  
effect of immunosuppressive drug therapy.*  
2<sup>nd</sup> International Workshop on Birdshot Chorioretinopathy, Paris, France
- 2007 Invited Speaker: American Uveitis Society Symposium for the International Ocular  
Inflammation Society (IOIS): *Pick your poison: Local versus systemic therapy in the  
treatment of sight-threatening uveitis.* IOIS International Congress, Paris, France
- 2007 Invited Speaker: Arthritis Foundation: *Ocular complications of juvenile idiopathic arthritis.*  
Baltimore, MD
- 2008 Invited Speaker: 23<sup>rd</sup> Biennial Walter Reed Ophthalmology Postgraduate Course and Alumni  
Meeting: *Update on Juvenile Idiopathic Arthritis and Uveitis.* Bethesda, MD
- 2008 Invited Speaker: 23<sup>rd</sup> Biennial Walter Reed Ophthalmology Postgraduate Course and Alumni  
Meeting: *Birdshot chorioretinopathy.* Bethesda, MD
- 2008 Invited Speaker: Update on Mucous Membrane Pemphigoid: Uveitis subspecialty day; AAO,  
Atlanta, GA
- 2009 Invited Speaker: Anterior Segment Intraocular Inflammation Symposium for the  
International Ocular Inflammation Society (IOIS): *Clinical features and patterns of juvenile  
idiopathic arthritis-related uveitis.* IOIS International Congress, Prague, Czech Republic
- 2009 Invited Speaker: Foster Ocular Inflammation Society (FOIS) Symposium in Posterior Uveitis  
for the IOIS: *What is new in the management of CMV retinitis?*  
IOIS International Congress, Prague, Czech Republic
- 2009 Invited Speaker: Pan American Association of Ophthalmology: *Update on Juvenile  
Idiopathic Arthritis-Related Uveitis.* AAO, San Francisco, CA



- 2010 Executive Committee/Lead speaker: Standardization of Uveitis Nomenclature (SUN) Working Group, International Forum, Miami, FL
- 2010 Visiting Professor: The Proctor Foundation, University of California, San Francisco.
- 2010 Invited Speaker: Managing Ocular Mucous Membrane Pemphigoid: The Importance of Immunohistochemistry of the Conjunctiva: Uveitis Subspecialty Day; AAO, Chicago, IL
- 2010 Advisory Board, Allergan Inc.
- 2011 Visiting Professor: University of Iowa, Iowa City, Iowa.
- 2011 Executive Committee/Planning Committee; JIA Panel on establishing consensus outcome measures for treatment meeting, UCLA, Los Angeles, CA
- 2011 Invited Speaker, Current Concepts, Canadian Ophthalmological Society (COS): *Biologic therapy for ocular inflammatory disease*. COS Annual Meeting, Vancouver, British Columbia, Canada
- 2011 Guest Speaker, Canadian Uveitis Society: *Immunosuppressive treatment in uveitis—SITE Study and Cystoid macular edema in uveitis*, COS Annual Meeting, Vancouver, BC, Canada
- 2011 Invited Speaker: Forum on VKH and SO, IOIS International Congress, Goa, India
- 2011 Invited Speaker: Forum on ocular manifestations of systemic disease, IOIS International Congress, Goa, India
- 2011 Invited Key Opinion Leader – XOMA
- 2011 Selected into the Leadership Program for Women Faculty, Johns Hopkins
- 2012 Visiting Professor – University of Kentucky, Louisville, Kentucky
- 2012 Executive Committee; JIA Panel on Establishing Consensus Outcome Measures for Treatment: 2<sup>nd</sup> annual meeting; UCLA, Los Angeles, CA
- 2012 Visiting Professor, University of Paris, IV; Paris, France
- 2012 Invited Speaker, International Uveitis Study Group Meeting; October; Greece
- 2012 Invited Speaker, Uveitis Subspecialty Day, American Academy of Ophthalmology Meeting, November, Chicago, Illinois
- 2012 Invited Speaker, Uveitis Forum Sponsored by the International Ocular Inflammation Society, December, Siem Riep, Cambodia
- 2012 Panelist, Uveitis Café, American Academy of Ophthalmology, Las Vegas, NV
- 2013 Invited Speaker, ISOPT, March, Paris, France
- 2013 Invited Speaker, Uveitis Forum Sponsored by the International Ocular Inflammation Society, October, Ho Chi Minh City, Viet Nam
- 2013 Panelist, Uveitis Café, American Academy of Ophthalmology, Las Vegas, NV
- 2014 Invited Speaker, International Ocular Inflammation Society, February, Valencia, Spain
- 2014 Invited Speaker, World Ophthalmology Congress, April, Tokyo, Japan
- 2014 Invited Speaker, ISOPT, June, Reykjavík, Iceland
- 2014 Visiting Professor, Hadassah Medical Center, Jerusalem, Israel, June 2014
- 2014 Invited Speaker, EVER, October, Nice, France
- 2014 Invited Speaker, Uveitis Subspecialty Day, American Academy of Ophthalmology Meeting, October, Chicago, Illinois
- 2014 Invited Speaker, Uveitis Forum Sponsored by the International Ocular Inflammation Society, December, Bangkok, Thailand
- 2014 Invited Speaker, Uveitis Forum sponsored by the Ophthalmological Society of Taiwan, December, Taipei, Taiwan
- 2014 Panelist, Uveitis Café, American Academy of Ophthalmology, Las Vegas, NV
- 2015 Visiting Professor, SUNY Downstate, Brooklyn, New York
- 2015 Invited Speaker, IOIS, San Francisco, California
- 2015 Invited Speaker, IOIS/ICOSG, Yangon, Myanmar
- 2015 Panelist, Uveitis Café, American Academy of Ophthalmology, Las Vegas, NV