

## CURRICULUM VITAE

### *Stephen C. Pflugfelder, M.D.*

#### **PRACTICE INFO**

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Current Academic Rank: Professor

Primary Department: Ophthalmology

Citizenship: U.S.A.

#### **HIGHER EDUCATION**

##### **Institutional**

Colgate University, Hamilton, NY; 1973-77 , B.A., Summa Cum Laude, 5/77

SUNY-Upstate Medical College, Syracuse, NY; 1977-81, M.D. , 5/81

##### **Post-Doctoral Education**

*Internship* - Presbyterian University of Pennsylvania Medical Center, Philadelphia, PA, 1981-1982

*Residency in Ophthalmology* - Department of Ophthalmology, Cullen Eye Institute, Baylor College of Medicine, Houston, TX, 1982-1985

*Fellowship in Cornea and External Disease* - Department of Ophthalmology, Bascom Palmer Eye Institute, University of Miami School of Medicine, Miami, FL, 1985-1986

##### **Board Certification & Licensure**

American Board Ophthalmology Certification, 6/87

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### *Stephen C. Pflugfelder, M.D.*

#### **EXPERIENCE**

##### **Academic**

*Chief Resident and Instructor in Ophthalmology* - Department of Ophthalmology, Cullen Eye Institute, Baylor College of Medicine, Houston, TX, 1984-1985

*Instructor in Ophthalmology* - Bascom Palmer Eye Institute, Department of Ophthalmology, University of Miami School of Medicine, Miami, FL, 1985-1986

*Assistant Professor in Ophthalmology* - Bascom Palmer Eye Institute, Department of Ophthalmology, University of Miami School of Medicine, Miami, FL, 1986-1992

*Associate Professor in Ophthalmology* - Bascom Palmer Eye Institute, Department of Ophthalmology, University of Miami School of Medicine, Miami, FL, 1992 – 1997

*Professor in Ophthalmology* - Bascom Palmer Eye Institute, Department of Ophthalmology, University of Miami School of Medicine, Miami, FL, 1998 – 2000

*Professor of Ophthalmology and James and Margaret Elkins Chair* – Cullen Eye Institute – Department of Ophthalmology, Baylor College of Medicine, Houston, TX, 2000- present

*Member* – Center for Cell and Gene Therapy - Baylor College of Medicine, Houston, Texas, 2005-present.

#### **PUBLICATIONS**

##### **Books, Chapters, and Monographs:**

1. Pflugfelder S.C. Varicella, or Chicken Pox in *The Eye and Systemic Disease* Gold DH, Weingiest T (editors). Philadelphia, Lippincott pp. 275-276,1990.
2. Kattan HM, Pflugfelder SC. Complications of Intraocular Antimicrobials. *Int Ophthalmol Clinics* 1989;29:188-195.
3. Flynn HW, Pflugfelder SC, Culbertson WW, Davis JL. Recognition, Treatment, and Prevention of Endophthalmitis. *Seminars in Ophthalmol.* 1989; 4(2):69-83.

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4. Pflugfelder SC, Flynn HW, Kattan H. Recent Developments in Prevention, Diagnosis, and Treatment of Endophthalmitis. *Ophthalmol Clin N Amer* 1990; 3: 475-485.
5. Atherton SS, Pflugfelder SC, Crouse CA. Epstein-Barr Virus: Basic Considerations with Respect to Ocular Disease in *Infectious Diseases of the Eye*, Bialasiewicz AA and Schaal KP (editors). Buren, Aeolus pp. 544-552,1994.
6. Pflugfelder SC, Flynn HW, Culbertson WW. Diagnosis and Management of Acute Postoperative Endophthalmitis in *Infectious Diseases of the Eye*, Bialasiewicz AA and Schaal KP (editors). Buren, Aeolus pp. 332-341,1994.
7. Pflugfelder SC, Flynn HW. Infectious Endophthalmitis. *Inf Dx Clin N Amer* 1992; 6:859-873.
8. Pflugfelder SC, Crouse CA, Atherton SS. Epstein-Barr Virus Infections. *Int Ophthalmol Clin* 1993; 33:95-101.
9. Flynn HW, Brod RD, Pflugfelder SC, Miller D. Endophthalmitis Management in *Clinical Ophthalmology* Tasman W and Jaeger E (editors), Philadelphia, Harper-Row, 1994, Vol 6, Chapter 64, pp. 1-19.
10. Pflugfelder SC, Crouse CA, Atherton SS. Epstein-Barr virus and the Lacrimal Gland Pathology of Sjogren's Syndrome. *Adv Exp Med Biol* 1994; 350:641-643.
11. Pflugfelder SC. Specific Inflammatory Diseases in *Section 8 Cornea and External Diseases Basic and Clinical Science Course*, American Academy of Ophthalmology, San Francisco, CA, 1995, pp. 86-154
12. Pflugfelder SC, Witcher J, Daniels T. Sjogren's Syndrome in *Ocular Infection and Immunity* Pepose JS, Holland GN, Wilhelmus KR (editors), Mosby, St. Louis, 1996, pp. 1043-1047.
13. Jones DT, Pflugfelder SC. Sjogren's syndrome conjunctival immunopathology. In *Proceedings of the IV International Sjögren's Syndrome Symposium*, Homma M (editor) Kugler, Amstelveen 1994, pp. 235-237.
14. Pflugfelder SC. Lacrimal gland epithelial and immunopathology. In *Proceedings of the IV International Sjögren's Syndrome Symposium*, Homma M (editor) Kugler, Amstelveen 1994, pp. 9-12.
15. Yoshino K, Tseng SCG, Pflugfelder SC. The characterization of human lacrimal gland acinar and ductal epithelia in various culture systems. In *Proceedings of the IV*

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*International Sjögren's Syndrome Symposium*, Homma M (editor) Kugler, Amstelveen 1994, pp. 227-230.

16. Pflugfelder SC. Cornea, External Disease and Anterior Segment Trauma in *LEO (Lifelong Education for the Ophthalmologists) Clinical Topic Updates*, American Academy of Ophthalmology, San Francisco, CA, 1997.

17. Murillo-Lopez F and Pflugfelder SC. Dry Eye in *THE CORNEA*, Krachmer J, Mannis M, Holland E (editors) St Louis, Mosby 1996, pp. 663-686.

18. Pflugfelder SC and Chodosh J. The Epstein-Barr Virus in *Ocular Disease in Biomedical Foundations of Ophthalmology* Duane T and Jaeger T (editors), Philadelphia, Harper-Row 1995, Chapter 91, pp 1-14.

19. Huang AJH and Pflugfelder SC. Nocardia and Actinomyces Keratitis in *Ocular Infection and Immunity*. Pepose JS, Holland GN, Wilhelmus KR (editors), Mosby, St. Louis, 1996, pp. 1043-1047.

20. Pflugfelder SC. Capturing the Essence of Tears-Dry Eye in *13th Biennial Eye Research Seminar*, Research to Prevent Blindness, NY, NY, 1996, pp 32-33

21. Pflugfelder SC. Current Concepts Regarding the ocular Surface Disease of Sjogren's Syndrome. *Sjogren's Digest*, Spring 1996 Edition.

22. Preferred Practice Patterns, *Blepharitis and Dry Eye*, American Academy of Ophthalmology, San Francisco, CA 1998.

23. Preferred Practice Patterns, *Conjunctivitis*, American Academy of Ophthalmology, San Francisco, CA 1998.

24. Microbial Keratitis, *Clinicians Corner, Focal points*, American Academy of Ophthalmology, San Francisco, CA 1998.

25. Pflugfelder SC. Tear film influence on the ocular surface. *Adv Exp Med Biol* 1998; 438:611-618

26. Barton K, Nava A, Monroy D, Pflugfelder SC. Inflammatory cytokines and tear function in ocular surface disease. *Adv Exp Med Biol* 1998; 438:661-670

27. Stern M, Beuerman R, Fox R, Mircheff A, Pflugfelder SC. A unified theory of the role of the ocular surface in dry eye. *Adv Exp Med Biol* 1998; 438:643-651.

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28. Jones DT, Ji A, Monroy D, Pflugfelder SC. Evaluation of ocular surface cytokine, mucin, and cytokeratin expression in Sjögren's Syndrome. *Adv Exp Med Biol* 1998; 438:533-536
29. Scheffer C.G. Tseng, Pflugfelder S.C., Tsubota, K Diagnostic Strategies of Ocular Surface and Tear Disorders in *Bascom Palmer Eye Institute's Atlas of Ophthalmology*, R.K. Parrish,II (editor), Current Medicine, Philadelphia, 2000.
30. Pflugfelder S.C., Tseng, Scheffer C.G. Dry Eye Disorders involving External Adnexae in *Bascom Palmer Eye Institute's Atlas of Ophthalmology*, R.K. Parrish,II (editor), Current Medicine, Philadelphia, 2000.
31. Grimmert, M.R., Pflugfelder, S.C., Culbertson, W.W. Complications of Refractive Surgery in *Bascom Palmer Eye Institute's Atlas of Ophthalmology*, R.K. Parrish,II (editor), Current Medicine, Philadelphia, 2000.
32. Lemp, MA, Donnenfeld ED, Nelson JD, Pflugfelder SC, Schiffman RM, Stern ME, Sullivan DA. New Concepts in the Pathogenesis, Diagnosis and Treatment of Dry Eye. *Ocular Surgery News (Supplement)*, Slack, Thorofare, 1999.
33. Preferred Practice Patterns, *Bacterial Keratitis*, American Academy of Ophthalmology, San Francisco, CA 2000.
34. Preferred Practice Patterns, *Corneal Opacification*, American Academy of Ophthalmology, San Francisco, CA 2000.
35. Pflugfelder SC. Optimizing the Ocular Surface Pre- and Post-LASIK. *Therapeutic Updates*, Slack, Thorofare, 2000.
36. Donnenfeld E, Pflugfelder SC. Cornea, External Disease and Anterior Segment Trauma in LEO Clinical Topic Updates, American Academy of Ophthalmology, San Francisco, 2001.
37. Pflugfelder SC, Solomon A. Dry Eye in Ocular Surface Disease; Medical and Surgical Management, EJ Holland and MJ Mannis (Editors), Springer, Heidelberg, 2001.
39. Preferred Practice Patterns, *Blepharitis and Dry Eye*, American Academy of Ophthalmology, San Francisco, CA 2003.
40. O'Brien TP, Pflugfelder SC. Conjunctiva in **Clinical Eye Atlas**, DH Gold and RA Lewis editors, AMA Press, Chicago, 2002, pp 95-293.

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41. Pflugfelder SC, Stern ME, Beuerman R. Dry Eye : The Problem in ***Dry Eye and the Ocular Surface***, SC Pflugfelder, ME Stern and R Beuerman editors, Marcel Dekker, New York, 2004, pp 1-10.
42. Beuerman R, Stern ME , Mircheff A, Pflugfelder SC. The Lacrimal Functional Unit in ***Dry Eye and the Ocular Surface***, SC Pflugfelder, ME Stern and R Beuerman editors, Marcel Dekker, New York, 2004, pp 11-40.
43. Stern ME , Beuerman R, Pflugfelder SC. The Normal Tear Film and Ocular Surface in ***Dry Eye and the Ocular Surface***, SC Pflugfelder, ME Stern and R Beuerman editors, Marcel Dekker, New York, 2004, pp 41-62.
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45. Yeh S, Pflugfelder SC. Pathological Alterations of the Ocular Surface in Dry Eye in ***Dry Eye and the Ocular Surface***, SC Pflugfelder, ME Stern and R Beuerman editors, Marcel Dekker, New York, 2004, pp 191-204.
46. De Paiva CS, Pflugfelder SC. Diagnostic Approaches to Dry Eye and Lacrimal Keratoconjunctivitis in ***Dry Eye and the Ocular Surface***, SC Pflugfelder, ME Stern and R Beuerman editors, Marcel Dekker, New York, 2004, pp 269-308.
47. Pflugfelder SC, Stern ME. Therapy of Lacrimal Keratoconjunctivitis in ***Dry Eye and the Ocular Surface***, SC Pflugfelder, ME Stern and R Beuerman editors, Marcel Dekker, New York, 2004, pp 309-324.
48. Yang M-C, Yeh S, Pflugfelder SC, Huang AJ. Surgical Therapy for Corneal Epithelial Stem Cell Deficiency in ***Dry Eye and the Ocular Surface***, SC Pflugfelder, ME Stern and R Beuerman editors, Marcel Dekker, New York, 2004, pp 369-390.
49. Djalilian A, Hamrah P, Pflugfelder SC. Dry Eye in ***CORNEA (2<sup>nd</sup> Edition)***, Krachmer J, Mannis M, Holland E (editors) St Louis, Mosby 2004, pp 948-956
50. Pflugfelder SC. Dry Eye, Focal Points, American Academy of Ophthalmology, San Francisco, CA 2006.
51. Pflugfelder SC, De Paiva CS, Li DQ. Clinical Applications of Anti-inflammatory and Anti-protease effects of Tetracyclines in Ocular Surface Disease. Stephen C. Pflugfelder, Cintia S. De Paiva, De-Quan Li. In Clinical Applications of Antibiotics and Anti-

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52. Li D-Q, Pflugfelder SC, Huang AJW. Ocular surface epithelial stem cells. In Stem Cells and Regenerative Medicine, Walter C. Low and Catherine M. Verfaillie editors. World Scientific, Singapore, 2008, pp 111-144.

53. Pflugfelder, SC. Question 11. Curbside Consultation, Francis Price, editor. SLACK, New York, 2010, pp 47-50.

#### **Juried or refereed journal articles and exhibitions:**

##### **A. Refereed Articles**

1. Pflugfelder SC, Roussel TJ: Endothelial dysfunction associated with epidemic keratoconjunctivitis. *Cornea* 1986;5:63.
2. Pflugfelder SC, Wilhelmus KR, Osato MS, Matoba AY, Font RL: The autoimmune nature of aqueous tear deficiency. *Ophthalmology* 1986; 93:1513-1517.
3. Pflugfelder SC, Hernandez E, Alvarez J, Pflugfelder ME, Fliesler SJ, Forster RK: Intravitreal vancomycin retinal toxicity, clearance and interaction with gentamicin. *Arch Ophthalmol.* 1987;105:831-837.
4. Pflugfelder SC, Suelflow J, Pflugfelder ME, Parke DW: Serum and vitreous herpes simplex antibodies in non-infected eyes. *Annals Ophthalmol* 1988; 20:355-357.
5. Pflugfelder SC, Flynn HW, Zwickey TA, Forster RK, Tsiligianni A, Culbertson WW, Mandelbaum S: Exogenous fungal endophthalmitis. *Ophthalmology* 1988; 95:19-30.
6. Heidemann DG, Pflugfelder SC, Kronish J, Alfonso EC, Dunn SP, Ullman S: Necrotizing keratitis caused by *Capsocytophaga ochracea*. *Am J Ophthalmol* 1988; 105: 655-660.
7. Davis JL, Koidou-Tsiligianni A, Pflugfelder SC, Miller D, Flynn HW, Forster RK: Coagulase-negative *Staphylococcus* endophthalmitis: Increase in antimicrobial resistance. *Ophthalmology* 1988;95:1404-1410.
8. Pflugfelder SC, Parel JM, Denham D, Mandelbaum S: A suction trephine block for marking donor corneal buttons. *Arch Ophthalmol* 1988; 106:276-281.

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9. Buus D, Pflugfelder SC, Schachter J, Miller D, Forster RK: Lymphogranuloma venereum conjunctivitis with a marginal corneal perforation. *Ophthalmology* 1988; 95:799-802.
10. Zambrano W, Flynn HW, Pflugfelder SC, et al. Management of chronic endophthalmitis caused by *Propionibacterium acnes*. *Ophthalmology* 1989; 96:1100-1105.
11. Thompson KP, Barraquer E, Parel JM, Loertscher H, Pflugfelder SC, Roussel T, Holland S, Hanna K. Potential use of excimer lasers for penetrating keratoplasty. *J Cataract Refract. Surg.* 1989; 15:397-403.
12. Denham D, Mandelbaum S, Parel JM, Holland S, Pflugfelder SC. Shadow photogrammetric apparatus for the quantitative evaluation of corneal buttons. *Ophthalm Surg* 1989; 20:794-799.
13. Pflugfelder SC, Tseng SCG, Pepose, JS, Fletcher MA, Klimas NG, Feuer W. Chronic Epstein-Barr viral infection and immunologic dysfunction in patients with aqueous tear deficiency. *Ophthalmology* 1990; 97:313-323.
14. Rosenfeld SI, Mandelbaum S, Corrent GF, Pflugfelder SC, Culbertson WW. Granular epithelial keratopathy as an unusual manifestation of pseudomonas keratitis associated with extended-wear soft contact lenses. *Am J Ophthalmol* 1990; 109:17-22.
15. Brod RD, Flynn HW, Clarkson JG, Pflugfelder SC, Culbertson WW, Miller D. Endogenous candida endophthalmitis: Management without intravenous amphotericin B. *Ophthalmology* 1990;97:666-671.
16. Crouse CA, Pflugfelder SC, Cleary T, Demick SM, Atherton SA. Detection of Epstein-Barr viral genomes in normal human lacrimal glands. *J Clin Microbiol* 1990; 28:1026-1032.
17. Rosenwasser GOD, Holland S, Pflugfelder SC, Lugo M, Heidemann DG, Culbertson WW, Kattan H. Topical anesthetic abuse. *Ophthalmology* 1990; 97: 967-972.
18. Crouse CA, Pflugfelder SC, Pereira I, Cleary T, Rabinowitz S, Atherton SS. Detection of herpes viral genomes in normal and diseased corneal epithelium. *Current Eye Res* 1990; 9:569-581.
19. Pflugfelder SC, Crouse C, Pereira I, Atherton S. Amplification of Epstein-Barr virus genomic sequences in blood cells, lacrimal glands, and tears from primary Sjogren's Syndrome patients. *Ophthalmology* 1990; 97: 976-984.



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20. Pflugfelder SC, Huang AJW, Schuclovski PT, Pereira IC, Tseng SCG. Conjunctival cytological features of primary Sjogren's Syndrome. *Ophthalmology* 1990; 97: 985-991.
21. Duffner L, Pflugfelder SC, Mandelbaum SH, Childress LL. Potential Bacterial Contamination in fluorescein - anesthetic solutions. *Am J. Ophthalmol* 1990; 110:199-202.
22. Pepose JS, Akata RF, Pflugfelder SC, et al. Mononuclear cell phenotypes and immunoglobulin gene rearrangements in lacrimal gland biopsies from Sjogren's Syndrome. *Ophthalmology* 1990; 97:1599-1605.
23. Feist RM, Lim JJ, Joondeph BC, Pflugfelder SC, Mieler WF, Ticho R, Resnick K. Penetrating ocular injury from contaminated eating utensils. *Arch Ophthalmol* 1991; 109: 63-66.
24. Kattan HM, Flynn HW, Pflugfelder SC, Robertson C, Forster RK. Nosocomial endophthalmitis survey: current incidence of infection following intraocular surgery. *Ophthalmology* 1991; 98: 227-238.
25. Fox G, Crouse CA, Chuang E, Pflugfelder SC, et al. Detection of herpes virus DNA in vitreous and aqueous by polymerase chain reaction. *Arch Ophthal* 1991; 109:266-271.
26. Fox G, Joondeph BC, Flynn HW, Pflugfelder SC, Roussel TJ. Delayed-onset pseudophakic endophthalmitis *Am J Ophthalmol* 1991; 111:163-173.
27. Nanda HM, Pflugfelder SC, Holland S. Fulminant pseudomonal keratitis in HIV-infected patients. *Arch Ophthalmol* 1991;109: 503-505.
28. Levine J, Pflugfelder SC, Yen M, Crouse CA, Atherton SS. Detection of the complement (CD 21)/Epstein-Barr virus Receptor in human lacrimal gland and ocular surface epithelia. *Regional Immunology* 1991; 3:164-170.
29. Kervick GN, Pflugfelder SC, Haimovici R, Brown H, Tozman E, Yee R. Paracentral rheumatoid corneal ulceration clinical features and cyclosporin A therapy. *Ophthalmology* 1992;99:80-88.
30. Mao LK, Flynn HW, MillerD, Pflugfelder SC. Endophthalmitis caused by streptococcal species. *Arch Ophthalmol* 1992; 110:798-801.
31. Pflugfelder SC, Roussel TJ, Denham D, Feuer W, Mandelbaum S, Parel JM. Photogrammetric analysis of corneal trephination. *Arch Ophthalmol* 1992; 110:1160-1166.

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32. Yen M, Pflugfelder SC, Crouse CA, Atherton SS. Immunohistochemical evaluation of cytoskeletal antigen expression in human ocular mucosal associated lymphoid tissue. *Invest Ophthalmol Vis Sci.* 1992; 33:3235-3241.
33. Simon MW, Miller D, Pflugfelder SC, Murchison FJ, Huang AJW, Atherton SS. Comparison of immunocytology to tissue culture for diagnosis of presumed herpesvirus dendritic epithelial keratitis. *Ophthalmology* 1992; 99:1408-1413.
34. Irvine WD, Flynn HW, Miller D, Pflugfelder SC. Endophthalmitis caused by gram negative organisms. *Arch Ophthalmol* 1992; 110:798-801.
35. Winward KW, Pflugfelder SC, Flynn HW, Davis JL. Postoperative propionibacterium endophthalmitis. Treatment strategies and long-term results. *Ophthalmology* 1993; 100:447-451.
36. Rubsamen PE, McLeish WM, Pflugfelder SC, Miller DA. Capnocytophaga endophthalmitis. *Ophthalmology* 1993; 100:456-459.
37. Culbertson WW, Huang A, Mandelbaum S, Pflugfelder SC, Boozalis GT, Miller D. Effective treatment of phylectenular keratoconjunctivitis with oral tetracycline. *Ophthalmology* 1993; 100:1358-1366.
38. Mao LK, Flynn HW, Miller D, Pflugfelder SC. Endophthalmitis caused by *Staphylococcus aureus*. *Am J Ophthalmol* 1993; 116:584-589.
39. Pflugfelder SC, Crouse CA, Monroy D, Yen M, Rowe M, Atherton S. Epstein-Barr virus and the lacrimal gland pathology of Sjogren's syndrome. *Am J Pathol* 1993; 143:49-64.
40. Jones DT, Yen M, Monroy D, Ji X, Atherton SS, Pflugfelder SC. Evaluation of cytokine expression in the conjunctival epithelia of Sjogren's syndrome patients. *Invest Ophthalmol Vis Sci* 1994; 35:3493-3504.
41. Chodosh JC, Miller D, Stroop WG, Pflugfelder SC. Adenovirus epithelial keratitis. *Cornea* 1995; 14:167-174.
42. Tu EY, Pflugfelder SC, Culbertson WW, Chodosh JC, Huang A. Therapy of non-necrotizing anterior scleritis with subconjunctival corticosteroid injection. *Ophthalmology* 1995;
43. Davis JL, Feuer W, Culbertson WW, Pflugfelder SC. Interpretation of intraocular and serum antibody levels in infectious retinitis. *Retina* 1995; 15:233-240.

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44. Karp CL, Scott IU, Chang TS, Pflugfelder SC. Conjunctival intraepithelial neoplasia. A possible marker for human immunodeficiency virus infection? *Arch Ophthalmol* 1996; 114:257-261.
45. Yoshino K, Tseng SCG, Pflugfelder SC. Substrate modulation of morphology, growth, and tear protein production by cultured human lacrimal gland epithelial cells. *Exp Cell Res* 1995; 220: 138-151.
46. Heigle TJ, Pflugfelder SC. Aqueous tear production in patients with neurotrophic keratitis. *Cornea* 1996; 15:135-138.
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48. Gupta A, Monroy D, Ji Z, Yoshino K, Huang A, Pflugfelder SC. Transforming growth factor beta-1 and beta-2 in human tear fluid. *Curr Eye Res* 1996; 15:605-614.
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51. Hoft RH, Pflugfelder SC, Ullman S, Forster RK, Polack FM, Schiff ER. Clinical evidence for hepatitis B transmission resulting from corneal transplantation *Cornea* 1997; 12:132-137.
52. Yoshino K, Monroy D, Pflugfelder SC Cholinergic stimulation of lactoferrin and EGF secretion by the human lacrimal gland. *Cornea* 1996; 15:617-621.
53. Scott IU, Flynn HW, Feuer W, Pflugfelder SC, Alfonso E, Forster RK, Miller D. Endophthalmitis associated with microbial keratitis. *Ophthalmology* 1996; 103:1864-1870.
54. Pflugfelder SC, Tseng SCG, Yoshino K, Monroy D, Felix C, Reis B. Correlation of goblet cell density and mucosal epithelial mucin expression with rose bengal staining in patients with ocular irritation. *Ophthalmology* 1997; 104:223-235.
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57. Jones DT, Monroy D, Pflugfelder SC. A novel method of tear collection: comparison of glass capillary micropipettes with porous polyester rods. *Cornea* 1997; 16:450-458.
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62. Ford JG, Huang AJW, Pflugfelder SC, Alfonso EC, Forster RK, Miller D. Nontuberculous mycobacterial keratitis in south Florida. *Ophthalmology* 1998; 105:1652-1658.
63. Pflugfelder SC. Advances in the diagnosis and management of keratoconjunctivitis sicca. *Curr Opin Ophthalmol* 1998; 9:50-53.
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65. Afonso A, Monroy D, Tseng SCG, Stern M, Pflugfelder SC. Diagnostic sensitivity and specificity of Schirmer test and fluorescein clearance test for ocular irritation. *Ophthalmology* 1999; 106:803-810.
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93. Li DQ, Song X, Chen Z, de Paiva CS, Kim H, Pflugfelder SC. Partial Isolation of Corneal Epithelial Stem Cells by Adhesion to Collagen IV. *Invest. Ophthalmol. Vis. Sci.* 2003 44: E-Abstract 1348.
94. Kim H, Li DQ, Song X, de Paiva CS, Pflugfelder SC. Ex vivo Expansion and Phenotypes of Human Limbal Epithelial Cells. *Invest. Ophthalmol. Vis. Sci.* 2003 44: E-Abstract 1349.
95. Pflugfelder SC, Kim H, Li DQ. Doxycycline Inhibits TGF- $\beta$ 1 Stimulated MMP-9 in Human Corneal Epithelial Cells via Smad and MAPK Pathways. *Invest. Ophthalmol. Vis. Sci.* 2003 44: E-Abstract 1404.
96. de Paiva CS, Li DQ, Kim H, Pflugfelder SC. ABCG2 Transporter, a Potential Molecular Marker to Identify Human Corneal Epithelial Stem Cells. *Invest. Ophthalmol. Vis. Sci.* 2003 44: E-Abstract 2032.
97. Fredrickson BJ, Chevez-Barrios P, Matoba AY, Pflugfelder SC, Font RL. Conjunctival Nodules Associated with Rheumatoid Arthritis ("Rheumatoid Nodulosis"): A Clinicopathologic Study of Two Cases. *Invest. Ophthalmol. Vis. Sci.* 2003 44: E-Abstract 2447.
98. Strong B, Farley W, Stern ME, Pflugfelder SC. Topical Cyclosporin Inhibits Conjunctival Epithelial Apoptosis in Experimental Murine Keratoconjunctivitis Sicca. *Invest. Ophthalmol. Vis. Sci.* 2003 44: E-Abstract 2514.
99. Stern ME, Siemasko KF, Gao J, Niederkorn JY, Calonge M, Pflugfelder SC. Effects of IFN $\gamma$  and Cyclosporin A (CsA) on Tear Production in a Mouse Model of Keratoconjunctivitis Sicca (KCS). *Invest. Ophthalmol. Vis. Sci.* 2003 44: E-Abstract 2531.

## *CURRICULUM VITAE*

### ***Stephen C. Pflugfelder, M.D.***

100. Basti S, Pennesi M, Leitges M, Luo L, Chen Z, Farley W, Pflugfelder SC. Altered Lacrimal Response in Protein-kinase C deficient mice. Invest. Ophthalmol. Vis. Sci. 2004; 45: E-abstract 75.

101. Yen MT, Luo L, Li DQ, Pflugfelder SC. Phenotypic Characterization of Cultured Human Conjunctival Epithelial Cells Expanded Ex Vivo on Amniotic Membrane. Invest. Ophthalmol. Vis. Sci. 2004; 45: E-abstract 1485.

102. Racine L, Chu Y, Farley W, Jumblatt M, Pflugfelder SC. Immunocytologic detection of MUC5AC in ocular surface diseases. Invest. Ophthalmol. Vis. Sci. 2004; 45: E-abstract 1492.

103. Stern ME, Siemasko KF, Gao J, Duong A, Calder VL, Pflugfelder SC, Colonge M, Niederkorn JY. The Role of IFN- $\gamma$  in the Pathophysiology of T<sub>H</sub>2 Inflammation in the Mouse Model of Allergic Conjunctivitis. Invest. Ophthalmol. Vis. Sci. 2004; 45: E-abstract 1502.

104. de Paiva CS, Pflugfelder SC, Li DQ. Cell Size Correlates with Expression of Stem Cell Associated markers and Differentiation Markers by Human Corneal Epithelial Cells. Invest. Ophthalmol. Vis. Sci. 2004; 45: E-abstract 1435.

105. Sharpe LC, Olmos LC, Pflugfelder SC, Li DQ. Gap junction protein connexin 43 serves as a novel negative marker for stem cell-containing population of human corneal epithelial cells. Invest. Ophthalmol. Vis. Sci. 2004; 45: E-abstract 1441.

106. Welch C, Pachigolla G, Farley W, Luo L, Stern ME, Pflugfelder SC. Gap junction protein connexin 43 serves as a novel negative marker for stem cell-containing population of human corneal epithelial cells. Invest. Ophthalmol. Vis. Sci. 2004; 45: E-abstract 1448.

107. Ji JZ, Qiao X, Lee D, Pflugfelder SC, Wu SM, Gross RL. Neuroprotection of retinal ganglion cells in BDNF over-expression mice with induced elevated intraocular pressure. Invest. Ophthalmol. Vis. Sci. 2004; 45: E-abstract 3175.

108. Li DQ, Sharpe LCZ, de Paiva CS, Luo L, Pflugfelder SC. Characterization of Putative Stem Cell Phenotype in Human Limbal Epithelia. Invest. Ophthalmol. Vis. Sci. 2004; 45: E-abstract 3392.

109. Fish SK, Pflugfelder SC, de Paiva CS. The Effect of Tear Film Composition on Refraction. Invest. Ophthalmol. Vis. Sci. 2004; 45: E-abstract 3887.

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

110. Corrales RM, Luo L, Olmos LC, Li DQ, Pflugfelder SC. Induction of Gelatinase, Collagenases, Stromelysins and Matrilysin by the Corneal Epithelium in Experimental Murine Dry Eye. *Invest. Ophthalmol. Vis. Sci.* 2004; 45: E-abstract 3785.
111. Pachigolla G, Welch JC, Farley W, Luo L, Chen Z, Stern ME, Pflugfelder SC. The Effects of Experimental Dry Eye on Corneal Epithelial Tight Junctions in Two Strains of Mice. *Invest. Ophthalmol. Vis. Sci.* 2004; 45: E-abstract 3803.
112. Luo L, Li DQ, Pflugfelder SC. Hyperosmolarity induces apoptosis through a cytochrome c-mediated death pathway and MAPK activation in human corneal epithelial cells. *Invest. Ophthalmol. Vis. Sci.* 2004; 45: E-abstract 3758.
113. Farley W, Luo L, Chen Z, Stern ME, Pflugfelder SC. Effects of Commercial 4<sup>th</sup> Generation Fluoroquinolones on Corneal Epithelial Barrier Function in Experimental Murine Dry Eye. *Invest. Ophthalmol. Vis. Sci.* 2004; 45: E-abstract 4904.
114. Pflugfelder SC, de Paiva CS, Villarreal A, Stern ME. Effects of Sequential Artificial Tear and Cyclosporin Emulsion Therapy on Conjunctival Goblet Cell Density. *Invest. Ophthalmol. Vis. Sci.* 2005; 46: E-abstract 243.
115. Li DQ, Chen Z, Wang X, Pflugfelder SC. Identification of Human Fibroblast Cell Lines as a Feeder Layer Alternative to Mouse 3T3 Fibroblasts in Supporting Human Corneal Epithelial Growth. *Invest. Ophthalmol. Vis. Sci.* 2005; 46: E-abstract 2712.
116. Stern ME, Pflugfelder SC, Siemasko KF, Gao J, Corrales RM, de Paiva CS, Niederkorn JY. Desiccating Stress to the Ocular Surface Induces a Transferable T-Cell Mediated Lacrimal Keratoconjunctivitis. *Invest. Ophthalmol. Vis. Sci.* 2005; 46: E-abstract 3530.
117. Gao J, Siemasko KF, Vu C, Niederkorn JY, Pflugfelder SC, Calonge M, Calder VL, Stern ME. The Effect of Corneas from Dry Eye Mice on Peripheral Lymphocyte Proliferation. *Invest. Ophthalmol. Vis. Sci.* 2005; 46: E-abstract 4363.
118. Tong LM, Chen Z, Corrales RM, Wang X, de Paiva CS, Li DQ, Pflugfelder SC. Transglutaminase-2 Mediates p65 Translocation from Cytoplasm to Nucleus in the UVB-Activated NF-kB Pathway. *Invest. Ophthalmol. Vis. Sci.* 2005; 46: E-abstract 4367.
119. de Paiva CS, Villarreal AL, Corrales RM, Rahman HT, Chang VY, Farley W, Stern ME, Niederkorn JY, Li DQ, Pflugfelder SC. IFN- $\gamma$  Promotes Goblet Cell Loss in Response to Desiccating Ocular Stress. *Invest. Ophthalmol. Vis. Sci.* 2005; 46: E-abstract 5579.

## *CURRICULUM VITAE*

### ***Stephen C. Pflugfelder, M.D.***

120. Corrales RM, de Paiva CS, Villarreal AL, Pflugfelder SC. The Effect of Desiccating Stress on Corneal Epithelial Barrier Function. Invest. Ophthalmol. Vis. Sci. 2005; 46: E-abstract 5582.

#### **B. Audiovisual/Internet**

1. Pflugfelder SC. Diagnosis and management of ocular irritation. AudioDigest 1991; 29: no 2.
2. Pflugfelder SC. Tear Film and Dry Eye. YourDoctor.com (website in preparation)
3. Pflugfelder SC. Extended wear contact lenses: back to the future. Audio Digest 2004; 42(11).
4. Pflugfelder SC. New directions in dry eye disease. Audio Digest 2004; 42(11).
5. Pflugfelder SC. Update on corneal epithelial stem-cell transplantation. Audio Digest 2004; 42(11).
6. Pflugfelder SC. Infections and inflammation after LASIK. Audio Digest 2004; 42(11).

#### **Other works submitted or accepted for publication:**

#### **PROFESSIONAL CREDENTIALS**

##### **Funded Research Performed:**

1. Principal Investigator. National Institute of Health BRSG \$16,700, Grant Title: Relationship of Epstein Barr Virus to Autoimmune Aqueous Tear Deficiency, 1987-88.
2. Principal Investigator. National Eye Institute, R03 EY08193-01 (NIH) \$34,728, Grant Title: Detection of Epstein-Barr Viral DNA in Ocular Specimens, 1989-90.
3. Principal Investigator. Fight for Sight Grant-in-Aid. Grant Title: Evaluation of the Pathogenesis of Lacrimal Gland Lymphocytic Destruction in Primary Sjogren's Syndrome Patients, 1989-90 (\$6,600).
4. Co-investigator. Eye Bank Association of America, \$1,830, Grant Title: Antibiotic Corneal Endothelial Toxicity in M-K Preservation Media, 1990-1991.

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

5. Principal Investigator. National Eye Institute, R01 EY08711-01, Grant Title: Epstein-Barr virus and Ocular Pathology in Sjogren's Syndrome, 1990-93, (\$314,033).
6. Principal Investigator. Sandoz Pharmaceuticals. Clinical Trial: Randomized Double-Masked Clinical Trial to Assess the Safety and Efficacy of Sandimmune® 1% Ophthalmic Ointment vs Placebo in Patients with Keratoconjunctivitis Sicca with Sjogren's Syndrome, 4/91-9/91 (\$40,000)
7. Principal Investigator. Prospective evaluation of diagnostic tests for conditions causing ocular irritation. Allergan Pharmaceuticals, 3/93-7/94 (\$25,000)
8. Principal Investigator. Alcon Labs. Clinical trial: A clinical evaluation of the efficacy of Bion tears and Refresh Plus in moderate to severe dry eye patients, 4/94-1/95 (\$12,000)
9. Principal Investigator. Fight for Sight Grant-in-Aid. Grant Title: Cytokine concentrations in the tears of patients with ocular surface disease. 7/1/95-7/1/96, (\$10,500)
10. Principal Investigator. Curetek Pharmaceuticals. Clinical Trial: A placebo-controlled, parallel, randomized, double-masked pilot trial of the safety and efficacy of 0.1 and 0.5% metronidazole sterile ophthalmic solution in the treatment of ocular rosacea, 12/96-12/97, (\$35,000)
11. Principal Investigator. Storz Ophthalmic Pharmaceuticals. Clinical Trial: A randomized, double-masked, placebo-controlled parallel evaluation of the safety and efficacy of Cidofovir topical ophthalmic solution in the treatment of viral epidemic keratoconjunctivitis, 2/97-12/97, (\$15,000)
12. Principal Investigator. Allergan Inc. Clinical Trial: A multicenter, double-masked, , randomized, vehicle-controlled, parallel group study of the safety and efficacy of cyclosporin 0.05 and 0.1% ophthalmic emulsions taken twice daily for up to one year in patients with moderate to severe keratoconjunctivitis sicca, 7/97-9/98, (\$50,000)
13. Principal Investigator. National Eye Institute, RO1 EY11915-01 Grant Title: Pathogenesis of conjunctival squamous metaplasia. 8/1/97 - 8/1/2001, (\$750,648).
14. Principal Investigator. Fight for Sight, Grant Title: Mechanism of corneal epithelial erosion susceptibility, 7/1/97 – 6/30/98, (\$11,000).

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

15. Postdoctoral Fellowship Sponsor. Fight for Sight, Grant Title: Evaluation and expression of functional activity of retinoic acid receptors in dry eye disease. 6/1/97 – 5/31/98 (\$14,000)
16. Postdoctoral Fellowship Sponsor. Fight for Sight, Grant Title: Evaluation of epidermal growth factor expression and activation in ocular surface epithelium. 6/1/98-5/31/99 (\$14,000)
17. Co-Principal Investigator. National Eye Institute, RO1 EY12343 Grant Title: Ocular surface protection by sialomucin complex.. 12/1/98 - 12/1/2002 (\$982,904).
18. Principal Investigator. Lions Eye Bank of Texas. Grant Title: Isolation and substrate modulation of human corneal epithelial stem cells. 7/1/2001 – 7/1/2002 (\$55,000).
19. Principal Investigator. Research to Prevent Blindness Senior Investigator Award. 7/1/2001 – 7/1/2002 \$58,000).
20. Principal Investigator. Allergan Inc. Clinical Trial: A multicenter, double-masked, randomized, vehicle-controlled confirmatory study of the efficacy of cyclosporin 0.05% ophthalmic emulsion for treatment of moderate-to-severe keratoconjunctivitis sicca. 8/2001 – present (\$35,000).
21. Principal Investigator. Bausch & Lomb, Inc. Clinical Trial: Prospective randomized, placebo-controlled trial of Loteprednol Etabonate for therapy of keratoconjunctivitis sicca associated with delayed tear clearance. 12/2001 – 9/2002 (\$25,000).
22. Principal Investigator, Alcon, Inc. Clinical Trial: Prospective randomized, placebo-controlled trial of low dose rimexalone for treatment of keratoconjunctivitis sicca. 10/2002 – 7/2003 (\$ 20,000).
23. Principal Investigator. National Eye Institute, RO1EY11915 – Renewal Grant. Grant Title: Pathogenesis of conjunctival squamous metaplasia. 3/02 – 3/06 (\$875,000).
24. Co-Investigator. National Eye Institute, RO3 EY14553-01 – Isolation of corneal epithelial stem cells for tissue engineering and gene therapy. 4/03-4/06 (\$300,000).
25. Resident Sponsor, Milton Boniuk Resident Research Award Lions Eye Bank Foundation –Ocular features of a mouse model of autoimmune polyendocrinopathy-candidiasis-ectodermal dystrophy (APECED) 12/05 - 06/06 (\$4,000).
26. Principal Investigator. National Eye Institute, RO1EY11915 – Renewal Grant. Grant Title: Pathogenesis of conjunctival squamous metaplasia. 4/07 – 4/12 (\$1,250,000).



## CURRICULUM VITAE

### *Stephen C. Pflugfelder, M.D.*

27. Co-Principal Investigator, National Eye Institute, RO1EY018090 – Environmentally-induced ocular surface inflammation mimicking Sjogren’s Syndrome. (\$500,000), 8/09-8/11.
28. Collaborator, National Eye Institute, R44EY016902. Grant Title: Development of Murine Corneal Fluorometer. 10/06 – 10/10 (\$122,000).
29. Principal Investigator, Allergan. Title of the Project: Investigation of ocular surface immnoregulation. 01/06 – 01/07 (\$100,000).
30. Principal Investigator, Allergan. Title of the Project: Investigation of ocular surface immnoregulation. 01/07 – 01/08 (\$100,000).
31. Principal Investigator, Allergan. Title of the Project: Investigation of ocular surface immnoregulation. 01/08 – 01/09 (\$100,000).
32. Principal Investigator, Allergan. Title of the Project: Investigation of ocular surface immnoregulation. 01/09 – 01/10 (\$100,000).
33. Principal Investigator, Allergan. Title of the Project: Investigation of ocular surface immnoregulation. 01/10 – 01/11 (\$100,000).
34. Principal Investigator, Allergan. Title of the Project: Investigation of ocular surface immnoregulation. 01/11 – 01/12 (\$100,000).
35. Principal Investigator, Glaxo Smith Kline. Title of Project: Preclinical testing of therapeutic compounds for dry eye. 07/09-07/12 (\$550,000)

#### **Editorial Responsibilities**

Coauthor and editor of *Cornea and External Disease*, Book 8 in American Academy of Ophthalmology Basic and Clinical Science Course Series, 1991-96.

Editorial Board of *Cornea*, 1998-present.

Editorial Board of *Ocular and Cutaneous Toxicology*. 2000-2008.

Executive Editor of *American Journal of Ophthalmology*, 2002 – present

## *CURRICULUM VITAE*

### ***Stephen C. Pflugfelder, M.D.***

Editorial Board of *Eye and Contact Lens*, 2002-present

Editorial Board of *Ocular Surface*, 2002-present

Editorial Board of *Review of Refractive Surgery*, 2000-2006.

Guest Editor, *Investigative Ophthalmology and Visual Science*, 1999-2002.

Editorial Board of *Investigative Ophthalmology and Visual Science*, 2007-present

#### **Professional and Honorary Organizations**

Diplomate of the National Board of Medical Examiners

Fellow of the American Academy of Ophthalmology

Association for Research in Vision and Ophthalmology

Tear Film and Ocular Surface Society

Texas Ophthalmological Association

Houston Ophthalmologic Association

Harris County Medical Society

Ocular Microbiology and Immunology Group

Medical Board of National Sjögren's Syndrome Foundation

Texas Medical Association

#### **Honors and Awards:**

1977 Phi Beta Kappa

1980 Alpha Omega Alpha

1981 UpJohn Award for Academic Performance and Contribution to Student Activities.

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

- 1984 Goar Award for Resident Research, Baylor Ophthalmology Alumni Association.
- 1985 Goar Award for Resident Research, Baylor Ophthalmology Alumni Association.
- 1985 Merck Sharp Dohme ARVO Travel Fellowship Recipient.
- 1989 Best Clinical Paper, 26th Annual Baylor Ophthalmology Alumni Association Meeting.
- 1990-Appointment to faculty for American Academy of Ophthalmology Basic  
1995 and Clinical Science Course Section 8, External Disease and Cornea
- 1991 American Academy of Ophthalmology Honor Award
- 1993 Named as one of the Best Doctors in America, Second Edition, The Best Doctors in America, Woodward/White, Inc.
- 1995 Named as one of the Best Doctors in Southeastern America, The Best Doctors in America: Southeastern Region, Woodward/White, Inc.
- 1996 Best Paper, Nantucket Cornea Society
- 2000 American Academy of Ophthalmology Senior Achievement Award
- 2001 James and Margaret Elkins Chair, Department of Ophthalmology, Baylor College of Medicine
- 2002 Research to Prevent Blindness Senior Investigator Award
- 2003 Named in "America's Top Physicians". Consumers' Research Council of America
- 2004 Named as one of the Best Doctors in Southeastern America, The Best Doctors in America: Southeastern Region, Woodward/White, Inc.
- 2005 Elected to Fayetteville-Manlius High School Hall of Distinction  
  
Named in "America's Top Ophthalmologist". Consumers' Research Council of America

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

- Selected as “Texas Super Doctor” by Texas Monthly Magazine
- 2006 Named in “America’s Top Ophthalmologists”. Consumers’ Research Council of America
- Selected as “Texas Super Doctor” by Texas Monthly Magazine
- 2007 Named as one of the Best Doctors in America, Woodward/White, Inc.
- Selected as “Texas Super Doctor” by Texas Monthly Magazine
- 2008 Selected as “Texas Super Doctor” by Texas Monthly Magazine
- 2009 Named as one of the Best Doctors in America, Woodward/White, Inc.
- Selected as “Texas Super Doctor” by Texas Monthly Magazine
- 2009 Qualified and Listed at [Trusted LASIK Surgoens](#), an online directory of LASIK and Cataract Surgeons, that screens surgeons based on experience, professional credentials and patient care standards.
- 2010 Qualified and Listed at [Trusted LASIK Surgoens](#).
- 2011 Qualified and Listed at [Trusted LASIK Surgoens](#).

#### **Post-Doctoral Courses:**

Clinical Vision Research: Epidemiologic and Biostatistical Approaches sponsored by the National Eye Institute, Longboat Key, Florida, May 1987.

Recombinant DNA Techniques Workshop, Boston College, Boston, MA, July 26-30, 1988.

University of Minnesota Department of Ophthalmology, Phacoemulsification Course, Minneapolis, MN, August 7, 1989.

Chiron Ophthalmics Keratorefractive surgery course, Ft. Lauderdale, FL, January 11, 1992.

## *CURRICULUM VITAE*

### ***Stephen C. Pflugfelder, M.D.***

Summit Photorefractive Keratectomy Course, Ft. Lauderdale, FL, March 2, 1996.

VISX Train the Trainer Course, Mountainview, CA, March 24, 1996.

Bausch and Lomb Surgical C-LASIK Course, Miami, FL, July 2000.

#### **Other Professional Activities (papers presented, invited lectures, visiting professorships, seminar or conference panel member, instructional courses)**

##### **A. Scientific presentations at national and international meetings**

1. The Association for Research in Vision and Ophthalmology, Sarasota, FL, May 1985.  
Paper Title: Sjogren's Syndrome Antibodies in the Diagnosis of Autoimmune Keratoconjunctivitis-Sicca.
2. The Association for Research in Vision and Ophthalmology, Sarasota, FL, May 1985.  
Poster Title: Survey of HSV Antibodies in the Human Vitreous.
3. The Association for Research in Vision and Ophthalmology, Sarasota, FL, May 1986.  
Paper Title: Intravitreal Vancomycin: Retinal Toxicity, Clearance, and Interaction with Gentamicin.
4. The American Academy of Ophthalmology, New Orleans, LA, November 1986. Paper Title: Exogenous Fungal Endophthalmitis.
5. The Ocular Microbiology and Immunology Group, New Orleans, LA, November 1986.  
Paper Title: Lymphogranuloma Venereum Conjunctivitis with a Marginal Corneal Perforation.
6. The Association for Research in Vision and Ophthalmology, Sarasota, FL, May, 1987.  
Poster Title: Evaluation of Corneal Trephination with Two New Photographic Systems.
7. Fifteenth Corneal Research Conference, Eye Research Institute and Massachusetts Eye and Ear Infirmary, Boston, MA., September 1987. Paper Title: Photometric Evaluation of Corneal Trephination.
8. Ocular Microbiology and Immunology Group Meeting, Dallas, TX, November, 1987.  
Paper Title: Necrotizing Keratitis Due to Capnocytophaga Species.

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

9. The Association for Research in Vision and Ophthalmology, Sarasota, FL, May, 1988. Paper Title: Chronic Epstein-Barr Virus Infection and Defective Immunoregulation in Patients with Aqueous Tear Deficiency.
10. The Association for Research in Vision and Ophthalmology, Sarasota, FL, May, 1989. Poster Title: Cytologic Features of Immune Mediated Aqueous Tear Deficiency and Blepharitis.
11. Uveitis Society Meeting, Sarasota, FL, May 1989. Paper Title: Diagnosis of Ocular Herpes Viral Infections by Polymerase Chain Reaction.
12. The Ocular Microbiology and Immunology Group, New Orleans, LA, October 1989. Paper Title: Epstein Barr Virus and Sjogren's Syndrome.
13. The Association for Research in Vision and Ophthalmology, Sarasota, FL, May 1990. Paper Title: Epstein Barr Virus and Sjogren's Syndrome.
14. IVth International Sjogren Syndrome Symposium, Tokyo, Japan, August 1993. Paper and Poster Title: Conjunctival immunopathology of Sjogren syndrome
15. The Association for Research in Vision and Ophthalmology, Ft Lauderdale, FL, May 1995. Paper Title: Correlation of conjunctival goblet cell density (GCD) and mucosal epithelial mucin (MEM) expression in patients with ocular irritation.
16. The Association for Research in Vision and Ophthalmology, Ft Lauderdale, FL, May 1998. Paper Title: Detection of sialomucin complex in human ocular surface epithelium and tear fluid.
17. The Ocular Microbiology and Immunology Group, New Orleans, LA, November 1998. Doxycycline stimulates release of interleukin 1 receptor antagonist from the corneal epithelium.
18. The Association for Research in Vision and Ophthalmology, Sarasota, FL, May 2000. Paper Title: Altered cytokine balance in dry eye disease.

#### **B. Invited lectures:**

1. Cullen Eye Institute Alumni Association Meeting, Baylor College of Medicine, Houston, TX, May 1983. Paper Title: Microbial Scleritis.

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

2. Cullen Eye Institute Alumni Association Meeting, Baylor College of Medicine, Houston, TX, June 1984. Paper Title: Autoantibodies in Sjogren's Syndrome.
3. Cullen Eye Institute Alumni Association Meeting, Baylor College of Medicine, Houston, TX, June 1985. Paper Title: Histopathology, Proposed Immunologic Mechanism, and Response to Immunosuppressives in Autoimmune Aqueous Tear Deficiency.
4. CORSO Interamericana, Miami, FL. November 1987, Title: Management of Scleritis.
5. American Academy of Ophthalmology Regional Update Course Section 1, 3/5/88 - Miami, FL. Title: Viral and Chlamydial Keratoconjunctivitis.
6. American Academy of Ophthalmology Regional Update Course Section 2, 11/12/88 - Miami, FL. Title: Sjogren's Syndrome.
7. American Academy of Ophthalmology Regional Update Course Section 3, 3/5/89 - Miami, FL. Title: Management of Primary and Recurrent Pterygium.
8. Minneapolis Ophthalmological Association, Minneapolis, MN, January 1989. Title: Diagnosis and management of ocular irritation.
9. Cullen Eye Institute Alumni Association Meeting, Baylor College of Medicine, Houston, TX, June 1989. Paper Title: Polymerase Chain Reaction: The Next Diagnostic Revolution.
10. CORSO Interamericana, Miami, FL., November 1989, Title: Postoperative Inflammation.
11. CORSO Interamericana, Miami, FL., November 1990, Titles: Polymerase chain reaction for diagnosis of ocular infectious disease, Implantation of posterior chamber intraocular lenses in the absence of zonular support, Medical and surgical management of postoperative cystoid macular edema
12. Nebraska Society of Ophthalmology, Omaha, Nebraska, April 1990. Paper Titles: Update on Ocular Immunology, Diagnosis and Management of Ocular Irritation.
13. Allergan Pharmaceuticals Future Focus, Newport Beach, CA, September 25, 1990, Title: Update on Ocular Surface Diseases
14. 41st Annual Ophthalmology Post-graduate review course, Syracuse, NY, November 30 and December 1, 1990, Titles: Postoperative inflammation, Diagnosis and management of ocular irritation, Viral and chlamydial keratoconjunctivitis, Management of pterygia

## *CURRICULUM VITAE*

### ***Stephen C. Pflugfelder, M.D.***

15. International Congress of Ophthalmology, Singapore, March 1990. Paper Title: Diagnosis and Management of Aqueous Tear Deficiency.
16. Michigan Ophthalmological Society, December 20, 1990, Title: Sterile Corneal Ulceration
17. Grand Rounds, University of Miami Department of Dermatology, August 8, 1990, Title: Sjogren's Syndrome
18. Grand Rounds, University of Miami Department of Internal Medicine, December 19, 1990, Title: Sjogren's Syndrome
19. Uveitis for the Practicing Ophthalmologist Symposium, Bascom Palmer Eye Institute, Dept of Ophthalmology University of Miami School of Medicine, January 18, 1991. Titles: Postoperative Inflammation, and Topical Cyclosporin A Therapy.
20. Lacrimal Gland Study Group. ARVO meeting, May 1, 1991. Title: Sjogren's Syndrome, Current Concepts.
21. Third International Symposium on Sjogren's syndrome Ioannina Greece June 1991, Title: Diagnostic and research applications of conjunctival impression cytology for Sjogren's syndrome.
22. Third International Symposium on Sjogren's syndrome Ioannina Greece June 1991, Title: State of the Art, Current Understanding of Sjogren's Syndrome.
23. Bascom Palmer Eye Institute "Trade Secrets", August 1991, Title: Conversion from phacoemulsification to ECCE .
24. International Symposium of the German Ophthalmological Society "Update on Infectious Diseases of the Eye" September 19, 1991, Title: Diagnosis and Management of Acute Postoperative Endophthalmitis
25. International Symposium of the German Ophthalmological Society "Update on Infectious Diseases of the Eye" September 20, 1991, Title: Epstein-Barr Virus Ocular Disease
26. Vitreous Society, Paris, France, September 23, 1991. Title: P. acnes endophthalmitis, a surgical disease?



## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

27. American Academy of Ophthalmology Symposium on Current Concepts in Ocular Infectious Diseases. Anaheim, CA October 17, 1991. Title: Epstein-Barr Virus Ocular Disease.
28. CORSO Interamericana, Miami, FL., October 22-25, 1991. Titles: Update on Corneal Dystrophies; Dry Eyes States; Diagnosis and Management of Postoperative Inflammation.
29. Cornea and External Disease Course 1992, Bascom Palmer Eye Institute, January 17&18, 1992. Titles: Recent advances in penetrating keratoplasty; Sterile corneal ulceration; Herpes keratitis update; Sjogren's syndrome.
30. Corneal Disease Update, Good Samaritan Hospital, West Palm Beach, FL, February 15&16, 1992. Titles: New instruments for penetrating keratoplasty, Epstein-Barr virus ocular disease, Surgical therapy of astigmatism, Update on Dry Eye conditions.
31. Florida Society of Ophthalmology Annual Meeting, PGA National Resort, Palm Beach Gardens, FL June 6, 1992 Title: Update on ocular surface diseases.
32. Bascom Palmer 29th Annual Resident's Day Research Symposium, Sonesta Resort, Key Biscayne FL, June 25, 1992. Title: Pathogenesis of Sjogren's Syndrome.
33. Bascom Palmer Eye Institute "Trade Secrets", October 3, 1992, Titles: Dendritic Keratitis, Disciform Keratitis.
34. International Symposium on the Tear Film and Lacrimal Gland, Bermuda ,November 14-17, 1992, Title: Epstein-Barr virus and the Lacrimal Gland Pathology of Sjogren's Syndrome.
35. Update on Cornea and External Disease. University of Minn, April 2-3, 1993. Paper Titles: Sjogren's Syndrome, Corneal Ulcers in Connective Tissue Disease, Diagnosis and Management of Postoperative Endophthalmitis, Epstein-Barr Virus Ocular Disease.
36. Corneal Club, Tai Pai, Taiwan, August 1993, Lecture Titles: Current concepts on ocular surface diseases, Herpetic keratitis, Sterile corneal ulceration in connective tissue disease.
37. Dry Eye Study Group, Tokyo, Japan, August 1993, Lacrimal gland and ocular surface pathology of Sjogren's syndrome.
38. IVth International Sjogren Syndrome Symposium, Tokyo, Japan, August 1993. Paper and Poster Title: Conjunctival immunopathology of Sjogren syndrome

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

39. Allergan Pharmaceuticals, Irvine, CA, August 1993. Diagnostic classification of conditions causing ocular irritation.
40. 18th Corneal Research Conference, Massachusetts Eye and Ear Infirmary, September 1993. Paper Title: Sjogren's Syndrome, A Viral Disease?
41. NEI Dry Eye Workshop, Bethesda, MD, December 13, 1993. Paper Title: Diagnostic Classification of Dry Eyes and Ocular Irritation.
42. Trade Secrets, Keratorefractive Surgery, Bascom Palmer Eye Institute, Miami, FL, February 5, 1994. Paper Title: Corneal Topography for the Keratorefractive Surgeon.
43. Trans America Ophthalmology Meeting, Paradise Island, Bahamas, February 28, 1994. Paper Titles: Current Concepts on Ocular Surface Disease, Corneal Ulceration in Connective Tissue Disease, Herpetic Keratitis.
44. 1994 Ophthalmology Update. Albany Medical College. Saratoga Springs, NY, March 4-5, 1994. Paper Titles: Current Concepts on Ocular Surface Disease, Corneal Ulceration in Connective Tissue Disease, Herpetic Keratitis.
45. 1994 Ocular Infectious Disease Update. The University of Tennessee Medical Center at Knoxville; April 30, 1994. Paper Titles: Microbial Keratitis, Herpetic Keratitis.
46. Herpesvirus Latency - Special Minisymposium, Association for Research in Vision and Ophthalmology Meeting, Sarasota, FL, May 1, 1994. Paper Title: Epstein-Barr virus latency in the human lacrimal gland.
47. New Insights into the Cause of Tear Deficiency - Special Minisymposium, Association for Research in Vision and Ophthalmology Meeting, Sarasota, FL, May 5, 1994. Paper Title: Epstein-Barr virus infection in aqueous tear deficiency
48. Cornea Federated Societies Meeting (Immunology Session), Toronto, Ontario, Canada, June 25, 1994. Paper Title: Immunopathology of Dry Eye.
49. Trade Secrets, Ophthalmology Review for the Primary Care Physician, BPEI, Miami, FL, September 11, 1994, Title: Differential Diagnosis of the Red Eye
50. Sjogren's Syndrome: Current Approaches to Diagnosis and Treatment. Univ of Texas, Southwestern Medical Center, Dallas, TX, October 1, 1994. Paper Title: Current Concepts on Ocular Surface Disease.

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

51. American Academy of Ophthalmology (Symposium on Current Therapy of Infectious Disease), San Francisco, CA, November 3, 1994. Paper Title: Antifungal Therapy.
52. ASORN Meeting, San Francisco, CA, November 1, 1994. Paper Title: Current Concepts on Ocular Surface Disease.
53. Interamerican Course, Miami, FL, November 10, 1994. Title: Corneal Topography for the Keratorefractive Surgeon
54. Second NEI Dry Eye Workshop, Bethesda, MD, December 5, 1994. Paper Title: Sjogren and Non-Sjogren Aqueous Tear Deficiency.
55. National Institute for Dental Research Seminar. Bethesda, MD, December 6, 1994. Paper Title: Lacrimal Gland/Ocular Surface Interactions.
56. NIH-Sponsored Symposium on Oral and Ocular Manifestations of Autoimmune Diseases, University of Florida School of Dentistry, Gainesville, FL, January 20-21, 1995. Paper Titles: 1) Differential Diagnosis of Dry Eye Conditions; 2) Epstein-Barr Virus and the Lacrimal Gland Pathology of Sjogren Syndrome.
57. Clinical Update: Systemic Lupus Erythematosus, University of Miami School of Medicine and Southeast Florida Chapter of the Lupus Foundation of America. Ft. Lauderdale, FL, September 30, 1995, Paper Title: Ocular Manifestations of SLE, September 30, 1995
58. The 13th National Research to Prevent Blindness (RPB) Science Writers Seminar in Eye Research and Vision. Orlando, FL, October 9, 1995. Paper Title: Capturing the Essence of Tears - - At Last.
59. American Society of Ophthalmic Registered Nurses (ASORN) Annual Meeting, Atlanta, GA, October 29, 1995, Paper Titles: Managing the Dry Eye, and Managing Herpes Simplex Keratitis
60. Interamerican CORSO, Miami, FL, November 10, 1995. Title: Radial Keratotomy: Current Status and Future Trends
61. Trade Secrets Course: Dry Eye and Ocular Surface Disorders, Bascom Palmer Eye Institute, Miami, FL, December 2, 1995; Lecture Titles: Structure and Function of the Tear Film, Source of the Tear Film  
- Lacrimal Gland, NEI Classification Scheme, Diagnostic Algorithm, Aqueous Tear Deficiency

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

62. Palm Beach Friends of the Bascom Palmer Eye Institute 8th Medical Forum and Luncheon, December 13, 1995, Title: What's New in Vision Correction Surgery.
63. Sjogren's Syndrome Foundation, 7th Annual National Conference, Phoenix, AZ, March 10, 1996, Title: What's New About the Ocular Disease in Sjogren's Syndrome.
64. World Congress on the Cornea IV, Orlando, FL, April 18, 1996, Title: External Ocular Epstein-Barr Virus Infection
65. ARVO Meeting, Ft. Lauderdale, FL, April 21, 1996, Title: Newly recognized and emerging infections of the corneal and conjunctiva.
66. 32nd Annual Bascom Palmer Eye Institute Resident's Day, Coral Gables, FL, June 22, 1996, Title: Current Concepts Regarding the Tear Film, or What Does the Tear Film Really Do?
67. Nantucket Cornea Society, Nantucket, MA, Aug 1. 1996, Title: Corneal Elevation mapping of Ocular Surface Disease
68. International Symposium on Research on the Ocular Surface, Chang Gung Memorial Hospital 20<sup>th</sup> Anniversary, Tai Pei, Taiwan, September 21-22, 1996, Title: Current Concepts on the Ocular Surface Disease of Dry Eye
69. American Academy of Ophthalmology, Chicago, IL, Oct 30, 1996. Symposium on Advancements from Multidisciplines in the Treatment of External Eye Disease. Title: Ocular Surface Diseases
70. Interamerican Course, Miami, FL, November 8, 1996, Title: Corneal topography for the corneal surgeon
71. Second International Conference on the Lacrimal Gland, Tear Film, and Dry Eye Syndrome: Basic and Clinical Relevance, Southampton Princess, Bermuda, November 11, 1996; Title: Tear Film Influence on the Ocular Surface
72. CLAO Meeting, Las Vegas, NV, January 16, 1997; Title: Immunology of Dry Eye
73. CLAO Meeting, Las Vegas, NV, January 16, 1997; Title: Treatment of Ocular Fungal Infections
73. Trade Secrets Course: Ocular Disease in AIDS, Bascom Palmer Eye Institute, February 22, 1997; Title: External diseases: conjunctivitis, keratitis, dry eye

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

74. Presbyterian Hospital - Dallas Spring Ophthalmology Symposium, Dallas, TX, March 14, 1997; Title: Current Concepts in Ocular Surface Disease and Ocular Surface Reconstruction Surgery
75. Trade Secrets Course: Update on Refractive Surgery, Bascom Palmer Eye Institute, April 12, 1997; Title: PRK Complications – Avoidance and Management.
76. Current Theories on the Etiology and Pathogenesis of Dry Eye Special Interest Group, ARVO, Ft. Lauderdale, FL, May 12, 1997; Title: Ocular Surface Inflammation and Dry Eye
77. Ocular Surface and Tear Workshop, Bascom Palmer Eye Institute, May 17, 1997; Title: Experimental Tear Film Lesions in Dry Eye.
78. Louis Girard Lecture, 34<sup>th</sup> Baylor Alumni Association Meeting, Houston, TX, May 6, 1997. Title: Current Concepts in Ocular Surface Disease and Dry Eye.
79. 20<sup>th</sup> Biennial Cornea Research Conference, Massachusetts Eye and Ear Infirmary and Schepens Eye Research Institute, Boston, MA, September 26, 1997. Title: Influence of tear fluid cytokines on the ocular surface.
80. Vth International Symposium on Sjogren's Syndrome, Avon, CT, October 16, 1997. Title: Cytokines, Cytokeratins and mucins.
81. Inter-American Course in Ophthalmology, Bascom Palmer Eye Institute, November 5, 1997. Title: Post-keratoplasty suture management.
82. Inter-American Course in Ophthalmology, Bascom Palmer Eye Institute, November 7, 1997. Title: Biological factors that affect outcome of keratorefractive surgery.
83. Keratoconus patient education seminar. National Keratoconus Foundation. Fort Lauderdale, FL, May 9, 1998. Title: Corneal Transplantation: The Surgical Experience.
84. International Congress of Ophthalmology, Amsterdam, Holland, June 1998 Title: Inflammation and Dry Eye
85. Institute for Retired Professionals, University of Miami, May 29, 1998, Title: The Aging Eye
86. International Ocular Immunology and Immunopathology Symposium, Amsterdam, Holland, June 1998 Immunol meeting, Title: Inflammatory Aspects of Dry Eye

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

87. Castroviejo Symposium, American Academy of Ophthalmology, New Orleans, LA, November 1998, Title: Diagnosis of Tear Film Deficiency
88. Inter-American Course in Ophthalmology, Bascom Palmer Eye Institute, November 18, 1998. Title: Advances in Therapy of Dry Eye.
89. Trade Secrets Course: Update in Refractive Surgery, Bascom Palmer Eye Institute, April 24, 1999; Title: Screening patients for refractive surgery.
90. New Directions in Dry Eye Disease Symposium, Oxford Institute for Continuing Education, Omni Rosen Hotel, Orlando, FL. October 24, 1999. Title: Pathogenesis and diagnosis of dry eye.
91. Inter-American Course in Ophthalmology, Bascom Palmer Eye Institute, November 1, 1999. Title: New Frontiers in Ophthalmology: Ocular Surface Diseases.
92. Washington Academy of Eye Physicians and Surgeons., University of Washington, Seattle, WA. November 18, 1999. New perspectives on therapy of dry eye disease.
93. CLAO Meeting, Las Vegas, Nevada, January 25, 2000. Title: New Directions in Dry Eye Therapy
94. 22<sup>nd</sup> Annual Dallas Spring Ophthalmology Symposium. Presbyterian Hospital of Dallas. March 10, 2000. Title: Current concepts in the management of dry eye.
95. Tri-state Ophthalmology Meeting, Homestead Resort, Hot Springs, VA, May 13, 2000  
Titles: New perspectives in dry eye and Pre-operative evaluation of the ocular surface for LASIK.
96. Symposium on Immunosuppressors in Ophthalmology, Hotel Juan Carlos Rey, Barcelona, Spain, May 26, 2000. Titles: New directions in diagnosis of dry eye and Non-preserved corticosteroid therapy for keratoconjunctivitis sicca.
97. Trade Secrets Course: Complications of LASIK Surgery, Bascom Palmer Eye Institute, June 3, 2000; Title: Ocular Surfacing Problems following LASIK.
98. International Society for Eye Research (ISER): Dry Eye: New Insights into Pathophysiology, Santa Fe, NM, October 17, 2000. Title: The role of pro-inflammatory cytokines in KCS.
99. University of Nebraska Ophthalmology Update, Omaha, NE, November 10, 2000; Henry J. Lenhoff, M.D. Lecture. Dry Eye – The never-ending battle.

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

100. Third International Conference on the Lacrimal Gland, Tear Film and Dry Eye Syndromes, Maui, Hawaii, November 17, 2000. Keynote Address: Dry Eye and Delayed Tear Clearance: A Call to Arms.
101. Update on Ocular Dry Eye and Ocular Surface Disease, Bilbao, Spain, March 16, 2001. Titles: Delayed Tear Clearance and New Drugs in Dry Eye.
102. Refractive Surgery 2001 New Options and Horizons, American Academy of Ophthalmology Subspecialty Day, New Orleans, LA, November 9, 2001. Title: Post-LASIK Dry Eye.
103. Bascom Palmer Eye Institute 40th Anniversary Meeting, Biltmore Hotel, Coral Gables, FL, February 22, 2002. Title: Update on Dry Eye and Ocular Surface Disease.
104. Cullen Eye Institute Alumni Day Meeting, Houston, TX, June 8, 2002. Title: Matrix Metalloproteinases and Keratoconjunctivitis Sicca
105. Ocular Surface Symposium, Santiago de Compostela, Spain, June 21, 2002. Titles: New Developments in Dry Eye Disease and New Treatments for Dry Eye.
106. Diseases of External, Cornea and Uvea, Pontificia Universidad Catolica de Chile, Santiago, Chile, October 5, 2002. Titles: Corneal Sensation and its Disorders, Dry Eye Update, Treatment of Persistent Corneal Epithelial Defects.
107. Center for Cell and Gene Therapy Retreat, Galveston, TX, November 21, 2002. Title: Ocular Surface Center Annual Review.
108. Restasis Dry Eye Consensus Meeting, New York, NY January 10, 2003, Title: Core Slide Presentation.
109. Cullen Course, Houston, TX, February 22, 2003. Titles: Update on Extended Wear Contact Lenses, Update on Corneal Epithelial Stem Cell Transplantation, Post-Lasik Infection and Inflammation.
110. Viers Course, Scott and White Department of Ophthalmology, Temple, TX, April 25, 2003. Title: New Directions in Dry Eye Disease.
111. New Horizons in Ophthalmology, Bascom Palmer Eye Institute, Aspen, CO, April 3-5, 2003. Titles: Disorders of Corneal Sensation, Update on Corneal Epithelial Stem Cell Transplantation, New Directions in Dry Eye and Ocular Surface Disease.

## *CURRICULUM VITAE*

### ***Stephen C. Pflugfelder, M.D.***

112. Review of Refractive Surgery Dry Eye Roundtable, Cleveland, OH, June 2003. Title: Emerging Issues in Ocular Surface Disease.

113. Tristate Ophthalmology Meeting (Louisiana, Mississippi, Alabama), Destin, FL, July 31, 2003, Title: New Directions in Dry Eye Disease.

114. 4<sup>th</sup> International Congress of Inflammation, Vancouver, BC, August 3, 2003. Title: Inflammation and Keratoconjunctivitis Sicca.

115. American College of Rheumatology, Orlando, FL, October 24, 2003. Sjogren's Syndrome: New Advances in Pathophysiology, Clinical Picture and Treatment. Title: New Aspects on the Pathogenesis of keratoconjunctivitis sicca.

116. Pittsburgh Ophthalmology Society, Pittsburgh, PA, October 2, 2003. Titles: Update on Corneal Epithelial Stem Cell Transplantation and New Directions in Dry Eye Disease.

117. American Academy of Optometry, Dallas, TX, December 5, 2003. Title: Treatment of the Dry Eye: The Development of New Modalities.

118. The Harold A. Stein, MD Lecture, CLAO Meeting, Orlando, FL, January 24, 2004. Title: Dry Eye: An Inflammatory Disease?

119. The Royal Hawaiian Eye Meeting 2004, Kauai, HI, January 29, 2004, Bausch ad Lomb Lunch Symposium. Title: Dry Eye: Etiology and Prevalence in Cataract and Refractive Patients.

120. The Royal Hawaiian Eye Meeting 2004, Kauai, HI, January 29, 2004. Title: The Role of Inflammation in the Pathogenesis of Dry Eye.

121. The Royal Hawaiian Eye Meeting 2004, Kauai, HI, January 29, 2004. Title: Corneal Stem Cell Transplantation.

122. New Orleans Academy of Ophthalmology 53<sup>rd</sup> Annual Symposium, New Orleans, LA, February 13, 2004. Titles: Extended Wear Contact Lenses: Back to the Future; New Directions on Dry Eye Disease, Update on Corneal Epithelial Stem-Cell Transplantation.

123. 19<sup>th</sup> Annual Cullen Course, Houston, TX, February 20-22, 2004. Titles: How to Work up the Dry Eye; The Bioengineered Cornea.

124. Inspire Elestat<sup>TM</sup> 2004 Speaker Training Meeting, Irvine, TX, March 6, 2004. Title: Pathophysiology of Ocular Allergy.



## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

125. 24<sup>th</sup> Annual Alamo City Ophthalmology Conference, San Antonio, TX, March 6, 2004. Keynote Address – Title: New Directions in Dry Eye Disease.
126. 3<sup>rd</sup> International Congress on LASEK and Epi-LASIK, Houston, TX, March 20, 2004. Title: Differences in Dry Eye Between Lamellar and Advanced Surface Ablation.
127. Southeastern Cataract, Cornea and Refractive Surgery Conference, Duke University Medical Center, March 27, 2004. Keynote Address – Title: Tear Film and the Cornea.
128. Optimizing the Ocular Surface – Translating Theory into Refractive Practice Symposium, April 30, 2004, San Diego, CA. Title: Dry Eye after LASIK.
129. 56<sup>th</sup> Annual Chicago Ophthalmology Society, Navy Pier, Chicago, IL, May 15, 2004. Titles: Infection and Inflammation after LASIK; New Directions in Dry Eye Disease.
130. The Cullen Eye Institute Vision Research Seminar Series, Houston, TX, June 18, 2004. Title: The Stress of Dry Eye on the Ocular Surface.
131. H. Bruce Ostler Association of Proctor Fellows, 30<sup>th</sup> Annual Meeting, Asilomar, CA, June 26, 2004. G. Richard O'Connor Lecture: The Ocular Surface Stress of Dry Eye.
132. EVER Meeting, Villamoura, Portugal, September 24, 2005. Keynote Lecture: Effects of Dry Eye on the Cornea.
- 133a. American Academy of Ophthalmology, Glaucoma Subspecialty Day, New Orleans, LA, October 23, 2004. Title: Managing the Glaucoma Patient Tear Film.
- 133b. American Academy of Ophthalmology, Refractive Subspecialty Day, New Orleans, LA, October 23, 2004. Title: The Ocular Surface after LASIK.
134. Inter American Course, Bascom Palmer Eye Institute, Miami, FL, November 2, 2004. Lecture Titles: Update on Ocular Allergy; Current Dry Eye Therapy.
135. Tear Film and Ocular Surface Society Meeting, El Conquistador Resort, Las Croabas, Puerto Rico, November 20, 2004. Keynote Lecture Title: Animal Models of Dry Eye.
136. 21<sup>st</sup> Annual Cornea, Contact Lenses and Contemporary Vision Care Symposium 2004, University of Houston College of Optometry, Houston, TX, December 5, 2004. Title: Current Diagnosis and Treatment of Dry Eyes.
137. 1<sup>st</sup> Cullen Symposium on Corneal and Ocular Surface Inflammation, Baylor College of Medicine, Houston, TX, January 21, 2005. Title: SAPk Activation in Dry Eye.

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

138. Ocular Immunology Course, Institute of Ophthalmology Applied, University of Valladolid, Valladolid, Spain, February 9-12, 2005. Lecture Titles: Dry Eye, The Problem; Ocular Surface Inflammation in Dry Eye Syndrome; New Available Treatments for Dry Eye.

139. 2<sup>nd</sup> SERI ARVO Meeting, Singapore, February 16-17, 2005. Lecture Titles: Ocular Surface Inflammation – The Name of the Game; New Therapeutic Treatments for Dry Eye – Life Beyond Artificial Tears; Keynote Lecture: Tear Film and the Cornea.

140. 20<sup>th</sup> Annual Cullen Course, Houston, TX, February 25-27, 2005. Titles: New Punctal Plugs; Mitomycin-C for Ocular Surface Diseases.

141. Cornea and Refractive Surgery Summit 2005, Cole Eye Institute, March 25-26, 2005. Titles: Update on Ocular Allergy; LASIK and the Ocular Surface.

142. Bascom Palmer Eye Institute, New Horizons in Ophthalmology, Aspen, CO, March 31 – April 2, 2005. Titles: Update on Ocular Allergy; New Directions in Dry Eye Disease; LASIK and the Ocular Surface.

143. Ophthalmic Symposium, San Antonio, TX, August 26-28, 2005. Titles: The Definitive Practical Work-up of the Dry Eye; Can we Insure that Patients will Not Get Ectasia from Excimer Laser Procedures; My Worst Refractive Surgery Complication.

144. AAO Satellite Symposium – Most Effective Treatments in Ophthalmology, Navy Pier, Chicago, IL, October 14, 2005. Title: Clinical Practicality and Application of New Dry Eye Treatment Guidelines.

145. American Academy of Ophthalmology, Chicago, IL, October 18, 2005. Title: Overview of the Role of Inflammation in Ocular Surface Disease.

146. State of the Art Conference on Chronic Dry Eye, National Eye Institute, Washington D.C., November 18-19, 2005. Title: Pathophysiology of Chronic Dry Eye.

147. 21<sup>st</sup> Annual Cullen Course, The Houstonian Hotel, March 4, 2006. Titles: Update on Ocular Allergy; Multifocal Intraocular Lenses.

148. Update on Corneal Epithelial Cell Transplantation, Center for Life, University of Newcastle, Newcastle on Tyne, England, March 17, 2006.

149. Bowman Club Meeting, Newcastle on Tyne, England, March 17, 2006. Update on Keratolimbal Transplantation.

## *CURRICULUM VITAE*

### ***Stephen C. Pflugfelder, M.D.***

150. 2006 David Easty Lecture: Bowman Club Meeting, Newcastle on Tyne, England, March 17, 2006. Title: The Role of Inflammation in Keratoconjunctivitis Sicca.

151. IX International Sjogren's Syndrome Symposium, Washington, D.C., April 28, 2006. Ocular Keynote Lecture Title: Role of Inflammation in Sjogren's Syndrome Keratoconjunctivitis Sicca.

152. 34<sup>th</sup> Annual Alumni Update, SUNY Downstate Department of Ophthalmology, Brooklyn, NY, June 8, 2006. Titles: Ocular Surface Disease; Dry Eye After Refractive Surgery.

#### **C. Visiting professorships:**

1990; Lancaster Ophthalmology Course, Colby College, Waterville , MN, August 13-15, 1990, Comprehensive Review of Ocular Microbiology and Immunology

1991; Corneal Teaching Day, April 4, 1991, Department of Ophthalmology, Albany Medical College, Albany, N.Y., Lectures given: Diagnosis and Management of Ocular Irritation; Epstein-Barr virus Ocular Disease; Viral and Chlamydial Keratoconjunctivitis.

1991; Lancaster Ophthalmology Course, Colby College, Waterville , MN, July 13, 1991, Comprehensive Review of Ocular Microbiology

1992; Department of Ophthalmology, Harvard Medical School, Eye Research Institute, March 17, 1992, Lecture Title: Ocular Pathology of Sjogren's Syndrome

1992; Lancaster Ophthalmology Course, Colby College, Waterville , MN, July 17, 1992, Comprehensive Review of Ocular Microbiology

1993; Lancaster Ophthalmology Course, Colby College, Waterville , MN, July 19 & 20, 1993, Comprehensive Review of Ocular Microbiology

1994; Lancaster Ophthalmology Course, Colby College, Waterville , MN, July 24 & 25, 1994, Comprehensive Review of Ocular Microbiology and Dry Eye Conditions

1994; University of British Columbia, Vancouver Canada, September 30, 1994, Lecture Titles: Infectious Endophthalmitis, Ocular Surface Immune Defense Mechanisms, Ocular Herpesvirus Infections

## *CURRICULUM VITAE*

### ***Stephen C. Pflugfelder, M.D.***

1995; Mayo Clinic, Department of Ophthalmology, Rochester, MN, May 2-3, Lecture Titles: Corneal Ulceration in Connective Tissue Diseases, Filamentary Keratitis

1995; Lancaster Ophthalmology Course, Colby College, Waterville, MN, July 31 & August 1, 1995, Comprehensive Review of Ocular Microbiology and Dry Eye Conditions

1995; University of Toronto School of Medicine, Department of Ophthalmology, December 14 and 15, 1995, Lecture Titles: Keratoconjunctivitis, Sterile Corneal Ulceration, Current Concepts in Ocular Surface Disease

1996; Washington University School of Medicine, Department of Ophthalmology, March 20, 1996. Lecture Titles: Radial Keratotomy: Current Status and Future Trends, Sterile Corneal Ulceration, Current Concepts in Ocular Surface Disease

1997; University of California San Francisco, Department of Ophthalmology; Senju Lecture Title: Current Concepts in Ocular Surface Disease and Dry Eye; Resident Lectures: Sterile Corneal Ulceration, Corneal Elevation Mapping, Ocular Surface Reconstruction Surgery

1997; Mayo Clinic Jacksonville April 19, 1997 Titles: Current Concepts in Ocular Surface Disease and Dry Eye Epstein-Barr Virus Ocular Disease

1998; Department of Ophthalmology and Visual Sciences, The University of Iowa College of Medicine, April 2-3, 1998. Titles: Biological factors that affect outcome of keratorefractive surgery, Update on Dry Eye and Ocular Surface Disease, Sterile Corneal Ulceration.

1999; Department of Ophthalmology, University of Washington School of Medicine, November 18, 1999. Titles: Corneal ulceration in connective tissue disease, New perspectives on therapy of dry eye disease.

2001; John E. Harris Visiting Professorship, University of Minnesota, Department of Ophthalmology, Minneapolis, MN, May 25-26, 2001. Titles: Update on Dry Eye and Ocular Surface Disease, Sterile Corneal Ulceration, Update on Ocular Surface Reconstruction.

2001; Annual UIC Cornea and Refractive Surgery Symposium, Chicago, IL, September 26, 2001, Marvin Henry, M.D. Memorial Lecture: New Directions in Treatment of Dry Eye and Ocular Surface Disease.

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

2002; University of Wisconsin, Madison Department of Ophthalmology, Madison, WI, September 26, 2002. Titles: New Directions in Dry Eye, Sterile Corneal Ulceration, Disorders of Corneal Sensation.

2003; Department of Ophthalmology, University of Pittsburgh, October 3, 2003. Title: Post LASIK Microbial Keratitis.

2004; Long Island Jewish /Northshore Hospital, Department of Ophthalmology, March 3, 2004. Titles: Current Concepts on Dry Eye; Corneal Epithelial Stem Cell Update

2004; Columbia University Harkness Eye Institute, NY, NY, September 9, 2004. Title: Current Concepts in Dry Eye .

2005; University of Rochester, Department of Ophthalmology, Rochester, NY, June 18, 2005. Bausch and Lomb Lecture Title: Dry Eye and the cornea, anterior chamber, and lens were clear.

2005; United States Military Medical School, Department of Ophthalmology, Bethesda, MD, December 9, 2005. Title: Update on Corneal Epithelial Stem Cell Transplantation.

#### **D. Seminar or conference panel member:**

Allergan Pharmaceuticals panel on Ocular Surface Diseases, American Academy of Ophthalmology Meeting, New Orleans, LA, November 1989

Cochairman of panel discussion on eye research in Sjogren's syndrome, Third International Symposium on Sjogren's syndrome Ioannina Greece June 1991

Allergan Pharmaceuticals Advisory Panel on Ocular Surface Diseases, Irvine CA , July 11, 1992

Program Committee and Sjogren's Syndrome section cochairman, International Symposium on the Tear Film and Lacrimal Gland, Bermuda, November 14-17, 1992

Program Committee and Sjogren's Syndrome section cochairman, Fourth International Symposium on Sjogren's syndrome Tokyo, Japan August 1993

Allergan Inc, Cyclosporine Expert Clinical Panel. Atlanta, GA October 4, 1993.

First NEI Dry Eye Workshop, Bethesda , MD, December 13-14, 1993.

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

Sjogren's Syndrome: Current Approaches to Diagnosis and Treatment, University of Texas, Southwestern Medical Center, Dallas, TX, October 1, 1994.

Second NEI Dry Eye Workshop, Bethesda, MD, December 5-6, 1994.

Cochairman for First Ocular Surface and Tear Symposium, Bascom Palmer Eye Institute, May 1995.

Outside reviewer for Ocular Surface Disease Research Program, Allergan Pharmaceuticals, 10/95

Cochairman for Second Ocular Surface and Tear Symposium, Bascom Palmer Eye Institute, May 1996.

Program Committee for Second International Symposium on the Tear Film and Lacrimal Gland, Bermuda, November 16-19, 1996

Meet the Experts Forum, Sjögren's Syndrome Foundation/ National Sjögren's Syndrome Association, October 19, 1996, Orlando, FL

Organizer of Current Theories on the Etiology and Pathogenesis of Dry Eye Special Interest Group, Association for Research in Vision and Ophthalmology, May 12, 1997, Ft. Lauderdale, FL

Cochairman for Third Ocular Surface and Tear Symposium, Bascom Palmer Eye Institute, May 1997

Moderator for Plenary Session on Treatment at the Vth International Sjogren's Syndrome Symposium, Avon, CT, October 18, 1997.

Participant in roundtable discussion on Classification, Diagnosis and Treatment of Dry Eye, Ocular surgery News, Kona, HI, January 29, 1999.

Organizer of Current Concepts regarding Pathogenesis and Treatment of Dry Eye Special Interest Group, Association for Research in Vision and Ophthalmology, May 2, 2000, Ft. Lauderdale, FL.

Participant, International Task Force, Delphi Panel for Dry Eye, Wilmer Eye Institute, October 14, 2003.

Member, Allergy and Inflammation Working Group, Allergan Inc., New York, NY, January 9-11, 2004

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

Member, Elestat Advisory Board, Inspire Pharmaceuticals, New York City, NY, January 10-11, 2004.

Co-Chairman Cullen Symposium on Corneal and Ocular Surface Inflammation, Baylor College of Medicine, Houston, TX, January 21-22, 2005.

Member, Allergy and Inflammation Working Group, Allergan Inc., New York City, NY, July 29=31, 2005.

Member, Allergy and Inflammation Working Group, Allergan Inc., New York City, NY, August 4-6, 2006.

#### **E. Instructional courses:**

Instructional Course on Medical and Surgical Management of Endophthalmitis. American Academy of Ophthalmology meeting 1986 - New Orleans, LA., 1987 - Dallas, TX, 1988 - Las Vegas, NV, 1989 - New Orleans, LA, 1990- Atlanta, GA, 1991- Anaheim, CA.

Instructional Course on Cornea and External Diseases. American Academy of Ophthalmology meeting, 1991- Anaheim, CA

Program Director, Florida Society of Ophthalmology Annual Academic Meeting, April 12-14, 1991, Palm Beach Gardens, FL.

Program Director, Cornea and External Disease Course 1992; Bascom Palmer Eye Institute, January 17&18, 1992.

Program Director, JCHAPO and ASORN First Assistant Course for Cataract Surgery; Bascom Palmer Eye Institute, March 5&6, 1992.

Program Director, Florida Society of Ophthalmology Annual Academic Meeting, June 5&6, 1992, Palm Beach Gardens, FL.

Program Director, Florida Society of Ophthalmology Annual Academic Meeting, June 11-13, 1993, Palm Beach, FL.

Program Director, Ophthalmology update, University of Miami 40th Anniversary Educational Program, February 12, 1993

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

Steps in Cataract Surgery Course, JCHAPO Meeting, November 9, 1992, Dallas Texas

Instructional Course on Dry Eyes and Ocular Irritation. American Academy of Ophthalmology meeting, 1993- Chicago, IL

Program Director, Trade Secrets Course: Keratorefractive Surgery, Current Practice and Future Trends, Bascom Palmer Eye Institute, Miami, FL, February 5, 1994.

Instructional Course on Dry Eyes and Ocular Irritation. American Academy of Ophthalmology meeting, San Francisco, CA, November 1, 1994.

Instructional Course on Endophthalmitis. American Academy of Ophthalmology meeting, San Francisco, CA, November 2, 1994.

Program Director, Trade Secrets Course: Dry Eye and Ocular Surface Disorders, December 2, 1995

Instructional Course on Dry Eyes and Ocular Irritation. American Academy of Ophthalmology meeting, Atlanta, GA, November 1, 1995.

International Congress, The Cornea, Venice, Italy, Microbiology and Infective Pathology, May 16, 1996.

Instructional Course on Endophthalmitis. American Academy of Ophthalmology meeting. New Orleans, LA, November 1998.

Moderator, "Conversation with the American Board of Ophthalmology" Recertification Seminar, American Academy of Ophthalmology meeting, San Francisco, CA, October 1997.

Moderator, "Conversation with the American Board of Ophthalmology" Recertification Seminar, American Academy of Ophthalmology meeting, New Orleans, LA, November 1998.

Moderator, "Conversation with the American Board of Ophthalmology" Recertification Seminar, American Academy of Ophthalmology meeting, Orlando, FL, October 1999.



## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

Moderator, “Conversation with the American Board of Ophthalmology”  
Recertification Seminar, American Academy of Ophthalmology meeting, Dallas,  
TX, October 2000.

Moderator, “Conversation with the American Board of Ophthalmology” Seminar  
on Maintenance of Competency and Certification, American Academy of  
Ophthalmology meeting, New Orleans, LA, November 2001.

Instructional Course, Problem Solving in Cornea and External Disease. American  
Academy of Ophthalmology, Dallas, TX, October 2000.

Instructional Course, Problem Solving in Cornea and External Disease, American  
Academy of Ophthalmology, New Orleans, LA, November 2001.

Instructional Course, Problem Solving in Cornea and External Disease, American  
Academy of Ophthalmology, Orlando, FL, October 21 and 22, 2002.

LEO Clinical Update Course, Corneal and External Disease. American Academy of  
Ophthalmology, Orlando, FL, October 22, 2002.

## **TEACHING**

### **Teaching Awards Received:**

1990 Outstanding Professor Award for resident education, Bascom Palmer Eye  
Institute

### **Thesis and Dissertation Advising**

Post-doctoral fellowship mentor for Cecelia A. Crouse, PhD July 1990-January  
1992

Faculty Advisor for David Jones, PhD in Physician Scientist Program, University  
of Miami School of Medicine, Project: Ocular Surface Immunopathology of  
Sjogren's Syndrome 1990-92.

Post-doctoral fellowship mentor for Kenishi Yoshino, MD, July 1992- January  
1995.

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

Post-doctoral fellowship mentor for Alexandra Nava, MD, March 1994-July, 1996.

Post-doctoral fellowship mentor for Nelifur Demarbis, MD, January 1996-July 1997

Sponsor for post-doctoral fellowship for David Jones, M.D.,Ph.D. Fight-for-Sight Grant: Evaluation of the expression of retinoic acid receptors in dry eye, 7/1/97-6/30/98.

Post-doctoral fellowship mentor for Nelifur Demarbis, MD, January 1996-July 1997

Sponsor for post-doctoral fellowship for Zuguo Liu, M.D.,Ph.D. Fight-for-Sight Grant: Evaluation of epidermal growth factor expression and activation in ocular surface epithelium. 6/1/98-5/31/99.

Post-doctoral fellowship mentor for Abraham Solomon, MD, July 1998 – July 2000.

Post-doctoral fellowship mentor for Cintia De Paiva, M.D., April 2001-July 2007.

Post-doctoral fellowship mentor for Lucy Chen, M.D., PhD, July 2001-July 2007.

Post-doctoral fellowship mentor for Hyun Seung Kim, M.D., March 2002-March 2003.

Post-doctoral fellowship mentor for Lihui Liu, MD, June 2002- October 2004.

Post-doctoral fellowship mentor for Rosa Corales, PhD, March 2003-December 2005.

Post-doctoral fellowship mentor for Louis Tong, M.D., May 2004-April 2006.

Post-doctoral fellowship mentor for Kyung-Chul Yoon, M.D., May 2006-April 2007.

Post-doctoral fellowship mentor for Hong Qi, M.D., PhD, March 2006-April 2008.

Post-doctoral fellowship mentor for Eliseu Chuang, M.D, January 2007-July 2008.

Post-doctoral fellowship mentor for Fang Bian, M.D, PhD, May 2007-May 2008.

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

Post-doctoral fellowship mentor for Sol Pangelinan, M.D, October 2006-present.

Post-doctoral fellowship mentor for Xiaofen Zheng, M.D, September 2007-present.

Post-doctoral fellowship mentor for Ping Ma, M.D, December 2007-June 2009..

Post-doctoral fellowship mentor for Kavita Rao, M.D, May 2008-June 2009.

Post-doctoral fellowship mentor for Koray Gumus, M.D, July 2009-April 2010.

Post-doctoral fellowship mentor for Xiaobo Zhang, M.D, September 2009-August 2011.

Medical student research track for Jagdeep Raince, July 2009 – July 2010

Medical student research track for Andrew McClellan, July 2009 – July 2010

Medical student research track for Andrew McClellan, July 2010 – July 2011

## **SERVICE**

### **University Committee and Administrative Responsibilities:**

Member of Clinic Committee, Bascom Palmer Eye Institute, 1986 and 1987.

Member of Infection Control Committee, Anne Bates Leach Eye Hospital 1988-1992.

Member of Professional Income Plan Committee, University of Miami School of Medicine, 1987-1990.

Residency Selection Committee, Department of Ophthalmology, University of Miami School of Medicine, 1987-92.

Residency Education Committee, Bascom Palmer Eye Institute, 1990-1992.

## *CURRICULUM VITAE*

### ***Stephen C. Pflugfelder, M.D.***

Medical Board, Anne Bates Leach Eye Hospital, 1993-2000.

Consultant to Medical Director of Florida Lions Eye Bank, 1995-2000

Chairman of Outpatient Clinic Committee, Bascom Palmer Eye Institute, 1998

Dean's Research Strategic Planning Task Force, University of Miami School of Medicine, 1998-99

Research Committee, Bascom Palmer Eye Institute, 1998-2000.

Research Director, Bascom Palmer Eye Institute, 1999-2000.

Cell and Gene Therapy Committee, Baylor College of Medicine, 2001-present.

Technology Transfer Committee, Baylor College of Medicine, 2000-present.

Residency Selection Committee, Department of Ophthalmology, Baylor College of Medicine, 2000-2002.

Associate Medical Director, Lions Eye Bank of Texas. 2002-present.

Tenure and Promotion Committee, Department of Ophthalmology, Baylor College of Medicine, 2005-present.

#### **Community Activities:**

Participant in National Eye Care Project 1986 - present.

#### **National Activities:**

Associate Examiner American Board of Ophthalmology

Ad Hoc Study Section, National Eye Institute, 1993

Reviewer:     Ophthalmology  
                  Journal of Corneal and Keratorefractive Surgery  
                  Investigative Ophthalmology and Visual Science  
                  Archives of Ophthalmology  
                  Cornea  
                  American Journal of Ophthalmology  
                  British Journal of Ophthalmology

## *CURRICULUM VITAE*

### *Stephen C. Pflugfelder, M.D.*

Current Eye Research  
Experimental Eye Research  
Ocular and Cutaneous Toxicology

American Academy of Ophthalmology, BCSC Committee: Section 8, External Disease and Cornea 1990-1995.

American Academy of Ophthalmology, Recredentialing Committee, 1992-2002, Committee Chairman, 1996-2000.

American Academy of Ophthalmology, Chairman Lifelong Education for Ophthalmologists Committee, 2000-2005.

American Academy of Ophthalmology, Preferred Practice Patterns for Cornea and External Disease Committee, 1995-2006.

Moderator for Conjunctival Biology Section, 1995 ARVO Meeting.

Reviewer for Fight for Sight Grants, 1996-1999.

Secretary of Ocular Microbiology and Immunology Group, 1996-1997.

Vice-President of Ocular Microbiology and Immunology Group, 1997-1998.

President of Ocular Microbiology and Immunology Group, 1998-1999.

Moderator for Tear Film Section, 1999 ARVO Meeting.

VisA Study Section (invited member), February 17-18, 2000.

Liason between American Academy of Ophthalmology and American Board of Ophthalmology, 2001-present.

Secretary of Tear Film and Ocular Surface Society, 2001-2006.

Cornea Committee, American Society of Cataract and Refractive Surgery (ASCRS), 2000- 2005.

Question Writing Committee for American Board of Ophthalmology Certificate Renewal Written Examination, 2001-2005.

*CURRICULUM VITAE*

***Stephen C. Pflugfelder, M.D.***

Women's Eye Health Task Force of the Schepens Eye Research Institute, 2002 – present.

President – International Ocular Surface Society (IOSS), 2008-present.