

CURRICULUM VITAE

**KAREN WOLFE OXFORD**

**EDUCATION AND TRAINING**

B.A., Bryn Mawr College, 1986  
Molecular Biology at Haverford College  
Minor in Spanish at Bryn Mawr  
Bryn Mawr, Pennsylvania

M.D., University of Southern California  
School of Medicine, Los Angeles, 1990

Intern in Internal Medicine, 1991  
St. Mary Medical Center  
Long Beach, California

Resident in Ophthalmology, 1994  
University of Florida, Gainesville

Fellow in Cornea and External Diseases, 1995  
Pacific Ophthalmic Consultants  
California Pacific Medical Center  
San Francisco, California  
Preceptors: Richard L. Abbott, MD  
Robert G. Webster, Jr., MD

**CURRENT POSITION**

Consultant, Corneal and External Diseases  
Pacific Eye Associates  
Clinical Professor of Ophthalmology  
California Pacific Medical Center  
San Francisco, California

Director, Corneal and Refractive Surgery  
Pacific Eye Associates

Compliance Officer  
Pacific Eye Associates  
San Francisco, California

## **CLINICAL SKILLS**

Penetrating Keratoplasty  
Lamellar Keratoplasty  
Phacoemulsification  
Refractive Laser Surgery  
Conjunctival Surgery

## **RESEARCH FELLOWSHIPS**

Student Research Fellowship  
Division of Molecular Biology  
Beckman Research Institute of the  
City of Hope, Duarte, California, 1986

Student Research Fellowship Award  
American Heart Association  
USC School of Medicine  
Department of Ophthalmology, 1988

## **HONORS AND AWARDS**

International Minerals and Chemical Scholarship  
IMC Corporation  
Bryn Mawr College, 1982-1986

Bachelor of Arts, Magna Cum Laude  
Bryn Mawr College, 1986

High Honors in Molecular Biology  
Haverford College, 1986

Cardio-Respiratory Scholarship  
USC School of Medicine, 1987

Hendricks Scholarship  
USC School of Medicine, 1988

Harriet Judd Sartain Medical Scholarship  
Bryn Mawr College, 1988-1990

E.R. Squibb Award for Excellence in Medical  
Student Research, USC School of Medicine, 1989

Honors Grades in Clinical Clerkships:  
Ophthalmology, Neuro-Ophthalmology,  
Internal Medicine, Pediatrics, Otolaryngology,  
Neuroradiology, Pulmonary Medicine,  
Rheumatology, and Emergency Medicine  
USC School of Medicine, 1988-1990

USC Merit Award, USC School of Medicine, 1989

Luce Scholar, Henry Luce Foundation, New York, 1990

Jerome W. Bettman Risk Management Essay  
Competition, 1995

Guide to America's Top Ophthalmologists, 2004  
Consumers' Research Council of America  
Washington DC

## **TEACHING EXPERIENCE**

Lectures in Cellular Biochemistry Receptors:  
The Insulin Receptor  
Bryn Mawr College Department of Biology, 1985

Teaching Assistant, Medical Spanish Instructor  
USC School of Medicine, 1986

Lectures in Ophthalmology  
University of Florida School of Medicine, 1992

Chief Resident in Ophthalmology  
University of Florida, 1993

Coordinator, Resident Cornea Clinic  
California Pacific Medical Center  
San Francisco, California 1994-1995

Lectures in Cornea and External Diseases  
California Pacific Medical Center  
San Francisco, California 1994-present

## **COMMITTEE APPOINTMENTS**

Committee on Recredentialing  
American Academy of Ophthalmology, 1995-00

Advisory Board, UCSF Refractive Surgery Center  
University of California, San Francisco, 1996-00

Ophthalmology Leadership Council  
California Pacific Medical Center  
San Francisco, 1996-99

## **LANGUAGE SKILLS**

Spanish (fluent written and spoken)

## **BOARD CERTIFICATION**

Diplomate, National Board of Medical Examiners 1991  
Diplomate, American Board of Ophthalmology 1997  
Diplomate, American Board of Ophthalmology 2007

## **LICENSURE**

California Physician License # G 078840

## **SOCIETY MEMBERSHIPS**

American Academy of Ophthalmology, 1992-Present

International Society of Refractive Surgery, 2004

The Cornea Society, 2004 - present

Christian Medical & Dental Society, 1985

American Medical Association, 1987-1990

Association for Research in Vision and Ophthalmology  
1988-1994

Florida Society of Ophthalmology, 1992-1995

Christian Ophthalmology Society, 1993

Contact Lens Association of Ophthalmologists  
1993-99

Ocular Microbiology and Immunology Group, 1995

San Francisco Medical Society, 1995

Max Fine Cornea Society, 1996-present

### **PROFESSIONAL SERVICES**

Reviewer for *American Journal of Ophthalmology*

Reviewer for *Cornea*

### **RESEARCH EXPERIENCE**

Research Assistant, Haverford College  
Protein Chemistry, 1985-1986

Research Assistant, Molecular Biology Division  
Beckman Research Institute of the City of Hope  
Duarte, California, 1986

Research Assistant, Estelle Doheny Eye  
Foundation and USC School of Medicine  
Department of Ophthalmology, 1988-1990

Corneal wound healing research  
University of Florida  
Department of Ophthalmology, 1992-1994

Principle Investigator, Inspire Pharmaceuticals  
FDA Dry Eye Study INS365  
Pacific Eye Associates  
San Francisco, California, 2001

## MAJOR RESEARCH AND CLINICAL INTERESTS

1. Complications of laser refractive surgery
2. The effect of growth factors on corneal wound healing
3. Infectious keratitis

## PUBLICATIONS

### ARTICLES PUBLISHED

1. Wolfe KA. Vitamin A Deficiency and Third World Blindness. *USC Journal of Medicine* 1990;4:7
2. Wolfe KA and Sadun AA. Threshold Amsler Grid Testing in Diabetic Retinopathy. *Graefe's Archive Ophthalmology* 1991;229:219-223
3. Schultz GS, Khaw PT, Oxford KW, Macauley S, Van Setten G, Chegini N. Growth Factors and Ocular Wound Healing. *Eye* 1994;8:184-187
4. Oxford KW, Abbott RL, Fung WE, Ellis DS. Aspergillus Endophthalmitis After Sutureless Cataract Surgery. *Am J Ophthalmol* 1995;120:534-535
5. Oxford KW. Untruth and Consequences (Complications of RK Surgery). *Argus* October 1995
6. Oxford KW. Untruth and Consequences (Complications of RK Surgery). *Ophthalmic Risk Management and Claims Desk Reference*, Ophthalmic Mutual Insurance Corporation, San Francisco, 1996
7. Penrose PJ, Tzekov R, Sutter EE, Fu AD, Allen AW, Fung WE, Oxford KW. Multifocal Electroretinography Evaluation for Early Detection of Retinal Dysfunction in Patients Taking Hydroxychloroquine. *Retina* 2003;23:503-12.
8. Fung A, Oxford KW. Microwave-Superheated Vics Vapo Rub: An Ocular Public Health Danger. *Am J Ophthalmol* 2004;137:379-380
9. Callanan D, Scott IU, Murray TG, Oxford KW, Bowman CB, Flynn HW Jr. Early Onset Endophthalmitis Caused by Aspergillus Species Following Cataract Surgery. *Am J Ophthalmol*. 2006 Sep;142(3):509-11.

## PRESENTATIONS AT NATIONAL AND INTERNATIONAL SCIENTIFIC MEETINGS

1. Wolfe KA and Sadun AA. Threshold Amsler Grid Testing in Diabetic Retinopathy. Association for Research in Vision and Ophthalmology, Sarasota, Florida. 1989
2. Wolfe KA and Sadun AA. Threshold Amsler Grid Testing in Diabetic Retinopathy. LAC-USC Medical Grand Rounds, Los Angeles, California. 1989
3. Wolfe KA, Sadun AA, Kitridou RC. The Detection of Hydroxychloroquine Maculopathy with Threshold Amsler Grid Testing. Association for Research in Vision and Ophthalmology, Sarasota, Florida. 1990
4. DuBois LG, Wolfe KA, Sadun AA, Sebag J. Retinal Function in Non-proliferative Diabetic Retinopathy. Association for Research in Vision and Ophthalmology, Sarasota, Florida. 1990
5. Charles MA, Sebag J, Wolfe KA, Sadun AA, Abe J. Color Vision and Ocular Blood Flow in Non-proliferative Diabetic Retinopathy. Association for Research in Vision and Ophthalmology, Sarasota, Florida. 1990
6. Wolfe KA, Sebag J, Sadun AA, DuBois LG, Brown S, Tang M, Charles MA. Effects of Pentoxifylline on Ocular Blood Flow in Non-proliferative Diabetic Retinopathy. Association for Research in Vision and Ophthalmology, Sarasota, Florida. 1991
7. Oxford KW, Balch KC, Schultz GS, van Setten GB, Stern GA. Effects of TGF- $\beta$  on the Re-epithelialization and Tensile Strength of Corneal Wounds. Association for Research in Vision and Ophthalmology, Sarasota, Florida. 1993
8. Webster RG, Oxford KW. Discussion of "The outcome of combined penetrating keratoplasty and trabeculectomy." American Academy of Ophthalmology, San Francisco, California, November 1994.

## ABSTRACTS PUBLISHED

1. Wolfe KA and Sadun AA. Threshold Amsler Grid Testing in Diabetic Retinopathy. *Invest Ophthalmol Vis Sci* 1989;30(suppl):435
2. Wolfe KA and Sadun AA. Threshold Amsler Grid Testing in Diabetic Retinopathy. *USC Journal of Medicine* 1989;3:16-17
3. Wolfe KA, Sadun AA, Kitridou RC. The Detection of Hydroxychloroquine Maculopathy with Threshold Amsler Grid Testing. *Invest Ophthalmol Vis Sci* 1990;31(suppl):136

4. DuBois LG, Wolfe KA, Sadun AA, Sebag J. Retinal Function in Non-proliferative Diabetic Retinopathy. *Invest Ophthalmol Vis Sci* 1990;31(suppl):126
5. Charles MA, Sebag J, Wolfe KA, Sadun AA, Abe J. Color Vision and Ocular Blood Flow in Non-proliferative Diabetic Retinopathy. *Invest Ophthalmol Vis Sci* 1990;31(suppl):130
6. Sebag J, Sadun AA, Wolfe KA, Abe J. Physiologic and Functional Profiles of Early Diabetic Retinopathy. *Diabetes* 1990;39(suppl):192A
7. Wolfe KA, Sebag J, Sadun AA, DuBois LG, Brown S, Tang M, Charles MA. Effects of Pentoxifylline on Ocular Blood Flow in Non-proliferative Diabetic Retinopathy. *Invest Ophthalmol Vis Sci* 1991;32(suppl):863
8. Oxford KW, Balch KC, Schultz GS, van Setten GB, Stern GA. Effects of TGF- $\beta$  on the Re-epithelialization and Tensile Strength of Corneal Wounds. *Invest Ophthalmol Vis Sci* 1993;34(suppl):1375

#### ARTICLES IN PREPARATION

1. Oxford KW, Abbott RL, Webster RG. Operating Microscope Thermal Keratopathy.
2. Oxford KW, Spencer W, Abbott R, Webster RG. Histology of *Acanthamoeba* keratitis after treatment with PHMB.
3. Oxford KW, et al. Pterygium Surgery. *Focal Points* 2008

#### CHAPTERS

1. Oxford KW, Abbott RL: "Infections after Penetrating Keratoplasty" (chapter), Krachmer J, Mannis MJ, and Holland E (Eds), Cornea. St. Louis: CV Mosby Co., 1996.
2. Jeng BH, Oxford KW, Abbott RL: "Infections after Penetrating Keratoplasty" (chapter), Krachmer J, Mannis MJ, and Holland E (Eds), Cornea. St. Louis: CV Mosby Co., 2005

## INVITED LECTURES

1. Fungal Endophthalmitis After Sutureless Cataract Surgery.  
Twelfth Annual Barkan Association, Berkeley, California, April 8, 1995.
2. Management of Common Eye Problems.  
Department of Obstetrics and Gynecology, California Pacific Medical Center,  
San Francisco, California, June 20, 1995.
3. *Acanthamoeba* Keratitis.  
Complications of Radial Keratotomy.  
The Use of Tissue Adhesives in Corneal Perforations.  
International Symposium of Ophthalmology, São Paulo, Brazil, May 31 to June 1, 1996
4. Corneal Complications of Herpes Zoster Ophthalmicus  
Stanford Basic Science Course, Stanford University, California, August 14, 1996
5. Common External Eye Problems  
Department of Internal Medicine, California Pacific Medical Center,  
San Francisco, California, February 19, 1997
6. Corneal Preservation  
Basic Principles of Refractive Surgery  
Corneal Complications of Herpes Zoster Ophthalmicus  
Stanford Basic Science Course, Stanford University, California, August 13, 1997
7. Basic Principles of Laser Refractive Surgery  
Department of Ophthalmology, California Pacific Medical Center,  
January 26, 1998
8. Ocular Allergy - The State of the Art  
Allergy Association of Northern California  
San Francisco, California, May 12, 1998
9. Corneal Preservation  
Corneal Complications of Herpes Zoster Ophthalmicus  
Stanford Basic Science Course, Stanford University, California, August 13, 1998
10. Ophthalmology for the Internist  
Department of Medicine Grand Rounds, California Pacific Medical Center  
San Francisco, California, September 29, 1998

11. Management of Common Eye Problems  
Medical Staff Rounds, Saint Francis Medical Center  
San Francisco, California, February 16, 1999
12. Refractive Surgery: Photorefractive Keratectomy and LASIK  
Department of Medicine Grand Rounds, California Pacific Medical Center  
San Francisco, California, April 13, 1999
13. Corneal Preservation  
Basic Principles of Refractive Surgery  
Corneal Complications of Herpes Zoster Ophthalmicus  
Stanford Basic Science Course, Stanford University, California, August 10, 1999
14. Ophthalmology for the Internist  
Santa Rosa Memorial Hospital Grand Rounds  
Santa Rosa, California, February 4, 2000
15. Complications of Laser Refractive Surgery  
San Francisco Optometric Association  
San Francisco, California, June 27, 2000
16. Corneal Preservation  
Basic Principles of Refractive Surgery  
Corneal Complications of Herpes Zoster Ophthalmicus  
Stanford Basic Science Course, Stanford University, California, August 9, 2000
17. Cornea Coding Made Clear  
Practice Management Audioconference  
American Academy of Ophthalmology, September 7, 2000
18. LASIK Complications  
Indications for Amniotic Membrane grafting in Ocular Surface Disease  
Seventeenth Annual Barkan Society Meeting  
San Francisco, California, May 5, 2001
19. Corneal Preservation  
Amniotic Membrane in Ocular Surface Reconstruction  
Basic Principles of Refractive Surgery  
Corneal Complications of Herpes Zoster Ophthalmicus  
Stanford Basic Science Course, Stanford University, California, August 1, 2001

20. Infectious Keratitis  
San Francisco Cornea Symposium  
Pacific Vision Institute  
San Francisco, California, March 13, 2002
21. Ophthalmology for the Internist  
Department of Medicine Grand Rounds, California Pacific Medical Center  
San Francisco, California, March 20, 2002
22. Corneal Preservation  
Amniotic Membrane in Ocular Surface Reconstruction  
Basic Principles of Refractive Surgery  
Corneal Complications of Herpes Zoster Ophthalmicus  
Stanford Basic Science Course, Stanford University, California, July 31, 2002
23. Anterior Segment Photography: A Physician's Perspective  
Ophthalmic Photographer's Society  
San Francisco, California, August 3, 2002
24. The New Fluoroquinolones: Advantages and Indications  
Eighteenth Annual Barkan Society Meeting  
San Francisco, California, May 3, 2003
25. The New Fluoroquinolones: Advantages and Indications  
Blue Shield of California  
San Francisco, California, July 18, 2003
26. Corneal Preservation  
Amniotic Membrane in Ocular Surface Reconstruction  
Basic Principles of Refractive Surgery  
Corneal Complications of Herpes Zoster Ophthalmicus  
Stanford Basic Science Course, Stanford University, California, July 29, 2003
27. Surgical Management of Pterygium  
The New Fluoroquinolones: Advantages and Indications  
Bay Area Women in Ophthalmology Meeting  
Menlo Park, California, September 18, 2003
28. Ocular Infections and the New Fluoroquinolones  
UC Berkeley Practicum  
Berkeley, California, January 10, 2004

29. Ocular Infections and the New Fluoroquinolones  
San Francisco Optometric Society  
San Francisco, California, January 27, 2004
30. New Therapies for Dry Eye  
Sjögren's Syndrome Symposium  
California Pacific Medical Center  
San Francisco, California, April 3, 2004
31. Preventing Post-Operative Infections  
Women In Ophthalmology  
Berkeley, California, April 26, 2004
32. Preventing Post-Operative Infections  
Seattle, Washington, November 11, 2004
33. Diagnosis and Treatment of Ocular Allergies  
San Francisco Optometric Society  
San Francisco, California, February 22, 2005
34. Ocular Infections and the New Fluoroquinolones  
Optometric Educational Symposia  
Sacramento, California, February 23, 2005
35. Diagnosis and Treatment of Ocular Allergies  
San Mateo Optometric Society  
San Mateo, California, March 22, 2005
36. Diagnosis and Treatment of Ocular Allergies  
Allergy Update  
Las Vegas, Nevada, March 24, 2005
37. Diagnosis and Treatment of Ocular Allergies  
Pierce County Ophthalmology Society  
Tacoma, Washington, April 26, 2005
38. Real Facts on Ocular Allergy  
Allergy Update  
San Francisco, California, May 19, 2005
39. Ocular Aspects of Bioterrorism  
Nineteenth Barkan Symposium  
San Francisco, California, June 18, 2005

40. Use of NSAID Therapy to Maximize Surgical Outcomes  
Pacific Eye Associates Annual Meeting  
San Francisco, California, September 20, 2005
41. Use of NSAID Therapy to Maximize Surgical Outcomes  
Lafayette, California, September 27, 2005
42. Use of NSAID Therapy to Maximize Surgical Outcomes  
Department of Health Services  
State of California  
Sacramento, California, October 6, 2005
43. Use of NSAID Therapy to Maximize Surgical Outcomes  
San Diego, California, October 27, 2005
44. The Pediatric Red Eye  
Town & Country Pediatrics  
San Francisco, California, November 15, 2005
45. Use of NSAID Therapy to Maximize Surgical Outcomes  
Anaheim, California, December 1, 2005
46. Ocular Aspects of Bioterrorism  
Basics By the Bay  
San Francisco, California, December 3, 2005
47. Use of NSAID Therapy to Maximize Surgical Outcomes  
Alta Society Meeting  
Sacramento, California, January 26, 2006
48. Use of NSAID Therapy to Maximize Surgical Outcomes  
Phoenix, Arizona, February 23, 2006
49. Use of NSAID Therapy to Maximize Surgical Outcomes  
Kaiser Permanente Medical Group Webcast  
San Francisco, California, February 24, 2006
50. The Pediatric Red Eye  
Berkeley, California, March 28, 2006
51. Use of NSAID Therapy to Maximize Surgical Outcomes  
Portland, Oregon, March 30, 2006

52. Diagnosis and Treatment of Ocular Allergies  
Fresno, California, April 6, 2006
53. Use of NSAID Therapy to Maximize Surgical Outcomes  
Blue Shield of California  
San Francisco, California, April 25, 2006
54. Diagnosis and Treatment of Ocular Allergies and Dry Eye  
San Jose, California, April 25, 2006
55. Diagnosis and Treatment of Ocular Allergies and Dry Eye  
Walnut Creek, California, June 13, 2006
56. Ocular Aspects of Bioterrorism  
Department of Ophthalmology  
University of California, Irvine, June 22, 2006
57. Therapeutic Update to Maximize Surgical Outcomes  
Monterey, California, August 8, 2006
58. Therapeutic Update to Maximize Surgical Outcomes  
Santa Cruz, California, October 12, 2006
59. Overview of Ocular Surface Disorders  
Sacramento, California, October 19, 2006
60. Overview of Ocular Surface Disorders  
Helping Improve Therapeutic Success  
Tucson, Arizona, October 28, 2006
61. Overview of Ocular Surface Disorders  
San Francisco, California, November 1, 2006
62. Overview of Ocular Surface Disorders  
Oakland, California, November 6, 2006
63. Overview of Ocular Surface Disorders  
Palo Alto, California, December 5, 2006
64. Overview of Ocular Surface Disorders  
Fresno, California, December 7, 2006
65. Pediatric Red Eye  
Berkeley, California, January 18, 2007

66. Overview of Ocular Surface Disorders  
San Francisco, California, February 12, 2007
67. Overview of Ocular Surface Disorders  
Healdsburg, California, March 7, 2007
68. Ocular Allergy Update  
Palo Alto, California, March 13, 2007
69. Ocular Allergy Update  
San Francisco, California, March 14, 2007
70. Ocular Allergy Update  
Walnut Creek, California, March 28, 2007
71. Ocular Allergy Update  
Santa Rosa, California, April 4, 2007
72. Ocular Allergy Update  
Santa Clara County Optometric Society  
San Jose, California, May 17, 2007
73. Ocular Allergy Update  
Pacific Laser Eye Center  
Santa Rosa, California, June 26, 2007
74. Medications Update: Allergy and Dry Eye  
Pacific Vision Institute  
Burlingame, California, October 17, 2007
75. Diagnosis and Treatment of Red Eye  
California Pharmacists Association Forum  
Sacramento, California, February 6, 2008
76. Ocular Allergy Update  
Cupertino, California, March 13, 2008
77. Ocular Allergy Update  
Portland, Oregon, April 29, 2008
78. Ocular Allergy Update  
Fresno, California, May 13, 2008