

CURRICULUM VITAE

Steven E. Wilson, M.D.

Professor of Ophthalmology
Director of Corneal Research
Cornea and Refractive Surgery Fellowship Director
Staff Refractive and Corneal Surgeon
[Cole Eye Institute](#)
[The Cleveland Clinic](#)

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Education:

1974 B.A. (Biology) California State University, Fullerton, Calif.
1977 M.S. (Molecular Biology and Biochemistry) Graduate School, University of California, Irvine
1984 M.D. University of California, San Diego

Postgraduate Training:

1984-1985 Internship Internal Medicine, Cedars-Sinai Medical Center, Los Angeles, Calif.
1985-1988 Residency in Ophthalmology, Mayo Clinic, Rochester, Minn.
1988-1990 Cornea, External Disease, and Refractive Surgery Fellowship, Herbert E. Kaufman, M.D., Marguerite B. McDonald, M.D., Stephen D. Klyce, Ph.D., Louisiana State University Eye Center, New Orleans.

Faculty Positions Held:

1977-1980 Instructor of Biology and Chemistry, Rio Hondo College, Whittier, Calif.
1990-1995 Assistant Professor, Department of Ophthalmology, University of Texas Southwestern Medical Center, Dallas, Texas
1995 Associate Professor with Tenure, Department of Ophthalmology, University of Texas Southwestern Medical Center, Dallas, Texas
1995-1998 Staff Ophthalmology, The Cleveland Clinic Foundation, Cleveland, Ohio
1995-1998 Medical Director of Refractive Surgery, The Cleveland Clinic Foundation, Cleveland, Ohio
1995-1998 Professor of Cell Biology, Neurobiology, and Anatomy. The Cleveland Clinic Foundation Health Sciences Center of the Ohio State University.
1998-2003 Professor and Chair, Department of Ophthalmology, University of Washington, Seattle.

2000-2003	Adjunct Professor, Department of Biological Structure, University of Washington, Seattle.
2001-2003	Grace E. Hill Endowed Chair in Vision Research, University of Washington
2003-present	Director of Corneal Research, Staff Cornea and Refractive Surgery, The Cole Eye Institute, The Cleveland Clinic
2005-present	Professor of Ophthalmology, The Cleveland Clinic School of Medicine
2006-present	Director Cornea and Refractive Surgery Fellowship Program, The Cole Eye Institute, The Cleveland Clinic

Hospital Positions Held:

1990-1995	Active Medical Staff, University of Texas Southwestern Medical Center, Dallas.
1990-1995	Active Medical Staff, Parkland Memorial Hospital, Dallas, Texas.
1990-1995	Active Medical Staff, Zale Lipshy Hospital, Dallas, Texas.
1990-1995	Active Medical Staff, Veterans' Affairs Medical Center, Dallas, Texas.
1995-1998	Medical Director, The Cleveland Clinic Foundation–Eye Laser Center, Cornea and External Disease Staff, Research Staff, Eye Institute and the Department of Cell Biology, The Cleveland Clinic Foundation, Cleveland, Ohio
1995-1998	Active Medical Staff, The Cleveland Clinic, Cleveland, Ohio
1998-2003	Active Medical Staff, University of Washington Medical Center, Seattle
1998-2001	Medical Director, University of Washington Eye Center, Seattle.
1998-2003	Medical Director, University of Washington Refractive Surgery Center, Seattle.
1998-2003	Associate Medical Staff, Harborview Medical Center, Seattle, Wash.
2001-2003	Associate Member, Seattle Cancer Care Alliance, Fred Hutchinson Cancer Research Center, Seattle, Washington.
2003-date	Staff, Cleveland Clinic Foundation, Cleveland, Ohio
2006-date	Professor of Ophthalmology, Cleveland Clinic School of Medicine

Honors and awards:

- Fisons Travel Grant Award, CLAO (1990)
- Fight For Sight/National Society to Prevent Blindness Grant-in-Aid (1991)
- Research to Prevent Blindness William and Mary Greve International Research Scholar (July 1, 1992– February 1, 1994)
- Top 2% of physicians as judged by other physicians in *The Best Doctors of America* (Steven Naifeh and Gregory W. Smith, eds.), © 1994 Woodward/White.
- Manpower Award, Research to Prevent Blindness (July 1, 1994-June 30, 1995)
- Honor Award, American Academy of Ophthalmology (1995)
- Named Everett-Kinsey Lecturer for 1998 CLAO Meeting
- Chancellor's Award in Neuroscience & Eye Research, Louisiana State University Health Sciences Center, School of Medicine, New Orleans, La. (September 2000)
- Best of Show Award 2000, American Academy of Ophthalmology Annual Meeting, Dallas, TX, Rosan Choi, MD and Steven E. Wilson, MD "How to lift the flap to re-zap in a snap."
- Association for Research in Vision and Ophthalmology (ARVO), Elected to Board of Trustees Cornea Section Representative (2001-2006)
- Irvine Memorial Lecture. Doheny Eye Institute Annual Meeting, May, 2002, Los Angeles, Calif.

- Best of Show Award 2002, American Academy of Ophthalmology Annual Meeting, Orlando, FL, Renato Ambrosio, MD, Marcelo Netto, MD, Steven E. Wilson, MD “The relevance of corneal wound healing for refractive surgery.”
- Elected to American Ophthalmological Society, 2002
- Senior Honor Award, American Academy of Ophthalmology, 2004
- Best in Show, Wound healing in the cornea, Video, ASCRS, 2005
- Association for Research in Vision and Ophthalmology (ARVO), Vice-president (2005-2006)
- America’s Top Doctors, 2004-2011, Castle Connolly Guides, top 1% of medical specialists in America
- National Republican Congressional Committee, Congressional Order of Merit, 2005
- Best Doctors in America (2003-2011)
- 50 Most Influential Doctors, Cataract and Refractive Surgery Today, May 2006
- Lans Distinguished Lecturer Award, International Society of Refractive Surgery-American Academy of Ophthalmology, 2006
- Distinguished Service Award, Association for Research in Vision and Ophthalmology, 2007
- Physician-scientist Award, 2007, Research to Prevent Blindness, New York, NY
- Plenary Lecture, Asia-ARVO, Singapore, March 2007
- Tom Casey Memorial Lecturer, Dublin, Ireland, October 2007
- Horizons Grant Award for Fellow Training, 2007-2009
- ARVO Gold Fellow, honor recognizing individual accomplishment, leadership and contributions in ARVO (28 of 11,500 members named Gold Fellows of ARVO in 2009)
- Annual W. Bruce Jackson Lecture Award, Canadian Cornea Society, Canadian Ophthalmological Society, Toronto, Canada, June, 2009
- Lifetime Presidential Award, ISRS-AAO, San Francisco, CA, October 2009 For lifetime contributions to refractive surgery and vision research
- Jose Ignacio Barraquer Award at the 11th International Congress of Cataract and Refractive Surgery, Natal, Brazil, May 19, 2010
- Cleveland Clinic, Innovators Award, October 2010
- Best of Show Video Award 2011, American Academy of Ophthalmology Annual Meeting, Orlando, FL, Marcony Santhiago, Marcelo Netto, Brian K Armstrong, Beatriz De Abreu Fiuza Gomes, David Smadja, and Steven E. Wilson, MD “Mitomycin C in refractive surgery: Why, when and for how long, the quest for optimal parameters.”
- US News Top Doctors, recognized as top 1% of clinicians in ophthalmology in USA, July, 2011
- Qualified and listed at [Trusted LASIK Surgeons](#), an online directory of LASIK and cataract surgery experts that screens all surgeons featured in its directory based upon professional experience, accomplishments and patient care standards.

Board Certification:

Diplomate, American Board of Ophthalmology (1990)

Current Licensure:

Ohio (2003-date)

Professional Memberships:

- *American Ophthalmological Society* (2002-date)
- *American Academy of Ophthalmology* (AAO) (1985-date)
 - Executive Board, ISRS-RSIG Group, 1999-2006, ex-officio, 2007-2008
 - ISRS-AAO Program Planning Committee, 2005-2006, chairman, 2006
 - Chair of the Program Committee of the ISRS-AAO, 2006
 - ISRS-AAO Program Committee, 2006-2009
 - Annual Meeting Program Committee, 2001-2005
- *Association for Research in Vision and Ophthalmology* (ARVO)
 - Long-Range Planning Committee, 1999-2004
 - Chair of Meeting Site Committee, 1999-2001
 - Program Planning Committee, Cornea Section (1993 to 1995; Chair 1995)
 - Board of Trustees, Cornea Section Representative, 2001 to 2006
 - Vice President, 2005-2006
 - Finance Committee, 2005-2006
 - Publications Committee, Chairman, 2009 to 2012
- *Castroviéjo Cornea Society*
 - Executive Board, 1999-2003
- *American Society of Cataract and Refractive Surgery* (ASCRS)
- *International Society for Eye Research* (ISER)
 - Councilor - North America, 2010-2014

Editorial Responsibilities:

- Co-editor, Special Corneal Topography Issue, *Refractive and Corneal Surgery*, 1989.
- Editorial Board, *Journal of Refractive Surgery*, 1994-date
- Editorial Board, *Experimental Eye Research*, 1995-date
Section Editor, 1999-date
- Editorial Board, *Investigative Ophthalmology & Visual Science*, 1997-2002, 2007 to present
- Editorial Board, *Cornea*, 1998-date
- Advisory Board, *EyeNet*, 1999-2007
- Chief Medical Editor, *Review of Refractive Surgery*, 2000-2005
- Co-editor, *The Journal of Toxicology—Cutaneous and Ocular Toxicology*, 2002-date
- Editor *Ophthalmology Update*, Cole Eye Institute, The Cleveland Clinic Foundation, 2003 to date
- Editorial Board, *Clinical and Surgical Ophthalmology*, 2005 to date

National/International Responsibilities:

- NATIONAL INSTITUTES OF HEALTH
 - Ad hoc VISC Study Section, 1998-date
 - Recombinant DNA Advisory Committee, NIH, ad hoc reviewer, 2002
 - Working Group member, Review of Bioengineering and Technology and Instrumentation, 2002

- Development Research, Centers for Scientific Review, 2000-2001
- Corneal Diseases Long-range plan panel, National Eye Institute, May 2003
- ZRG1 BDCN-E Study Section, ad hoc, May 2007
- BDPE Study Section, ad hoc, 2007
- AED special study section, ad hoc, September 2007
- NEI Special Study Section, K-24 grants, March 2008
- NEI Special Study Section, BDCN, December 2010
- OCULAR CELL AND MOLECULAR BIOLOGY SYMPOSIUM, Founder and Organizing Committee Chair:
 - Dallas, Texas (October 17-18, 1992)
 - San Diego, Calif. (August 20-22, 1995)
 - Tammaron, Colo. (January 7-12, 1997) (Keystone Symposium)
 - Keystone, Colo. (February 5-10, 1999) (Keystone Symposium)
 - OCMB-ARVO, September 8-10, 2005, Sarasota, Florida.
 - OCMB-ARVO, September 8, 2007, Sarasota, Florida.
- SECOND INTERNATIONAL CONFERENCE ON THE LACRIMAL GLAND, Organization and Program Committee, "Tear Film, and Dry Eye Syndromes: Basic Science and Clinical Relevance" (11/96)
- SUMMIT LASER CENTERS OF EXCELLENCE, Advisory Council (2/96-9/98)
- WORLD CONGRESS OF CORNEA
 - Session Organizer, Corneal Molecular Biology, Orlando, Fla. (4/96)
 - Session Organizer, Corneal Molecular Biology/Wound Healing, Washington D.C. (4/2004)
- ZALE LIPSHY HOSPITAL, University of Texas Southwestern Medical Center, Utilization Review Committee (1/93-9/95)
- Tissue Banks International, Scientific Advisory Committee (2001-2008)
- National Keratoconus Foundation, Medical Advisory Board, (1999 to date)
- EYE BANK ASSOCIATION OF AMERICA
 - Research Committee, (1991-1992)
- FIGHT FOR SIGHT, Grant Review Panel (1994-96)
- INTERNATIONAL SOCIETY OF EYE RESEARCH
 - Session Organizer, Corneal Wound Healing and Growth Factors, Yokohama, Japan (9/96)
 - Cornea Section Organizer, Santa Fe, N.M. (1998-2000)
 - Session Organizer, Corneal wound healing, Geneva, Switzerland, 2002
 - Cornea Section Organizer, Beijing, China, 2008
 - Cornea Section Organizer, Montreal, Canada, 2010
 - North American Councilor, 2010-present
- WORLD OPHTHALMOLOGY CONGRESS
 - Session organizer, Sao Paulo, Brazil, 2006
 - Session organizer, Hong Kong China, 2008
 - Session organizer, Berlin, Germany, 2010
- TEAR FILM & OCULAR SURFACE SOCIETY (TFOS)
 - Medical and Scientific Advisory Board (2001-2007)

- Co-Chairperson 4th International Conference of the Lacrimal Gland, Tear Film, Ocular Surface and Dry Eye Syndromes: Basic Science and Clinical Relevance, Puerto Rico, Nov. 17-20, 2004
- Dysfunctional Tear Syndrome Study Group, Wilmer Eye Institute, 10/17/03
- CLEVELAND OPHTHALMOLOGICAL SOCIETY. Co-organizer February 15, 2011 corneal scientific session with Yaron Rabinowitz
- Gordon Research Conference, Biology and Pathobiology of the Cornea; events in the anterior eye, Co-organizer with Shukti Chakravarti, Ph. D., Ventura, CA, March 7-12, 2010

Medical Center or Medical School Committees:

- *University of Washington Eye Center*
Medical Director, 1998-2001
- *Medical Staff Administrative Committee (MSAC)*, 1999-2001
- *Director of Refractive Surgery Center*, 1998-2003
- *Department of Ophthalmology*
Residency Program Director, 1999-2001
- *Medical School Executive Committee (MSEC)*, 1998-2003
- *University of Washington Physicians (UWP)*
Board of Trustees, 1998-2003
- *Ambulatory Surgery and Treatment Pavilion Programming Committee* (1999-2003)
- *UWMC Board Joint Conference Committee* (1999-2003)
- *Surgical Services Steering Committee* (1999-2003)
- *Biological Structure Search Committee* (1999-2003)
- *UWP Eastside Specialty Center, Business Oversight Committee* (2001-2003)
- *Academic Medical Center Marketing Committee* (2002- 2003)
- *Clinical Research Division Committee*, The Cleveland Clinic Foundation (2004 to date)

Clinical Trials:

- P.I., "Photorefractive keratectomy for hyperopia," Summit Technologies. (5/96-9/98)
- P.I., LASIK, IRB-approved clinical trials, The Cleveland Clinic Foundation
- Consultant, Restasis Phase III Clinical Trial, (1994 to present)
- Domestic Advisors Panel, VISX, 1998 to 2003

Surgical and Medical Skills:

- Cornea, external disease, and cataract
- Refractive Surgery, Excimer laser photorefractive keratectomy (PRK) • Laser-assisted *in situ* keratomileusis (LASIK) • Femtosecond laser flaps • Laser-assisted epithelial keratomileusis (LASEK), Astigmatic keratotomy (AK) • Excimer laser phototherapeutic keratectomy (PTK)
- Certified Surgeon Trainer of LASIK and PRK for the VISX Excimer Laser (1999-date)

Patents:

Methods and treatments for corneal healing with hepatocyte and keratinocyte growth factors,
U.S. Patent #5,589,451, issued 12/31/96.

Methods and treatments for corneal healing with growth factors. U.S. Patent #5,703,047, issued
07/30/97.

Sources of Support:*a. ACTIVE*

- **RO1 EY10056-15 (PI: Wilson)** Project Period: 1/1/93 – 6/30/15 50% effort
- Source: NIH/National Eye Institute Annual Direct Costs: \$250,000
- Title: Corneal Epithelial Cell Growth Factors and Receptors

b. PREVIOUS FUNDING:

- **P30 EY01730 (PI: Wilson SE)** Project Period: 6/1/01 – 5/31/06
- Source: NIH/NEI Annual Direct Costs: \$500,000
- Title: Vision Research Center (CORE)

- **No Grant Number (PI: Wilson)** Project Period: 2/1/99 – 1/31/03
(Co-PI: Mohan, Rajiv R.)
- Source: Johns Hopkins CAAT Annual Direct Costs: \$26,087
- Title: Development of Reversibly Transformed Human Corneal Epithelial Cells as an Optimal *In Vitro* Model

- **R01 CA64871 (PI: Wilson)** Project Period: 9/30/94 – 9/29/98
- Source: National Cancer Institute
- Title: Stromal-Epithelial Interactions in Breast Cancer

- **R01 EY03979 (PI: Wilson)** Project Period: 1/1/92 – 12/31/94 • Source:
NIH/National Eye Institute
- Title: Corneal Endothelial Cell Growth and Senescence [*combined with EY10056 after 1/95*]

Teaching/Training Accomplishments:

Residency program director, Department of Ophthalmology, University of Washington, Seattle, WA, 1999 to 2001

Cornea and Refractive Surgery Fellowship Director, The Cole Eye Institute, The Cleveland Clinic Foundation, Cleveland, OH, 2003-present

Clinical/research refractive-cornea fellows trained:

Jaime Ruiz-Montenegro, MD, 1992-1993, U.T. Southwestern, currently in private practice in Monterey, Mexico

Carlos M. Mafra, M.D., 1993-1995, U. T. Southwestern, currently private practice in Belo Horizonte, Brazil

Marco Helena, M.D., 1995-1997, Department of Ophthalmology, Cleveland Clinic Foundation, currently private practice in Sao Paolo, Brazil

Manasvee Kapadia, M.D., 1996-1998, Department of Ophthalmology, Cleveland Clinic Foundation, went on to complete residency in ophthalmology at the University of Washington, Seattle, WA and is currently in private practice in Cleveland, OH with appointment at VA Hospital in Cleveland.

Sujal Shah, M.D., 1997-1998, Cleveland Clinic Foundation, currently Clinical Assistant Professor in Mumbai, India

Woo-Jung Kim, MD, 1995-1997, Department of Ophthalmology, Cleveland Clinic Foundation, Samsung Hospital, **Seoul**, South **Korea**

Mark Walker, M.D., 1998-1999, Department of Ophthalmology, University of Washington, currently group practice in Seattle, WA.

Rosan Choi, M.D., 1999-2000, Department of Ophthalmology, University of Washington, currently group practice in Richmond, VA

Jong-Wook Hong, M.D., Ph.D., 1998-2000, Department of Ophthalmology, University of Washington, Seattle, WA. Currently assistant professor Department of Ophthalmology, Korea University, Seoul, Korea

Jong-Soo Lee, M.D., Ph.D., 1999-2000, Department of Ophthalmology, University of Washington, Seattle, WA. Currently assistant professor Department of Ophthalmology, Research Institute of Medical Science College of Medicine, Pusan National University, Korea

Renato Ambrosio, Jr., M.D., 2000-2003, Department of Ophthalmology, University of Washington, currently Instructor Cornea and Cataract Departments, Instituto Benjamin Constant, Rio De Janeiro, Brazil

Laura M. Periman, M.D., 2002-2003, Department of Ophthalmology, University of Washington, currently in private practice in Seattle, WA

Maria Regina Chalita, M.D., 2003 –2004, The Cleveland Clinic Foundation, Currently Assistant Professor of ophthalmology in Brasilia, Brazil

Marcelo Netto, M.D., 2002-2005, Department of Ophthalmology, University of Washington and The Cleveland Clinic Foundation, Assistant Professor, University of Sao Paolo, Sao Paolo, Brazil, Troutman Award Winner, 2006

William J. Dupps, M.D, Ph.D., 2004-2006, Currently Associate Staff of Ophthalmology at The Cleveland Clinic, Cleveland OH

Chikako Sato, M.D., 2006-2007, Assistant Professor, Tokyo Women's Medical University, Tokyo, Japan

Fabricio Medeiros, M.D., 2006-2008, currently Assistant Professor, University of Sao Paolo, Sao Paolo, Brazil

Jerome Ramos-Esteban, MD, 2006-2008, in private practice in Miami, Florida.

Andrew Esposito, MD, 2008-2009, Cleveland Clinic Foundation and private practice in North Ohio

Marcella Q. Salomão, MD, 2008 to 2010, Instituto de Olhos Renato Ambrosio, Rio de Janeiro, Brazil.

Ricardo Sepulveda, MD, 2008-2009, private practice in Houston, TX

Ravi Shah, MD, 2009-2010, private practice, Portland, Maine

Homaan Homani, MD, 2009-2010, private practice, Toledo, OH

Brian Armstrong, MD, 2010-2011, currently cornea & refractive specialist, Mid-Atlantic Permanente Medical Group, Largo, MD

Edgar Espana, MD, 2010-2011, assistant professor, USF Eye Institute, University of Florida, Tampa

Research fellows trained:

Qian Li, M.D., 1993-1994, U.T. Southwestern

Rajiv Mohan, Ph.D., postdoctoral fellow, Department of Cell Biology, Cleveland Clinic Foundation 1995-1998 and Department of Ophthalmology, University of Washington, 1998-2001, became research assistant professor Department of Ophthalmology, University of Washington 2001-2003 and currently assistant professor of ophthalmology, University of Missouri, June 2006 received 150 score and 10.7 percentile on first R01 application

Qianwa. Liang, Ph.D., Project scientist, Department of Cell Biology, Cleveland Clinic Foundation 1995-1998. Postdoctoral fellow at UCLA

Janice J. Liu, Ph.D., postdoctoral fellow, Department of Cell Biology, Cleveland Clinic Foundation 1996-1998 and Department of Ophthalmology, University of Washington, 1998-2001. Currently postdoctoral fellow in Department of Biological Structure at University of Washington, Seattle, WA

Jong-Wook Hong, M.D., Ph.D., 1998-2000, Department of Ophthalmology, University of Washington, Seattle, WA. Currently assistant professor Department of Ophthalmology, Korea University, Seoul, Korea

Jong-Soo Lee, M.D., Ph.D., 1999-2000, Department of Ophthalmology, University of Washington, Seattle, WA. Currently assistant professor Department of Ophthalmology, Research Institute of Medical Science College of Medicine, Pusan National University, Korea

Michael Stapleton, M.D., 2005-2006, Cole Eye Institute, The Cleveland Clinic Foundation, Cleveland, OH. Currently resident in ophthalmology, Univ. of Nebraska

Harmeet Kaur, Ph.D, 2006-2008, Cole Eye Institute, The Cleveland Clinic Foundation, Cleveland, OH. Currently post-doctoral fellow Dept. of Cell Biology, UCLA

Shyam S. Chaurasia. Ph.D, 2006-2009, Project Scientist, Wilson Lab, Cole Eye Institute, The Cleveland Clinic Foundation, Cleveland, OH. Currently Assistant Professor, Singapore Eye Research Institute

Flavia Barbosa, Ph.D., 2009-2011, Research fellow, Wilson Lab, Cole Eye Institute, Currently Assistant Professor University of Sao Paolo, Brazil

Bibliography

A. PUBLISHED PAPERS:

1. **Wilson SE**, Brubaker RF: Neodymium-YAG laser damage threshold: A comparison of injection-molded and lathe-cut polymethylmethacrylate intraocular lenses. *Ophthalmology* 1987;94:7-11.
2. **Wilson SE**, Bourne WM: Effect of topical dexamethasone on corneal endothelial function in Fuchs' dystrophy. *Invest Ophthalmol Vis Sci* 1988;29:357-61.
3. **Wilson SE**, Bourne WM: Fuchs' dystrophy. *Cornea* 1988;7:2-18.
4. Kerstetter JR, Brubaker RF, **Wilson SE**, Kullerstrand J: Prostaglandin F_{2-alpha}-1-isopropylester lowers intraocular pressure without decreasing aqueous humor flow. *Am J Ophthalmol* 1988; 105:30-4.
5. **Wilson SE**, Bourne WM, O'Brian P, Brubaker RF: Corneal endothelial function and aqueous flow in Fuchs' dystrophy. *Am J Ophthalmol* 1988;106:270-8.
6. **Wilson SE**, Bourne WM: Conjunctival Z-plasty in the treatment of pterygium. *Am J Ophthalmol* 1988;106:356-7.
7. **Wilson SE**, Garrity A, Bourne WM: Edema of the corneal stroma induced by cold in trigeminal neuropathy. *Am J Ophthalmol* 1988;107:52-9.
8. **Wilson SE**, de Groen P, Aksamit AJ, Wiesner RH, Garrity J, Krom RAF: Cyclosporine-induced reversible cortical blindness. *J Clin Neuroophthalmol* 1988;8:215-20.

9. **Wilson SE**, Bourne WM: Corneal preservation. *Surv Ophthalmol* 1989;33:237-59.
10. **Wilson SE**, Bourne WM, Maguire LJ, Rahhal FM, Ribaud RK, Kerutzer DL, O'Rourke J: Aqueous humor composition in Fuchs' dystrophy. *Invest Ophthalmol Vis Sci* 1989;30:449-53.
11. **Wilson SE**, Bourne WM: Effect of graft disparity on refractive error and corneal curvature after penetrating keratoplasty for keratoconus. *Ophthalmology* 1989;96:299-304.
12. Klyce SD, **Wilson SE**: Imaging, reconstruction, and display of corneal topography. *SPIE Proceedings* 1989;1161:409-16.
13. Dingeldein SA, Klyce SD, **Wilson SE**: Quantitative descriptors of corneal shape from computer-assisted analysis of photokeratographs. *Refract Corneal Surg* 1989;5:372-8.
14. Klyce SD, **Wilson SE**: Methods of analysis of corneal topography. *Refract Corneal Surg* 1989;5:368-71.
15. Klyce SD, **Wilson SE**, Kaufman HE: Editorial: Corneal topography comes of age. *Refract Corneal Surg* 1989;5:359-61.
16. Lin DTC, **Wilson SE**, Reidy JJ, Klyce SD, McDonald MB, Insler MS, Kaufman HE: Topographic changes that occur with 10-0 running suture removal following penetrating keratoplasty. *Refract Corneal Surg* 1989;6:21-5.
17. **Wilson SE**, Lin DTC, Klyce SD, Reidy JJ, Insler MS: Contact lens-induced changes in corneal topography. *Ophthalmology* 1990;7:734-44.
18. **Wilson SE**, Kaufman HE: Graft failure after penetrating keratoplasty. *Surv Ophthalmol* 1990;34:325-56.
19. **Wilson SE**, Bannan RA, McDonald MB, Kaufman HE: Corneal trauma and infection caused by manipulation of the eyelashes after application of mascara. *Cornea* 1990;9:181-2.
20. **Wilson SE**, Lin DTC, Klyce SD, Isler MS: The corneal topography of Terrien's marginal degeneration. *Refract Corneal Surg* 1990;6:15-20.
21. **Wilson SE**, Klyce SD: Quantitative descriptors of corneal topography: A prospective clinical study. *Arch Ophthalmol* 1990;109:349-53.
22. Lin DTC, **Wilson SE**, Reidy JJ, Kaufman HE, McNeill JJ: An adjustable single running suture technique to reduce postkeratoplasty astigmatism. A preliminary report. *Ophthalmology* 1990;97:934-8.
26. **Wilson SE**, Lin DTC, Klyce SD, Reidy JJ, Insler MS: Rigid contact lens decentration: A risk factor for corneal warpage. *CLAO Journal* 1990;16:177-82.
23. **Wilson SE**, Klyce SD: The topography of keratoconus. *Cornea* 1991;10:2-8.
24. **Wilson SE**, Klyce SD: Advances in the analysis of corneal topography. *Surv Ophthalmol* 1991;35: 269-77.

25. **Wilson SE**, Klyce SD, McDonald MB, Liu JC, Kaufman HE: Changes in corneal topography after excimer laser photorefractive keratectomy for myopia. *Ophthalmology* 1991;98:1338-47.
27. **Wilson SE**, Lloyd SA, Kennedy RH: Epidermal growth factor messenger RNA production in human lacrimal gland. *Cornea* 1991;10:519-24.
28. **Wilson SE**: Lacrimal gland epidermal growth factor production and the ocular surface. [Editorial] *Am J Ophthalmol* 1991;6:763-5.
29. **Wilson SE**, Lloyd SA: Epidermal growth factor and its receptor, basic fibroblast growth factor, transforming growth factor beta-1, and interleukin-1 alpha messenger RNA production in human corneal endothelial cells. *Invest Ophthalmol Vis Sci* 1991;32:2747-56.
30. **Wilson SE**, Lloyd SA, Kennedy RH: Basic fibroblast growth factor (FGFb) and epidermal growth factor (EGF) receptor messenger RNA production in human lacrimal gland. *Invest Ophthalmol Vis Sci* 1991;32:2816-20.
31. **Wilson SE**, Lloyd SA, Lloyd WC: Two-dimensional gel electrophoretic comparison of endothelial cell-Descemet's membrane proteins in Fuchs' dystrophy and normal corneas. *Cornea* 1992;11: 315-18.
32. **Wilson SE**, Verity SM, Conger DL: Accuracy and precision of the corneal analysis system and the topographic modeling system. *Cornea* 1992;11:28-35.
33. **Wilson SE**, Lloyd SA, He Y-G: EGF, basic FGF, and TGF beta-1 messenger RNA production in rabbit corneal epithelial cells. *Invest Ophthalmol Vis Sci* 1992;33:1987-95.
34. **Wilson SE**, Friedman R, Klyce SD: Molding corneal grafts: a preliminary uncontrolled study of contact lens induced manipulation of corneal topography after penetrating keratoplasty. *CLAO Journal* 1992;18:177-82.
35. **Wilson SE**, He Y-G, Lloyd SA: EGF, EGF receptor, basic FGF, TGF beta-1, and IL-1 alpha mRNA in human corneal epithelial cells and stromal fibroblasts. *Invest Ophthalmol Vis Sci* 1992;33:1756-65.
36. Ruiz-Montenegro J, Mafra CH, **Wilson SE**, Klyce SD, Mendelson EN: Corneal topographic alterations in normal contact lens wearers. *Ophthalmology* 1993;100:128-34.
37. **Wilson SE**, Lloyd SA, He Y-G: Fibroblast growth factor receptor-1 expression in human corneal cells. *Cornea* 1993;12:249-54.
38. **Wilson SE**, Lloyd SA, He Y-G, McCash C: Extended life of human corneal endothelial cells transfected with the SV40 large T antigen. *Invest Ophthalmol Vis Sci* 1993;34:2112-23.
39. **Wilson SE**, Lloyd SA, Kennedy RH: Fibroblast growth factor receptor-1, interleukin-1 receptor, and glucocorticoid receptor mRNA expression in human lacrimal gland. *Invest Ophthalmol Vis Sci* 1993;34:1977-82.

40. Maguire LJ, **Wilson SE**, Camp JJ, Verity SM: Evaluating the reproducibility of topographic systems on spherical surfaces. *Arch Ophthalmol* 1993;111:259-62.
41. **Wilson SE**, Klyce SD, Hussein ZM: Standardized color-coded maps for corneal topography. *Ophthalmology* 1993;100:1723-7.
42. **Wilson SE**, Walker JW, Chwang EL, He Y-G: Hepatocyte growth factor (HGF), keratinocyte growth factor (KGF), their receptors, FGF receptor-2, and the cells of the cornea. *Invest Ophthalmol Vis Sci* 1993;34:2544-61.
43. **Wilson SE**, Lee WM, Murakami C, Weng J, Moninger GA: Mooren's corneal ulcers and hepatitis C virus infection: A New Association. *N Engl J Med* 1993;329:62.
44. **Wilson SE**: The correction of myopia with phakic intraocular lenses. [Editorial] *Am J Ophthalmol* 1993;115:249-51.
45. **Wilson SE**, Klyce SD: Screening for corneal topographic abnormalities prior to refractive surgery. *Ophthalmology* 1994;101:147-52.
46. **Wilson SE**, Lloyd SA, He Y-G: Glucocorticoid receptor and interleukin-1 receptor messenger RNA expression in corneal cells. *Cornea* 1994;13:4-8.
47. **Wilson SE**, Lee WM, Murakami C, Weng J, Moninger GA: Mooren's-type hepatitis C virus (HCV)-associated corneal ulceration. *Ophthalmology* 1994;101:736-45.
48. **Wilson SE**: Growth factor and receptor messenger RNA production in human lacrimal gland tissue. *Adv Exp Med Biol* 1994;350:197-204.
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B. IN PRESS/SUBMITTED:

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99. Agarwal R, Talati M, Lambert W, Agarwal N, Clark AF, **Wilson SE**, Wordinger RJ: Fas activated apoptosis and other apoptosis mediators in human trabecular meshwork cells. Invest Ophthalmol Vis Sci (Suppl) 1998;39:S799 (Abstract #3699).
100. Mohan RR, Kim W-J, Mohan RR, **Wilson SE**: Active role of transcription factor NF-kB in suppression of TNF alpha-induced apoptosis in corneal fibroblasts. Invest Ophthalmol Vis Sci (Suppl) 1998;39:S1027 (#4743).

101. Kim W-J, Helena MC, Mohan RR, **Wilson SE**: Corneal stromal thinning associated with chronic epithelial injury. Invest Ophthalmol Vis Sci (Suppl) 1998;39:S1029 (#4755).
102. **Wilson SE**, Walker M: Lower flap complication rate with the Hansatome Microkeratome compared with the automated corneal shaper microkeratome. *ASCRS Symposium on Cataract, IOL and Refractive Surgery*, ASOA Congress on Ophthalmic Practice Management, Washington State Convention & Trade Center, Seattle, Wash.
103. **Wilson SE**, Kapadia MS: Gain or loss of best-corrected visual acuity with PRK in eyes with 1 to 3 diopters of myopia. *ASCRS Symposium on Cataract, IOL and Refractive Surgery*, ASOA Congress on Ophthalmic Practice Management, Washington State Convention & Trade Center, Seattle.
104. Mohan RR, Mohan RR, Kim W-J, **Wilson SE**: NF-Kappa B modulation of corneal fibroblast apoptosis. Invest Ophthalmol Vis Sci (Suppl) 1999;40:S193 (#1018).
105. Liu JJ, **Wilson SE**: Expression of bax and Cdk5: Apoptosis in the developing mouse eye. Invest Ophthalmol Vis Sci (Suppl) 1999;40:S326 (#1726).
106. Kim W-J, Rabinowitz Y, Meisler DM, **Wilson SE**: Keratocyte apoptosis associated with keratoconus. Invest Ophthalmol Vis Sci (Suppl) 1999;40:S330 (#1751).
107. Mohan RR, Mohan RR, **Wilson SE**: Discoidin domain receptor (DDR1 and DDR2) tyrosine kinases in human corneal cells. Invest Ophthalmol Vis Sci (Suppl) 1999;40:S624 (#3285).
108. **Wilson SE**, Liang Q, Kim W-J, Chen L: Lacrima gland HFG, KGF, and EGF mRNAs increase after corneal epithelial wounding. Invest Ophthalmol Vis Sci (Suppl) 1999;40:S964 (#5084).
109. Lee JS, Liu JJ, **Wilson SE**: Differential expression analysis by gene array of cell cycle modulators in human corneal epithelial cells stimulated with EGF, HGF, or KGF. Invest Ophthalmol Vis Sci (Suppl) 2000;41:S265 (#1392).
110. Hong JW, Liu JJ, **Wilson SE**: Effects of IL-1A and TNFA on the expression of other cytokines and their receptors in human corneal fibroblast cells. Invest Ophthalmol Vis Sci (Suppl) 2000;41:S265 (#1394).
111. Kim WJ, **Wilson SE**, Cho EY: The expression of fas ligand protein in keratoconus. Invest Ophthalmol Vis Sci (Suppl) 2000;41:S271 (#1424).
112. Choi RY, **Wilson SE**: Analysis of primary hyperopic LASIK and secondary hyperopic LASIK after initial myopic overcorrection. Invest Ophthalmol Vis Sci (Suppl) 2000;41:S691 (#3681).
113. Mohan RR, Mohan RR, Kim WJ, Stark GR, **Wilson SE**: Defective keratocyte apoptosis in response to epithelial injury in STAT1 null mice. Invest Ophthalmol Vis Sci (Suppl) 2000;41:S697 (#3712).
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115. **Wilson SE:** Cytokine-mediated stromal-epithelial interactions in the cornea during response to injury and wound healing. *International Congress of Eye Research*, October 15-20, 2000, Santa Fe, N.M.
116. **Wilson SE:** Keratocyte Apoptosis: Homeostasis, Wound Healing, and Potential Role in the Pathogenesis of Corneal Disease. Symposium: *Recent Advances in the Molecular Mechanisms of Apoptotic Cell Death and Cytoprotection in the Eye: A Symposium Dedicated to Dr. Richard N. Lolly*. Invest Ophthalmol Vis Sci (Suppl) 2001;42:S1 (#5).
117. **Wilson SE, Mohan RR, Possin DE, Mohan RR:** Characterization of genetically engineered human corneal epithelial cell lines: Regulated expression of E6/E7. Invest Ophthalmol Vis Sci (Suppl) 2001;42:S271 (Abstract #1471).
118. Mohan RR, Schultz GS, Hong J-W, Mohan RR, **Wilson SE:** Gene transfer to rabbit keratocytes *in situ* with recombinant adeno-associated viral and lipid-mediated plasmid DNA vectors using a lamellar flap for access. Invest Ophthalmol Vis Sci (Suppl) 2001;42:S105 (Abstract #573).
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121. Ambrósio R Jr, **Wilson SE:** Two step LASIK for hyperopic or mixed astigmatism with the VisX S2 laser. Invest Ophthalmol Vis Sci (Suppl) 2001;42:S724 (#3892).
122. Hutcheon AEK, Mohan RR, **Wilson SE**, Zieske JD: Comparison of keratocyte proliferation in response to PRK and LASIK. Invest Ophthalmol Vis Sci (Suppl) 2001;42:S902 (#4845).
123. Periman LM, Ambrósio R, **Wilson SE**, Harrison DA: Estimating scotopic pupil size using the Humphrey topography unit. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Program No. 148 (May 2002).
124. Mohan RR, Mohan RR, Ambrósio R Jr, **Wilson SE:** Activation of keratocyte apoptosis in response to epithelial scrape injury does not require tears. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Program No. 1679 (May 2002).
125. Ambrósio R Jr, Kalina R, Mohan RR, Mohan RR, Possin DE, Huang J, Hutcheon AEK, Zieske J, **Wilson SE:** Early wound healing response to epithelial scrape injury in the human cornea. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Program No. 4206 (May 2002).
126. Huang J, Kwon R, Possin D, Ambrosio R, **Wilson SE.** Characterization of inflammatory cell infiltration in rabbits following PRK and LASIK. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Program No. 4235 (May 2002).
127. **Wilson SE.** Wound healing and its influence on custom cornea. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Program No. 918 (May 2002).

128. **Wilson SE**, Mohan RR, Hong J-W, Mohan R-R, Lee J-S, Ambrósio R, Hutcheon AEK, Zieske J. Role of epithelium in myofibroblast transformation in the cornea. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Program No. 2931 (May 2002).
129. **SE Wilson**. The Biology of Corneal Wound Healing. Sunday symposium in honor of David Maurice. Association for Research in Vision and Ophthalmology, No. 16. Ft. Lauderdale, May, 2003.
130. RR Mohan, **SE Wilson**. Characterization of Gene Expression Profile in Human Corneal Fibroblast Cells in Response to TGFbeta-1, beta-2, and beta-3 using Microarray Technology. Association for Research in Vision and Ophthalmology, No. 842. Ft. Lauderdale, May, 2003.
131. J Huang, DE Possin, **SE Wilson**. Monocyte Influx Into the Mouse Corneal Stroma Following Epithelial Scrape Injury. Association for Research in Vision and Ophthalmology, No. 888, Ft. Lauderdale, May, 2003.
132. MV Netto, R Ambrosio, Jr, **SE Wilson**. Pupil Size Measurements with the Procyojn Pupillometer. Association for Research in Vision and Ophthalmology, No. 2642. Ft. Lauderdale, May, 2003.
133. MS Oliva, R Ambrosio, Jr., **SE Wilson**. Influence of Intraoperative Epithelial Defects on outcomes in LASIK for Myopia. Association for Research in Vision and Ophthalmology, No. 2649. Ft. Lauderdale, May, 2003.
134. DE Possin, J Huang, R Ambrosio, Jr. **SE Wilson**. Activation of Caspase-3 in the Cornea after Epithelial Scrape Injury. Association for Research in Vision and Ophthalmology, No. 3820. Ft. Lauderdale, May, 2003.
135. R Ambrosio, Jr., DA Harrison, M Oliva, MV Netto, D Possin **SE Wilson**. Morphology of Corneal Epithelium in Eyes with Epithelial Slough During LASIK. Association for Research in Vision and Ophthalmology. No. 3840. Ft. Lauderdale, May, 2003.
135. **Wilson SE**, Mohan RR, Alekseev A. Expression of Monocyte-regulatory Cytokine and Receptor mRNAs and Proteins by Corneal Fibroblasts. Association for Research in Vision and Ophthalmology. No. 4223. Ft. Lauderdale, May, 2003.
136. **Wilson SE**. Wavefront Analysis and Custom Corneal Ablation: Are we Missing Something? ISRS-AAO annual meeting, Keynote Speaker, Anaheim, CA, November, 2003.
137. **Wilson SE**. Prophylaxis for Diffuse Lamellar Keratitis- Discussion. American Academy of Ophthalmology Annual Meeting, Anaheim, CA, November, 2003
138. **Wilson SE**, Netto M. LASIK induced neurotrophic epitheliopathy (LINE). ASCRS Annual Meeting, May, 2004.
139. **Wilson SE**. Flap Lift LASIK Enhancement for Myopia. ASCRS Annual Meeting, May, 2004.
140. Chavala SH, M.R. Chalita MR, Netto MV, **Wilson SE**, Krueger RR. Predicting Flap Thickness and Residual Stromal Bed in LASIK Enhancements. ARVO Annual Meeting, April, 2004, Ft. Lauderdale, FL.

141. Netto MV, Chalita MR, Ambrosio R Jr, Shen T, **Wilson SE**. Wavefront analysis in normal refractive surgery candidates. ARVO Annual Meeting, April, 2004, Ft. Lauderdale, FL.
142. **Wilson SE**, Mohan RR, Netto MV. Interaction between cells expressing RANK and RANKL in the stroma of wounded mouse corneas. ARVO Annual Meeting, April, 2004, Ft. Lauderdale, FL.
143. Mohan RR, **Wilson SE**. Microarray Analysis of PDGF-Regulated Gene Expression in Human Corneal Fibroblast Cells. ARVO Annual Meeting, April, 2004, Ft. Lauderdale, FL.
144. **Wilson SE**. Refractive complications and wound healing. ISRS-AAO annual meeting, New Orleans, LA, Oct, 2005.
145. **Wilson SE**: New treatment paradigms for dry eye, Royal Hawaiian Eye Meeting, January, 2005
146. Netto MV, Dupps WJ, Gupta P, Krueger RR; **Wilson SE**. Femtosecond Laser: myths and truths. Analysis of our first 200 cases. ASCRS annual meeting, Washington DC, April 2005.
147. **Wilson SE**, Netto MV, Dupps WJ, Mohan RR, Krueger RR. Inflammation and keratocyte apoptosis in Femtosecond laser and microkeratome LASIK flaps in rabbits. ASCRS annual meeting, Washington DC, April 2005.
148. **Wilson SE**, Netto RR, Mohan RR. Myofibroblast generation in the anterior stroma is triggered by surface irregularity. ARVO Annual Meeting, Ft. Lauderdale, Florida, May 2005.
149. Mohan RR, Schultz GS, Sharma A, Sinha S, Netto MV, **Wilson SE**. Controlled and site-selective gene delivery into mouse keratocytes by adeno-associated viral, lentiviral, and plasmid vectors. ARVO Annual Meeting, Ft. Lauderdale, Florida, May 2005.
150. Sharma A, Mohan RR, Sinha S, **Wilson SE**. Corneal fibroblasts support osteoclast-like cell differentiation of macrophages. ARVO Annual Meeting, Ft. Lauderdale, Florida, May 2005.
151. Gupta PC, Netto MV, Dupps WJ, Krueger RR, Wilson SE. Femtosecond laser: Myths and truths- Analysis of our first 200 cases. ARVO Annual Meeting, Ft. Lauderdale, Florida, May 2005.
152. Netto MV, Mohan RR, Sinha S, Sharma A, **Wilson SE**. Prophylactic mitomycin C effect on corneal haze and cellularity. ARVO Annual Meeting, Ft. Lauderdale, Florida, May 2005.
153. **Wilson SE**, Hong JC, Tanabe DS, Dehning DO, Luffey GE, Bacharach J, Chiang TH, Walt JG, The RESTORE Study Group. Baseline characteristics of patients diagnosed with dry eye. World Ophthalmology Congress, Sao Paulo, Brazil, February, 2006.
155. **Wilson SE**, Netto MV, Mohan RR. Ultrastructural or functional defects in the epithelial basement membrane are associated with myofibroblast generation. Ocular Cell and Molecular Biology-ARVO, Sarasota, FL, September 2005
156. Stapleton WM, Mohan RR, Dupps WJ, Sinha S, Netto MV, **Wilson SE**. Decreased Stromal Cell Death With the Model III 30 Khz Femtosecond Laser and the Effect of the Side Cut on Stromal Cell Death and Monocyte Infiltration Invest. Ophthalmol. Vis. Sci. 2006 E-Abstract 2733.

157. Sinha S, Mohan RR, Stapleton WM, Netto MV, and **Wilson SE**. A Novel Method for Generating Corneal Haze in Anterior Stroma of the Mouse Eye With Excimer Laser Invest. Ophthalmol. Vis. Sci. 2006 E-Abstract 2744.
158. Suto C, Medeiros FW, **Wilson SE**. Patient Satisfaction With Monovision in Laser in situ Keratomileusis. Invest. Ophthalmol. Vis. Sci. 2007 E-Abstract 1000.
159. **Wilson SE**, Netto MV, Mohan RR, Medeiros FW, Dupps WJ, Sinha S, Krueger RR, Stapleton WM, Rayborn R, Suto C. Necrosis Is the Primary Mode of Stromal Cell Death Induced by the Femtosecond Laser: Don't Apply the Tunel Assay in Isolation. Invest. Ophthalmol. Vis. Sci. 2007 E-Abstract 3519.
160. Medeiros FW, Mohan RR, Suto C, Sinha S, Chaurasia SS, Bonilha VL, **Wilson SE**. Haze Development After Photorefractive Keratectomy: Mechanical vs. Chemical Epithelial Removal. Invest. Ophthalmol. Vis. Sci. 2007 E-Abstract 3512.
161. **Wilson SE**. Interleukin (IL)-1: The master regulator of the corneal response to injury. Ocular Cell and Molecular Biology-ARVO, Sarasota, FL, Sept, 2007.
162. **Wilson SE**. Wound healing control: It's all about the corneal epithelial basement membrane. ISRS-AAO, Annual Meeting, New Orleans, Nov., 2007
163. **Wilson SE**. Bowman's layer: A consequence of stromal-epithelial interactions. Bowman's Layer Special Interest Group, ARVO Annual Meeting, Ft Lauderdale 4/28/2008
164. Chaurasia SS, Medeiros FW, Kaur H, **Wilson SE**. Corneal Wound Healing: Dynamics of the Expression of Cytoskeleton Matrix Components Associated With Myofibroblasts in the Cornea Following Photorefractive Keratectomy. Invest. Ophthalmol. Vis. Sci. 2008 E-Abstract 2942.
163. **Wilson SE**, Medeiros FW, Kaur H, Agrawal V, Chaurasia SS, Dupps WJ. Effect of Femtosecond Laser Energy Level on Corneal Stromal Cell Death and Inflammation. Invest. Ophthalmol. Vis. Sci. 2008 E-Abstract 2963.
164. Heur JM, Chaurasia SS, **Wilson SE**. Expression of Interleukin-1 Receptor Antagonist mRNA in Human Corneal Epithelium. Invest. Ophthalmol. Vis. Sci. 2008 E-Abstract 3403.
165. **Wilson SE**, Chaurasia SS, Kaur H. Factors involved in myofibroblast and haze formation after PRK. International Congress of Eye Research, Beijing, China, Sept., 2008.
166. Mohan RR, **Wilson SE**. Decorin over-expression significantly reduces myofibroblast formation in the cornea. International Congress of Eye Research, Beijing, China, Sept., 2008.
167. Pham T, **Wilson SE**, Dupps, WJ. Incidence and Pachymetric Effect of Automated Surface Tracing Errors in Patients Undergoing Evaluation for Refractive Surgery. Invest. Ophthalmol. Vis. Sci. 2009 E-Abstract 3679.
168. **Wilson, S.E.**, Kaur, H., Chaurasia, S.S, Medeiros, F.W., Agrawal, V., Salomao1, M.Q., Singh, N., Ambati, B.K. Corneal Stromal PDGF Receptor Expression, PDGF Blockade and Modulation of Myofibroblast Development. Invest. Ophthalmol. Vis. Sci. 2009 E-Abstract 2553.

169. Chaurasia, S.S., Ramos-Esteban, J.C., Kaur, H., Agrawal, V., **Wilson S.E.** Effect of Topical IL-1 Receptor Antagonist in Reducing Alpha Smooth Muscle Actin+ Myofibroblast Generation After Photorefractive Keratectomy. Invest. Ophthalmol. Vis. Sci. 2009 E-Abstract 3070.
170. Esposito, A.A., Salomao, M., Chaurasia, S.S., Agrawal, V., **Wilson, S.E.** Expression of Il-1alpha In Rabbit Lacrimal Gland After Corneal Injury. Invest. Ophthalmol. Vis. Sci. 2009 E-Abstract 4239.
171. Kaur, H., Chaurasia, S.S., Agrawal, V., **Wilson S.E.** Opposing Effects of IL-1 and TGFβ1 on Corneal Myofibroblast Viability in vitro. Invest. Ophthalmol. Vis. Sci. 2009 E-Abstract 4537.
172. Salomao, M.Q. Chaurasia, S.S., Esposito, A., Sepulveda, R., Rocha, K.M., Dupps, W.J. Jr., Agrawal, V., Sinha-Roy, A., **Wilson, S.E.** Cellular Wound Healing Effects of Riboflavin-ultraviolet-A Collagen Cross-linking in Rabbit Corneas. Invest. Ophthalmol. Vis. Sci. 2009 E-Abstract 5496.
173. Medeiros, F.W., **Wilson, S.E.**, Alves, M.R., Sinha-Roy, A., Dupps, W.J. Differences in the Acute Corneal Biomechanical Impact of Hyperopic and Myopic LASIK. American Academy of Ophthalmology, October, 2009, San Francisco.
174. Hood, C.T., Krueger, R.R., **Wilson, S.E.** The Effect of Femtosecond Laser Flap Thickness and Flap Diameter on Wavefront Aberrations after Customized LASIK. ISRS-American Academy of Ophthalmology Annual Meeting, October, 2009, San Francisco.
175. **Wilson, S.E.** New pharmacological approaches to manage haze formation in PRK. ISRS-American Academy of Ophthalmology Annual Meeting, October, 2009, San Francisco.
176. Medeiros, F.W., Roy, A.S., Alves, M.R., **Wilson, S.E.**, Dupps Jr., W.J. Differences in the Acute Corneal Biomechanical Impact of Hyperopic and Myopic LASIK. American Academy of Ophthalmology Annual Meeting, October, 2009, San Francisco.
177. Hood, C.T., Krueger RR, **Wilson SE.** The effect of flap thickness and flap diameter on wavefront aberrations after customized LASIK. Invest. Ophthalmol. Vis. Sci. 2010 E-Abstract 2870
178. **Wilson, S.E.**, Barbosa F.L., Chaurasia S., Kaur, H., de Medeiros, F.W., Agrawal V. IL-1 Production in SMA+ Myofibroblasts and SMA- Stromal Cells After PRK. Invest. Ophthalmol. Vis. Sci. 2010 E-Abstract 2500
179. **Wilson, S.E.**, Salomão, M., Ambrósio, R., Chaurasia, S.S., Esposito, A.A., Roy, A.S., Agrawal, V. Rabbit Study of Corneal Wound Healing After Ultraviolet A-Riboflavin Collagen Crosslinking. American Soc. Cat. And Ref. Surg. Annual Meeting, April, 2011, San Diego
180. Singh, V., Barbosa, F.L., Agrawal, V., **Wilson, S.E.** Optimization Of in vitro Conditions Of TGFβ And PDGF Modulation Of V+A+D+ Myofibroblast Development From Precursor Cells. Invest. Ophthalmol. Vis. Sci. 2011 E-Abstract 2012
181. Santhiago, M.R., Dupps, Jr., W.J., **Wilson S.E.** Influence Of Corneal Thickness On Biomechanical And Tomographic Parameters. Invest. Ophthalmol. Vis. Sci. 2011 E-Abstract 5192

182. Barbosa, F.L., Santhiago, M.R., Singh, V., Agrawal, V., **Wilson, S.E.** Understanding The Biology Of The Stromal Myofibroblasts That Contribute To Opacity Following Corneal Injury. Invest. Ophthalmol. Vis. Sci. 2011 E-Abstract 5304

Courses

1. Arffa R, Klyce SD, **Wilson SE**, Maguire L: Corneal topography. American Academy of Ophthalmology Annual Meeting, 1991-1995.
2. Hannush S, Riveroll L, **Wilson SE**: corneal topography for the general ophthalmologist. American Academy of Ophthalmology Annual Meeting, 1992-1995.
3. Hannush S, Riveroll L, **Wilson SE**: Corneal topography for the general ophthalmologist. CLAO, 1993-1994.
4. Lass J. Lindstrom R, **Wilson SE**: Recent advances in corneal preservation. American Academy of Ophthalmology, November 1993, 1994.
5. Klyce SD, **Wilson SE**: Corneal topography. ASCRS, San Diego, 1993.
6. Klyce SE, **Wilson SE**: Corneal topography. ISRS, 1995.
7. **Wilson SE**: Course director and lecturer, Summit Photorefractive Keratectomy Didactic Courses, Jan–May, 1996.
8. **Wilson SE**: Summit Photorefractive Keratectomy Clinical Mini-Fellowships, Feb–June, 1996.
9. **Wilson SE**, Klyce SD, et al. : Skills Transfer Course on corneal topography lecture and lab, American Academy of Ophthalmology, San Francisco, 1997.
10. Slade S, **Wilson SE**: Bausch and Lomb Surgical, LASIK course, American Society for Cataract and Refractive Surgery, Seattle, Wash., 1999.
11. **Wilson SE**. Medical and surgical management of complications of refractive surgery. Olivia Serdarevic course organizer. American Academy of Ophthalmology, Orlando, Fla., Oct., 1999.
12. **Wilson SE**. Medical and surgical management of complications of refractive surgery. Olivia Serdarevic course organizer. American Academy of Ophthalmology, Dallas, Texas, Nov., 2000.
13. **Wilson SE**. Medical and surgical management of complications of refractive surgery. Olivia Serdarevic course organizer. American Academy of Ophthalmology, New Orleans, La, Nov., 2001, 2002, 2004
14. **Wilson SE**. VISX Refractive Surgery Certification Course, Organizer and lecturer. University of Washington, Seattle, WA, June, 2002.
14. **Wilson SE**. Medical and surgical management of complications of refractive surgery. Olivia Serdarevic course organizer. American Academy of Ophthalmology, Orlando, FL, Oct., 2002

Invited Lectures and Visiting Professorships

- 6/22-23/91: State University of New York at Rochester, Resident and Alumni Conference.
- 5/10-11/91: Mayo Clinic, Rochester, Minn., Ophthalmic Reviews.
- 1/18/92: Contact Lens Association of Ophthalmologists, Castroviéjo Session.
- 1/23/92: Visiting Professor, Baton Rouge Ophthalmological Society.
- 3/2-3/92: Visiting Professor, Eye Research Institute, Harvard Medical School
- 9/92: ICER, Stresa, Italy
- 7/92: “RGP Lens Practice Today and Tomorrow,” St. Louis, Mo.
- 11/15/92: International Conference on the Lacrimal Gland and Tear Film, Keynote Speaker, Bermuda.
- 4/25/93: Visiting Professor, Washington University, Department of Ophthalmology, St. Louis, Mo.
- 5/5/93: Lacrimal Gland Study Group, Invited Speaker, Sarasota, Fla.
- 9/6/93: Keynote Speaker, International Society for Contact Lens Research, Australia.
- 10/1/93: Visiting Professor, Genentech, San Francisco, Calif.
- 10/14/93: Visiting Professor, University of Louisville, Kentucky.
- 12/3-4/93: Visiting Professor, University of Arkansas for Medical Sciences, Little Rock, Ark.
- 12/13-14/93: Invited speaker, NEI/Industry Dry Eyes Clinical Workshop.
- 1/31/94: Visiting Distinguished Scientist, University of North Texas Health Science Center at Fort Worth, Department of Anatomy and Cell Biology.
- 06/94: Visiting Professor, Genentech, San Francisco, Calif.
- 12/15-16/94: Visiting Professor, Cedars-Sinai Medical Center, Los Angeles, Calif.
- 1/5-6/95: Visiting Professor, Hotel Dieu, Paris, France.
- 2/95: Visiting Professor, Allergan Pharmaceuticals
- 5/95: Invited speaker, Cell Cycle Control Symposium, ARVO.
- 8/95: Invited speaker, Ocular Cell and Molecular Biology Symposium.
- 10/6/95: Invited speaker, Massachusetts Eye & Ear Infirmary, Harvard University, Biennial Cornea Research Conference.
- 10/95: Invited speaker, “Corneal Topography of PRK and RK,” American Academy of Ophthalmology.
- 2/96: Invited speaker, Western ARVO, San Antonio, Texas.
- 2/28-3.2/96: Invited speaker, Foundation de Ophthalmologia Bogota, Colombia.

- 4/5/96: Visiting Professor, Casey Eye Institute, University of Oregon.
- 7/96: "Refractive Error Correction into the 21st Century," Invited speaker, St. Louis, Mo.
- 1/7/97: "Wound Healing and Apoptosis in the Cornea," Invited speaker, Keystone Symposium, Tamaron, Colo.
- 2/22/97: "Wound Healing Following PRK and LASIK," Invited speaker, The New Orleans Academy of Ophthalmology, New Orleans, La.
- 4/26-27/97: "PRK and LASIK: Indications and Complications," Invited speaker, Mississippi-Louisiana Ophthalmologic Society, Biloxi, Miss.
- 6/9/97: Visiting Professor, University of North Carolina.
- 8/27/97: "Apoptosis and Corneal Response to Injury," Keynote Speaker, International Society for Contact Lens Research, Florence, Italy.
- 9/18/97: "Apoptosis in the Cornea," Keynote Speaker, The Cleveland Clinic Foundation Research Day.
- 9/22/97: "Apoptosis and Wound Healing Following PRK and LASIK," Invited speaker, Research to Prevent Blindness, National Science Writers' Seminar, Los Angeles, Calif.
- 10/14/97: Visiting Professor, National Eye Institute.
- 1/98: "Apoptosis in the Cornea," Everett Kinsey Lecturer, CLAO Annual Meeting.
- 8/98: "Keratocyte Apoptosis as a Defense Mechanism in corneal Infections With Herpes Simplex Virus," Keynote Speaker, Second International Conference on Ocular Infections, Munich, Germany.
- 9/98: "Keratocyte Apoptosis Initiation of Wound Healing in the Cornea," Keynote Speaker, German Ophthalmologic Society, Berlin, Germany.
- 11/10/98: "Common Complications of Refractive Surgery," Symposia on Primary Eye Care Management Problems, American Academy of Ophthalmology Annual Meeting, New Orleans, La.
- 11/10/98: "Clinical Corneal Topography," American Academy of Ophthalmology Instruction Course, and AAO Skills Transfer Course—Didactic, Annual Mtg, New Orleans, La.
- 12/98: Kyoto Cornea Club, Invited Professor
- 12/98: Samsung Hospital, Seoul, Korea, Invited Professor
- 2/8/99: Keystone Symposium, Ocular Cell and Molecular Biology, Keystone, Colorado.
- 3/18/99: Israeli Society for Eye and Vision Research, Tel Aviv.
- 4/10/99: "Gain or Loss of Best Corrected Visual Acuity with PRK in Eyes with 1 to 3 D of Myopia," *Photorefractive Keratectomy Section*, ASCRS Symposium on Cataract, IOL and Refractive Surgery, ASOA Congress on Ophthalmic Practice Management, Washington State Convention & Trade Center, Seattle, Wash.

- 4/11/99: "Lower Flap Complication Rate with the Hansatome Microkeratome Than with the Automated Corneal Shaper Microkeratome," *Symposium: Microkeratome Face-Off*, ASCRS Symposium on Cataract, IOL and Refractive Surgery, ASOA Congress on Ophthalmic Practice Management, Washington State Convention & Trade Center, Seattle, Wash.
- 4/15-17/99: University of Florida, Gainesville, Invited Professor
- 4/30/99: Mayo Clinic Updates Annual Meeting, Acapulco, Mexico, Invited Speaker
- 6/5/99: "Lower Intraoperative Flap Complication Rate With the Hansatome Microkeratome Compared To the Automated Corneal Shaper Microkeratome" (with M. Walker), 25th Annual Resident Alumni Day, University of Washington, Seattle.
- 8/6/99: "Wound Healing Following Refractive Surgery," Invited Professor, Mayo Clinic, Rochester, Minn.
- 9/3-7/99: "Dry Eyes and Refractive Surgery," Invited Professor, European Society of Cataract and Refractive Surgery, Vienna, Austria.
- 9/16/99: "Refractive Surgery," Invited Professor, Family Practice Update, University of Washington, Seattle.
- 9/23/99: "Refractive Surgery: Seeing Clearly Into the Future," Saturday Lecturer, University of Washington, Seattle.
- 10/22/99: "Keratocyte Apoptosis and the Future of Gene Therapy," American Academy of Ophthalmology Annual Meeting, Subspecialty Day, Keynote Address, Refractive Surgery: *Section III. Stromal Wound Healing and Wound Management*, AAO Annual Meeting, Orlando, Fla.
- 10/5-11/99: "Neurological Control of Lacrimal Gland Function," Invited Lecture, European Association of Vision and Eye Research (EVER), Mallorca, Spain.
- 11/99: Visiting Professor, University of Wisconsin, Madison, Wisconsin
- 1/21/00: "Wound Healing in the Cornea," and "Management of LASIK Complications," University of Tennessee.
- 3/3/00: "The Inflammatory Basis of Dry Eye Disease," Oregon Academy of Ophthalmology, Oregon Health Sciences University, Portland.
- 3/8-9/00: "Corneal Topography in Contact Lens Warpage and Corneal Dystrophies," Ferraro, Italy.
- 3/29/00: "Apoptosis and Wound Healing in the Cornea," Neurosurgery Grand Rounds, University of Washington Medical Center, Seattle.
- 4/12/00: "Management of Common Complications of LASIK and Role of Keratocyte Apoptosis in Corneal Wound Healing Following PRK and LASIK," Clinical Day in Corneal Disease and Refractive Surgery, Long Island Jewish Medical Center, New York.
- 4/14-15/00 "Refractive Surgery and Corneal Diseases: Clinical Developments for the New Century," Annual Postgraduate Seminar, Jules Stein Eye Institute, Los Angeles, Calif.

- 4/30/00 “Control of Wound Healing After Refractive Surgery,” Sunday Symposium, Annual Meeting of the Association for Research in Vision and Ophthalmology, Fort Lauderdale, Fla.
- 6/3/00: “Astigmatism Correction in Low to Intermediate Myopes: LASIK vs. PRK” (with R. Fraunfelder), 26th Annual Resident Alumni Day, Department of Ophthalmology, University of Washington, Seattle.
- 6/3/00: “The LASIK Experience at UWMC” (with A. Bhandari), 26th Annual Resident Alumni Day, Department of Ophthalmology, University of Washington, Seattle.
- 6/3/00: “Analysis of Primary Hyperopic LASIK and Secondary Hyperopic LASIK After Initial Myopic Overcorrection” (with R. Choi), 26th Annual Resident Alumni Day, Department of Ophthalmology, University of Washington, Seattle.
- 6/17-20/00 “New Paradigms in the Treatment of Dry Eye,” The Canadian External Disease and Corneal Society Meeting, in conjunction with the Canadian Ophthalmological Society Meeting, Whistler, British Columbia, Canada.
- 6/17-20/00 “Management of Laser *In situ* Keratomileusis,” The Canadian External Disease and Corneal Society Meeting, in conjunction with the Canadian Ophthalmological Society Meeting, Whistler, British Columbia, Canada.
- 6/17-20/00 “Corneal Wound Healing,” The Canadian External Disease and Corneal Society Meeting, in conjunction with the Canadian Ophthalmological Society Meeting, Whistler, British Columbia, Canada.
- 6/17-20/00 “Photorefractive Keratectomy vs. Laser *In situ* Keratomileusis,” The Canadian External Disease and Corneal Society Meeting, in conjunction with the Canadian Ophthalmological Society Meeting, Whistler, British Columbia, Canada.
- 9/8/00 “Epithelial Injury-induced Keratocyte Apoptosis as an Initiator of Corneal Wound Healing,” Chancellor’s Award Lecture in Neuroscience & Eye Research, Louisiana State University Health Sciences Center, School of Medicine, New Orleans, La.
- 9/8/00 “Management of Lasik Complications,” Clinical Lecture, Louisiana State University Health Sciences Center, School of Medicine, New Orleans, La.
- 10/18/00 “Cytokine-mediated stromal-epithelial interactions in the cornea during response to injury and wound healing,” Symposium Presentation, *International Congress of Eye Research*, October 15-20, 2000, Santa Fe, N.M.
- 2/27/01 “Wound Healing in the Cornea,” and “LASIK Complications.” Visiting Professor, Massachusetts Eye & Ear Infirmary, Harvard University, Boston, Mass.
- 4/29/01 “Keratocyte Apoptosis: Homeostasis, Wound Healing, and Potential Role in the Pathogenesis of Corneal Disease. Symposium: *Recent Advances in the Molecular Mechanisms of Apoptotic Cell Death and Cytoprotection in the Eye: A Symposium Dedicated to Dr. Richard N. Lolly*. Annual Meeting of the Association for Research in Vision and Ophthalmology, Fort Lauderdale, Fla.
- 6/2/01 “State of the Department of Ophthalmology,” 27th Annual Resident Alumni Day, Department of Ophthalmology, University of Washington, Seattle.

- 6/2/01 “Confocal Microscopy: Usefulness in Evaluating Corneal Changes Induced by LASIK” [Poster presented by Manasvee Kapadia, MD], with R. Ambrósio Jr, D. Harrison, and J. Kim), 27th Annual Resident Alumni Day, Department of Ophthalmology, University of Washington, Seattle.
- 6/2/01 “Refractive Stability Between One and Three Months in LASIK Patients” (with S. Porter), 27th Annual Resident Alumni Day, Department of Ophthalmology, University of Washington, Seattle.
- 6/2/01 “Screening Patients for Refractive Surgery” (with R. Ambrósio, D. Harrison, J. Kim, and S.D. Klyce), 27th Annual Resident Alumni Day, Department of Ophthalmology, University of Washington, Seattle.
- 6/2/01 “Under Cover of Darkness—Measuring Pupil Size Under Scotopic Conditions” (with L. Periman and D. Harrison), 27th Annual Resident Alumni Day, Department of Ophthalmology, University of Washington, Seattle.
- 7/5/01 Invited speaker. “Management of complications following LASIK.” International Society of Refractive Surgery, Cancun Mexico.
- 7/5/01 Invited speaker. “Wound healing following LASIK and PRK.” International Society of Refractive Surgery, Cancun Mexico.
- 7/6/01 Invited speaker. “Dry Eye. Diagnosis and treatment”. International Society of Refractive Surgery, Cancun Mexico.
- 7/5/01 Invited speaker. “Management of complications following LASIK. International Society of Refractive Surgery, Cancun Mexico.
- 9/13/01 Invited speaker. “Wound healing after LASIK and PRK.” REFR@CTIVE.ON-LINE, TOPOGR@PHY.ON-LINE, ABERROMETRY.ON-LINE – Milan, Italy.
- 9/13/01 Invited speaker. “LASIK-induced neurotrophic epitheliopathy (LNE). Dry eye after LASIK”. REFR@CTIVE.ON-LINE, TOPOGR@PHY.ON-LINE, ABERROMETRY.ON-LINE – Milan, Italy.
- 9/20/01 Keynote speaker. “Wound healing after LASIK and PRK.” Finnish Ophthalmological Society, Helsinki, Finland.
- 9/20/01 Keynote speaker. “Management of Complications following LASIK.” Finnish Ophthalmological Society, Helsinki, Finland.
- 11/12/01 American Academy of Ophthalmology Instruction Course. “Medical and Surgical Management of Complications of Refractive Surgery.” AAO Annual Meeting, New Orleans, La.
- 12/5/02 Visiting Professor at Idun Corporation, La Jolla, CA “Caspase inhibitors and corneal wound healing.
- 5/2/02 Irvine Memorial Lecture. “Wound healing: Confounding custom corneal ablations. Doheny Eye Institute, Annual Meeting, Los Angeles, Calif. (May 2002)
- 1/19/02 Invited speaker: “Keratocyte Apoptosis in Keratoconus,” Genetic Disease and Key Conference, Cedars-Sinai Medical Center, Los Angeles, Calif.

- 2/9/02 Refractive Surgery Training in Ophthalmology Residency, Association of University Professors in Ophthalmology, Amelia Island, Fla.
- 2/16/02 Dry Eye Disease: New Treatment Paradigms, Ocular Drug and Surgical Therapy Update Meeting, Monarch Beach, Calif.
- 2/21/02 Refractive Surgery in the USA: Is the Honeymoon Over. Moacry Alvaro International Ophthalmology Symposium, São Paulo, Brazil.
- 2/21/02 LASIK Dry Eye: Lasik-induced Neurotrophic epitheliopathy (LNE). Moacry Alvaro International Ophthalmology Symposium, São Paulo, Brazil.
- 2/21/02 Wound Healing in Refractive Surgery. Moacry Alvaro International Ophthalmology Symposium, São Paulo, Brazil.
- 5/4/02 The Role of Epithelium in Myofibroblast cell, Maintenance in the cornea. Crest Meeting, Fort Lauderdale, Fla.
- 9/13/02 The importance of pupil size in refractive surgery. Refractive on-line 2002. Milan, Italy
- 9/13/02 Update on wound healing in refractive surgery. Refractive on-line 2002. Milan, Italy
- 9/14/02 Refractive Outcomes With VISX Wavefront-Guided LASIK Reoperation Ablations. Refractive On-line, 2002, Milan, Italy
- 9/14/02 Influence of perioperative epithelial defects on LASIK outcomes. Refractive On-line, 2002, Milan, Italy
- 9/14/02 Sporadic DLK: cytokine-mediated inflammation following refractive surgery. Refractive On-line. Milan, Italy
- 10/7/02 Stromal cell apoptosis and necrosis following PRK and LASIK. International Congress of Eye Research, Geneva, Switzerland
- 10/18/02 Surgical options for monovision. Invited lecture. Refractive Special Interest Group. American Academy of Ophthalmology, Orlando, Florida
- 10/20/02 New Treatment Therapies for Ocular Surface Disease: Optimizing Pre-Op and Post-op Refractive Surgery Patients. Invited lecture, Allergan, Orlando, FL
- 10/22/02 Wavefront-oriented LASIK Enhancement: A Step forward in Aberration-free Refractive Surgery (discussant). American Academy of Ophthalmology, Orlando, Florida
- 10/22/02 Ocular Surface and Dry Eye-Associated with LASIK, Invited speaker ISRS symposium. American Academy of Ophthalmology, Orlando, Florida
- 1/23/03 LASIK Dry Eye. Seoul Academy of Ophthalmology, Seoul, Korea
- 1/23/03 Wound Healing in the Cornea. Keynote Lecture. Seoul Academy of Ophthalmology, Seoul, Korea
- 2/28/03 Diffuse lamellar keratitis: Molecular and Cellular Mechanisms. Keynote Speaker. Saudi Academy of Ophthalmology, Riyadh, Saudi Arabia

- 2/28/03 Hepatitis C Virus-associated Mooren's Corneal Ulcers. Keynote Speaker. Saudi Academy of Ophthalmology, Riyadh, Saudi Arabia
- 2/28/03 New Paradigms in the Treatment of Dry Eye. Keynote Speaker. Saudi Academy of Ophthalmology, Riyadh, Saudi Arabia
- 2/28/03 Treatment of Buttonhole Flaps in LASIK. Keynote Speaker. Saudi Academy of Ophthalmology, Riyadh, Saudi Arabia
- 2/28/03 Custom Corneal Ablation with the VISX S4 laser. Keynote Speaker. Saudi Academy of Ophthalmology, Riyadh, Saudi Arabia
- 4/12/03 LASIK-induced Neurotrophic Epitheliopathy. American Society for Cataract and Refractive Surgery, San Francisco, CA
- 5/4/03 Wound Healing in the Cornea. Sunday Symposium. Association for Research in Vision and Ophthalmology, Ft Lauderdale, FL
- 9/12/03 Custom Corneal Ablation: Are we forgetting something? Refractive On-line 2003. Milan, Italy
- 9/12/03 New Treatment Paradigms for Dry Eye. Refractive On-line 2003. Milan, Italy
- 9/13/03 Update on Corneal Wound Healing: What do the Cornea and Bone have in Common? Refractive On-line 2003. Milan, Italy
- 9/13/03 Custom Corneal Ablation with the VISX Laser Refractive On-line 2003. Milan, Italy
- 10/10/03 Corneal Wound Healing, Ophthalmology Update, Belo Horizonte, Brazil
- 10/10/03 The Importance of Pupil Size in Refractive Surgery, Ophthalmology Update, Belo Horizonte, Brazil
- 10/11/03 New Paradigm in the Treatment of Dry Eye, Ophthalmology Update, Belo Horizonte, Brazil
- 10/11/03 LASIK Dry Eye, Ophthalmology Update, Belo Horizonte, Brazil
- 11/1/03 LASIK in patients with other eye problems: Retina, optic nerve, cornea, and systemic conditions. Keynote speaker. Philips Eye Institute, Minneapolis, MN
- 11/1/03 Why surface ablation still has a significant role in refractive surgery. Keynote speaker. Philips Eye Institute, Minneapolis, MN
- 1/30/04 LASIK Complications: prevention and treatment. Keynote Speaker. Colorado EyeMD Society, Vail, CO
- 1/30/04 Custom Corneal Ablation with the VISX S4 laser. Keynote Speaker. Colorado EyeMD Society, Vail, CO
- 3/12/04 New Paradigms in the Treatment of Dry Eye. Keynote Speaker. External Disease Regional Consultant Meeting. Tucson, AZ
- 4/30/04 Wound Healing after Refractive Surgery – Clinical Implications. Optimizing the Ocular Surface Meeting Translating Theory into Refractive Practice, San Diego, CA

- 6/19/04 Wilson SE. ABCs of corneal wound healing- clinical implications. Refractive Surgery Summit 2004, The Cole Eye Institute, The Cleveland Clinic Foundation, Cleveland
- 10/22/04 Wilson SE. Corneal wound healing in refractive surgery
IT'S THE BIOLOGY STUPID! ISRS-AAO,,New Orleans, LA
- 10/25/04 Custom corneal ablation- Controlling wound healing, AAO, New Orleans, LA
- 10/25/04 Diffuse lamellar keratitis. LASIK complications course. AAO New Orleans, LA
- 10/25/04 LASIK-induced dry eye: LASIK complications course. AAO, New Orleans, LA
- 11/20/04 Myofibroblast generation correlates with surface irregularity after PRK. Tear Film and Ocular Surface Society. San Juan, Puerto Rico
- 3/17/05 DLK: Internal mechanisms and increased risk with Intralase. Refractive Surgery and Cornea Summit, Cole Eye Institute, The Cleveland Clinic Foundation
- 4/15/05 Corneal Wound Healing: Implications for refractive surgery complications. University of Cincinnati and Cincinnati Ophthalmological Society
- 4/23/05 Restasis in the treatment of dry eye and other ocular disorders. Istanbul, Turkey, April 23, 2005
- 7/6/05 LASIK complications: Etiology, treatment, and prevention. ISRS-AAO PanAmerican Summer Meeting. San Jose, Costa Rica
- 9/9/05 Ultrastructural or functional defects in the epithelial basement membrane are associated with myofibroblast generation. Ocular Cell and Molecular Biology-ARVO, Sarasota Florida
- 9/27/05 Corneal wound healing and complications of refractive surgery, Manhattan Eye and Ear Infirmary, Manhattan, NY
- 12/1/05 Dry Eye Therapy: Movement beyond Palliative Treatment. Roles of Cyclosporine A 0.05% Emulsion for Dry Eye. Thailand Ophthalmological Society. Bangkok, Thailand
- 2/20/06 Topical cyclosporine A: A new paradigm in the treatment of ocular surface disease. World Ophthalmology Congress, Sao Paolo, Brazil
- 2/21/06 Baseline characteristics of patients diagnosed with dry eye. STEVEN E. WILSON;JEFF C. HONG;DIANE S. TANABE;DOUG O. DEHNING;GARY E. LUFFEY;JASON BACHARACH;TINA H. CHIANG;JOHN G. WALT;THE RESTORE STUDY GROUP. World Ophthalmology Congress, Sao Paolo, Brazil
- 2/24/06 Corneal wound healing after surface ablation: Translating basic science into clinical practice. World Ophthalmology Congress, Sao Paolo, Brazil
- 3/3/06 Dry Eye: Continuum of care. Allergan *Dry Eye Speaker Bureau Update Meeting*. Houston TX
- 3/10/06 Wound healing in the cornea: New Insights with clinical relevance. New Orleans Academy of Ophthalmology, New Orleans, LA

- 3/10/06 Femtosecond laser flaps in LASIK: clinical and laboratory studies. New Orleans Academy of Ophthalmology, New Orleans, LA
- 3/11/06 Haze in surface ablations: prevention and treatment. New Orleans Academy of Ophthalmology, New Orleans, LA
- 3/11/06 Diffuse lamellar keratitis: Etiologic differences between sporadic and epidemic DLK. New Orleans Academy of Ophthalmology, New Orleans, LA
- 3/11/06 Early cyclosporine A treatment for dry eye disease: Potential for cure? New Orleans Academy of Ophthalmology, New Orleans, LA
- 4/01/06 Femtosecond laser flaps in LASIK: clinical and laboratory studies. LARS Meeting, San Jose, Costa Rica
- 4/15/06 Treatment of chronic dry eye. Busan Korea
- 6/10/06 Pathophysiology of chronic dry eye, Singapore Eye Research, Singapore
- 9/12/06 Prevention of DLK in LASIK performed with the femtosecond laser, ISRS-AAO, Las Vegas Nevada
- 12/8/06 New insights into the generation and treatment of haze and inflammation after PRK and femtosecond laser LASIK, Taiwan Ophthalmological Society, Taipei, Taiwan
- 12/9/06 Dry eye therapy: Movement beyond palliative treatment roles of cyclosporine A 0.05% emulsion for dry eye, Taiwan Ophthalmological Society, Taipei, Taiwan
- 3/2/07 Dry Eye Treatment: Restasis, Asia-Arvo, Singapore
- 3/3/07 Plenary lecture, The Basement Membrane and Cellular Interactions in the Generation and Elimination of Haze-Related Myofibroblasts after PRK, Asia-Arvo, Singapore
- 3/4/07 Apoptotic vs Necrotic Stromal Cell Death in the Generation of Inflammation after LASIK with the Femtosecond Laser and the Microkeratome, Asia-Arvo, Singapore
- 5/19/07 Cyclosporine A treatment of dry eye. Turkish Academy of Ophthalmology, Florence, Italy
- 7/2/07 Wound Healing in the Cornea: Effects on Refractive Surgery Outcomes. Invited Lecture, Bogota, Colombia
- 9/7/07 Interleukin (IL)-1: The Master Regulator of the Corneal Response to Injury, OCMB-ARVO, Sarasota, FL

- 10/11/07 Tom Casey Memorial Lecture, The Role of Wound Healing in Refractive Surgery Complications, Dublin, Ireland, October, 2007
- 11/9/07 Wound Healing Control: It's all About the Epithelial Basement Membrane: ISRS-AAO Annual Meeting, New Orleans, LA
- 2/28/08 Wound Healing in the Cornea: Cytokine Regulation. Invited Professor, Bascom-Palmer Eye Institute, Miami, FL
- 2/29/08 Altered Wound Healing in Femtosecond Laser LASIK, Invited Professor, Bascom-Palmer Eye Institute, Miami, FL
- 3/13/08 Inflammatory Pathophysiology in Dry Eye, Singapore Ophthalmological Society, Singapore
- 3/26/08 Innovations in Ophthalmology, Update on the Biology of the Femtosecond laser-cornea interaction, Los Cabos, Mexico, March 2008
- 3/26/08 Innovations in Ophthalmology, Surface Ablation: It Still has a Role in Refractive Surgery, Los Cabos, Mexico, March 2008
- 3/26/08 Innovations in Ophthalmology, What Can We Learn from Myofibroblast Biology to Improve Surface Ablation?, Los Cabos, Mexico, March 2008
- 3/26/08 Innovations in Ophthalmology, Efforts to Develop Safer Alternatives to Mitomycin C to Prevent Haze, Los Cabos, Mexico, March 2008
- 4/15/08 Mitomycin C Treatment for Prophylactic Haze Treatment after PRK, Abu Dhabi, UAE
- 4/22/08 Femtosecond LASIK: Advantages over LASIK with the microkeratome, Abu Dhabi, UAE
- 5/16/08 Discussion: HSV Keratitis: Histopathologic Predictors of Corneal Allograft Complications, American Ophthalmological Society, Colorado Springs, Colorado
- 5/19/08 Corneal Wound Healing: Cytokine-mediated response to injury, Invited Professor, Oklahoma University School of Medicine, Oklahoma City, OK
- 5/29/08 My patient has PRK induced haze! Now what? ISRS-AAO Summer Meeting, Cancun, Mexico

- 5/29/08 LASIK induced dry eye: Microkeratome vs femtosecond laser. Best Paper at Session. ISRS-AAO Summer Meeting, Cancun, Mexico
- 11/7/08 Managing the dry eye after LASIK. ISRS-AAO, Atlanta, Georgia
- 1/15/09 Dry eye after LASIK. ASIA ARVO, Hyderabad, India
- 2/28/09 Femtosecond laser: optimizing the altered LASIK wound healing response to enhance wavefront-driven ablation results. OSSA Annual Meeting, Durban, South Africa
- 2/28/09 Prophylaxis and treatment of dry eye in refractive surgery patients. OSSA Annual Meeting, Durban, South Africa
- 2/29/09 Preventing and managing LASIK-induced ectasia. OSSA Annual Meeting, Durban, South Africa
- 5/14/09 Corneal haze and the biology of the myofibroblast, Visiting professor, Harvard University, Boston, MA
- 5/15/09 Femtosecond laser: Wound healing and enhanced clinical outcomes with LASIK, Visiting professor, Harvard University, Boston, MA
- 6/22/09 Corneal haze: The role of the myofibroblast. Bruce Jackson Award Lecture. Canadian Ophthalmology Society, Toronto, Canada
- 6/22/09 Ectasia: Prevention and management. Invited guest. Canadian Ophthalmology Society. Toronto, Canada
- 6/23/09 Dry eye pathophysiology and treatment. Invited guest. Canadian Ophthalmology Society. Toronto, Canada
- 1/13/10 Corneal Wound Healing. Visiting professor. Kreig Eye Institute, Detroit Michigan
- 3/25/10 Myofibroblast Biology in the Cornea. Ross Eye Institute Distinguished Lectures in Vision Science, SUNY Buffalo, NY
- 5/5/10 IL-1 Production In SMA+ Myofibroblasts and SMA- Stromal Cells After PRK. Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL.
- 6/9/10 Ocular surface syndrome: Dry Eye. World Ophthalmology Congress, Berlin, Germany

- 6/10/10 New insights into cytokine control of myofibroblast development, persistence and death in the development and disappearance of haze after PRK. World Ophthalmology Congress, Berlin, Germany
- 7/19/10 Cytokine regulation of myofibroblast viability. International Society of Eye Research, Montreal, Canada
- 8/11/10 Riboflavin-UV crosslinking: Biological effects in the cornea. Colombian Ophthalmological Society, Bogota, Colombia
- 8/11/10 DSEAK: Is it really better than PKP for endothelial diseases of the cornea? Colombian Ophthalmological Society, Bogota, Colombia
- 8/13/10 Ectasia after LASIK: Prevention and treatment, Colombian Ophthalmological Society, Bogota, Colombia
- 8/13/10 Haze after PRK: The Myofibroblast and safer methods for prevention in the future. Colombian Ophthalmological Society, Bogota, Colombia
- 10/16/10 A case of persistent pan after LASIK. ISRS-AAO Annual Meeting, Chicago, IL
- 1/19/11 New paradigms for the treatment of dry eye. ASIA-ARVO, Singapore, Singapore
- 5/27/11 Topical cyclosporine A for the treatment of dry eye disease. Ukraine Ophthalmological Society, Odessa, Ukraine
- 6/1/11 Cyclosporine A for treatment of dry eye and other anterior segment diseases. Russian Ophthalmological Society, St. Petersburg, Russia
- 7/7/11 Corneal myofibroblast generation from bone marrow-derived cells. Refractive On-line Annual Meeting, Grosseto, Italy
- 7/8/11 Cellular wound healing effects of riboflavin-UV-A collagen crosslinking in rabbit corneas. Refractive On-line Annual Meeting, Grosseto, Italy
- 7/8/11 Histopathological analysis of inflammation and stromal cell death after insertion of the Acufocus ACI 7000 lens in a rabbit model. Refractive On-line Annual Meeting, Grosseto, Italy

