

**CURRICULUM VITAE**  
**Mitchell P. Weikert**  
**2636 University Blvd.**  
**Houston, Texas 77005**

I. General Biographical Information

A. Personal

1. Name: Mitchell P. Weikert
2. DOB: 04/30/64; Birthplace: Hanover, PA; Citizenship: USA
3. Employer: Department of Ophthalmology  
Baylor College of Medicine  
6550 Fannin, Suite 1501  
Houston, TX 77030
4. Education:
  - a. Undergraduate Education:  
University of Wisconsin – Madison, WI (08/82 – 05/87)  
Bachelor of Science – Electrical Engineering (05/87)
  - b. Graduate Education:  
University of Texas – Austin, TX (08/92 – 08/94)  
Master of Science – Biomedical Engineering (08/94)  
Thesis: *Development and Characterization of a Confocal, Fiber-Optic Fluorescence Spectrometer*; Rebecca Richards-Kortum, PhD, Advisor.  
  
Medical Education:  
Baylor College of Medicine – Houston, TX (08/94 – 05/98)  
Doctorate of Medicine (05/98)
  - c. Postgraduate Training:  
Baylor College of Medicine – Houston, TX (06/98 – 06/99)  
Transitional Internship  
  
Baylor College of Medicine/Cullen Eye Institute – Houston, TX (07/99 – 06/02)  
Ophthalmology Residency  
  
University of Utah/Moran Eye Center – Salt Lake City, UT (07/02 – 06/03)  
Cornea, External Disease, Cataract, and Refractive Surgery Fellowship

B. Academic Appointments:

1. Current Faculty Position:  
Baylor College of Medicine (07/03 – Present)  
Assistant Professor of Ophthalmology

C. Other Information:

1. Honors or Awards:  
Baylor College of Medicine Dan B. Jones Teaching Award (2005)  
Ophthalmology Chief Resident (2001-2002)  
Stephen N. Schindler Award for High Ethical and Humane Standards (2002)  
Everett L. Goar Award for Best Resident Research (2001)  
Baylor College of Medicine Graduate with Honor (1998)  
Alpha Omega Alpha Honor Medical Society (1998)  
Baylor College of Medicine Basic Sciences Honors (1995)  
University of Texas University Fellowship (1992-1993)  
University of Wisconsin Graduate with Highest Distinction (1987)

2. Board Certification:  
American Board of Ophthalmology – Certification Process Completed 05/04 (Written Examination 04/03; Oral Examination 05/04)
3. Other Professional Experience:  
Electrical Design Engineer – Exxon Pipeline Company (06/87 – 12/88)  
Pipeline Engineer – Exxon Pipeline Company (01/89 – 07/92)

## II. Research Information

### A. Research Support

### B. National Scientific Participation

1. Professional Societies:  
American Academy of Ophthalmology (1999 – Present)  
American Society of Cataract and Refractive Surgery (1999 – Present)  
Association for Research in Vision and Ophthalmology (2003 – Present)  
International Society of Refractive Surgery (2005-Present)

### C. Publications:

#### 1. Full Papers:

Weikert MP, *Update on Bimanual Phacoemulsification*. Current Opinion in Ophthalmology 2005; 17(1): 62-67.

Wallin TR, Weikert MP, Moshirfar M. *The Effect of Flap-Hinge Placement on Post-LASIK Wound Healing in the Presence of Superior Corneal Vascularization*. J Cataract & Refract Surg 2003 Dec.; 29(12):2448-51.

#### 2. Other Full Papers – In Preparation:

Herz N, Weikert MP. *Modification of the Siepser Knot for Iris Fixation of Intraocular Lenses*. Manuscript in preparation, January 2006.

Weikert MP, Wang L, Koch DD, *Calculated Manifest Refraction as a Function of Pupil Size: Evaluation of the VISX® WaveScan™ Wavefront System*. Manuscript in preparation, January 2006.

#### 3. Abstracts:

Weikert MP, Koch DD, *Corneal Wound Architecture in Bimanual and Coaxial Microincision Cataract Surgery*. Paper accepted for presentation at the American Society of Cataract and Refractive Surgery Annual Meeting, April 2006.

Weikert MP, Koch DD, *Corneal Wound Architecture as a Function of Incision Size and Phaco Tip Diameter/Design in Bimanual Cataract Extraction*. Paper presented at the American Society of Cataract and Refractive Surgery Annual Meeting, April 2005. Best paper of session.

Weikert MP, Parghi C, Wang L, Padrick T, Glasser A, Koch DD, *Variation in Wavefront Aberrations with Age and Accommodation*. Paper presented at the American Society of Cataract and Refractive Surgery Annual Meeting, April 2005.

Weikert MP, Wang L, Koch DD, *Anterior Corneal Optical Aberrations in Wavefront-Guided PRK for Myopia and Myopic Astigmatism*. Paper presented at the American Society of Cataract and Refractive Surgery Annual Meeting, May 2004

Weikert MP, DePaiva C, Pflugfelder SC, *Blink-Pattern Analysis: Noninvasive Infrared-Based Measurement System*. Paper presented at the American Society of Cataract and Refractive Surgery Annual Meeting, May 2004.

Weikert MP, Wang L, Koch DD, *Calculated Manifest Refraction as a Function of Pupil Size: Evaluation of the VISX® WaveScan™ Wavefront System*. Poster presented at the Association for Research in Vision and Ophthalmology Annual Meeting, May 2003.

Kumar R, Moshirfar M, Weikert MP, *Wavefront Aberrations in Keratoconus*. Poster presented at the American Society of Cataract and Refractive Surgery Annual Meeting, April 2003.

Weikert MP, Pflugfelder SC, *Blink Pattern Analysis: A Non-Invasive, Infrared-Based Measurement System*. Abstract presented at the Baylor College of Medicine Ophthalmology Alumni Association Annual Meeting, June 2001.

Weikert MP, Chu YI, Wilhelmus KR, *Visual Outcome, Keratometric Results, and Graft Survival Following Penetrating Keratoplasty: A Retrospective Comparison of Multiple Surgical Variables*. Abstract presented at the Baylor College of Medicine Ophthalmology Alumni Association Annual Meeting, June 2000.

4. Books

Weikert MP, Bottros A, *The Femtosecond Laser: Current Applications in Corneal Surgery* In: Kohnen T & Koch DD (ed). *Essentials in Ophthalmology: Cataract and Refractive Surgery*. Berlin/Heidelberg, Germany: Springer-Verlag GmbH & Co., in press, 200.

Yen S, Weikert MP, *Ophthalmic Manifestations of Viral Diseases*. In: Tyring S (ed). *Mucosal Immunology & Virology*, London: Springer-Verlag GmbH & Co., in press, 2005.

Weikert MP, Koch DD, *Refractive Keratotomy: Does It Have a Future Role in Refractive Surgery?* In: Kohnen T & Koch DD (ed). *Essentials in Ophthalmology: Cataract and Refractive Surgery*. Berlin/Heidelberg, Germany: Springer-Verlag GmbH & Co., pp 217-32, 2004.

5. Other Works Communicating Research Results to Scientific Colleagues

Weikert MP, *Development and Characterization of a Confocal, Fiber-Optic Fluorescence Spectrometer*. Master of Science in Biomedical Engineering Thesis, University of Texas at Austin, August, 1994

III. Teaching Information

A. Didactic Course Work

1. Courses Taught at Current Institution  
Fundamentals of Clinical Optics (15 hours).  
Refractive Surgery (6 hours).  
Penetrating Keratoplasty (3 hours).  
Extracapsular Cataract Extraction (4 hours).  
Phacoemulsification Cataract Extraction (8 hours).  
Refraction and Retinoscopy (3 hours).

2. Courses Taught at Other Institutions:

Weikert MP, Basti S, Koch DD. *Corneal Topography: Pearls for your Clinical Practice*. Instructional course accepted for presentation at the American Society of Cataract and Refractive Surgery Annual Meeting, April 2006.

Weikert MP, Basti S, Racine L, Bottros A. *Corneal Topography: Pearls for your Clinical Practice*. Instructional course presented at the American Society of Cataract and Refractive Surgery Annual Meeting, April 2005.

Weikert MP, Basti S, Bottros A. *Fundamentals of Surgery Using the Intralase Femtosecond Laser*. Instructional course presented at the American Society of Cataract and Refractive Surgery Annual Meeting, April 2005.

Fundamentals of Clinical Optics, University of Utah 2003 (8 hours).

Corneal Dystrophies, University of Utah 2003 (1 hour).

Diagnosis and Management of Infectious Stromal Keratitis, University of Utah (2 hours).

B. Non-Didactic Teaching

1. Resident Training:

Clinical and Surgical Aspects of Ophthalmology – specifically in the areas of Cornea, External Disease, Cataract & Refractive Surgery (30% of time).

2. Clinical Fellow Training:

Clinical and Surgical Aspects of Ophthalmology – specifically in the areas of Cornea, External Disease, Cataract & Refractive Surgery (10% of time).

3. Research Fellow Training

4. Graduate Student Training

5. Other Non-Didactic Teaching

Clinical and Surgical Aspects of Ophthalmology – Medical Students (5-10% of time).

C. Lectures

Weikert MP. *Intracorneal Ring Segments: A New Option for the Treatment of Keratoconus*. Invited lecture at the 22<sup>nd</sup> Annual Symposium on Cornea, Contact Lenses, and Contemporary Vision Care 2005.

D. Visiting Professorships

IV. Medical & Service Information

A. Patient Care Responsibilities

1. Department Wide - Ophthalmology

2. Section or Subspecialty

a. Cornea, External Disease, Cataract & Refractive Surgery.

B. Clinical Laboratory Responsibilities

C. National Education or Voluntary Health Organization Participation

D. Administrative Assignments

E. Other Pertinent Information