

# CURRICULUM VITAE

Sylvia L. Hargrave, M.D.

## EDUCATION:

- 1994-1996      **University of Texas, Southwestern Medical Center**  
Dallas, Texas  
Clinical Fellow in Cornea and External Disease  
Preceptors: James P. McCulley, M.D., Dwight Cavanagh, M.D., Ph.D.,  
R. Wayne Bowman, M.D., Steven E. Wilson, M.D.
- 1991-1994      **Rutgers University**  
Newark, New Jersey  
Residency in Ophthalmology  
Chairman: Alphonse A. Cinnotti, M.D.
- 1990-1991      **Rutgers University**  
Newark, New Jersey  
Internship in Internal Medicine
- 1986-1990      **Boston University School of Medicine**  
Boston, Massachusetts  
Doctor of Medicine
- 1981-1985      **Vassar College**  
Poughkeepsie, New York  
Bachelor of Arts, *cum laude*
- 1977-1981      **Somerville High School**  
Somerville, New Jersey

## ACADEMIC APPOINTMENTS:

- 2003-present      Methodist Health System  
Department of Ophthalmology  
Chief of Ophthalmology
- 1997-2003      University of Texas Southwestern Medical Center  
Department of Ophthalmology  
Assistant Professor, Ophthalmology
- 1996-1997      University of Texas Southwestern Medical Center

Department of Ophthalmology  
Instructor, Ophthalmology

1994-1996      University of Texas Southwestern Medical Center  
Department of Ophthalmology  
Assistant Instructor/Clinical Fellow

**PROFESSIONAL SERVICE APPOINTMENTS:**

2018-present      Board Member, Methodist Health System Foundation  
1997-2003      Member, Continuing Medical Education Advisory Committee,  
University of Texas Southwestern Medical Center

2003-2013      Methodist Dallas Medical Center OR Committee

**POST-DOCTORAL TRAINEES (1996-2003):**

**Academic and Research Fellows**

William Trattler, M.D.  
Clinical Assistant Professor  
University of Miami School of Medicine, Miami, FL

Thomas Reddens, M.D.  
Assistant Professor (Academic Full Time)  
Louisiana State University School of Medicine, Shreveport, LA

Christopher Ta, M.D.  
Assistant Professor (Academic Full Time)  
Stanford University, Palo Alto, CA

Vinod Mootha, M.D.  
Assistant Professor (Academic Full Time)  
University of New Mexico, Albuquerque, NM

David Patel, M.D.  
Assistant Professor (Academic Full Time)  
Albany School of Medicine, Albany, NY

**CLINICAL TRAINEES:**

**Corneal Fellows**

Ozlem Abbasoglu, M.D.	Ankara, Turkey
William Chen, M.D.	Atlanta, GA

Adam Friend	New York, NY
John McInnes, M.D.	Chicago, IL
Eric Johnston, M.D.	Chicago, IL
Fusun Gokman, M.D.	Turkey
James Park, M.D., PhD	Bethesda, MD
Sameh El Agha, M.D.	Dallas, Texas
Binoy Jani, M.D.	Washington, DC
Joanne Shen, M.D.	Chicago, IL
Lars Hertzog, M.D.	Long Beach, CA
Robert Mason, M.D.	Springfield, IL
Jose Vargas, M.D.	Venezuela
Eric Skoog, M.D.	Phoenix, AZ
Michael Seward, M.D.	San Francisco, CA
Michael Shaughnessy, M.D.	Cleveland, OH
Denis Oral, M.D.	Anakara, Turkey
David Liang, M.D.	Los Angeles, CA

#### **PROFESSIONAL MEMBERSHIPS:**

1989	Association for Research in Vision and Ophthalmology
1991	American Academy of Ophthalmology
1994	Texas Medical Association/Ophthalmology Association
1996	Dallas Academy of Ophthalmology
1997	Pan American Association of Ophthalmology
1999	Castroviejo Corneal Society, Fellow
2002	American College of Surgeons, Candidate for Fellowship
2002	Fellow of the American College of Surgeons

#### **HOSPITAL APPOINTMENTS:**

2003-present	Methodist Health System- Dallas, TX
1994-2003	Parkland Memorial Hospital- Dallas, TX St. Paul Medical Center- Dallas, TX

Veterans Administration Medical Center-Dallas, TX  
John Peter Smith Hospital- Fort Worth, TX

1996-2003                      Zale Lipshy University Hospital- Dallas, TX

2003-present                      Methodist Medical Center Dallas  
Dallas, TX

**LICENSURE:**                      Texas – J6993  
Oklahoma – 18829

**BOARD CERTIFICATION:**                      Diplomat, American Board of Ophthalmology  
May 1997, Re-certification 2007, 2016  
Current certification expires May 2027

**RESEARCH GRANTS:**

1996-1998                      R01 EY07641-09  
Special supplement (\$40,000)  
Jerry Niederkorn, Principal Investigator  
Project Title: Immunobiology of Corneal Allografts

1997-2003                      NIH grant K08 EY00380-01  
Principal Investigator (\$720,000)  
Project Title: The Role of Antibody in Corneal Allograft  
Rejection

**CONTINUING MEDICAL EDUCATION PRESENTATIONS:**

April 30-May 5, 1989                      Scientific Program Participant, National Annual Meeting.  
Sarasota, FL                      Association for Research in Vision and Ophthalmology

May 14-19, 1995                      Scientific Program Participant, National Annual Meeting.  
Fort Lauderdale, FL                      Association for Research in Vision and Ophthalmology

July 11,1995                      Scientific Program Participant, Family Practice  
Waco, TX

September 23, 1995                      Invited Lecturer, Contact Lens Association of America  
Dallas, TX

April 21-26, 1996                      Scientific Program Participant, National Annual Meeting.

Fort Lauderdale, FL	Association for Research in Vision and Ophthalmology
February 26-28, 1998 Dallas, TX	Invited Lecturer, Eye Bank Association of Texas Annual Meeting and Corneal Symposium
May 8, 1998 Dallas, TX	Invited Lecturer, TX Optometric Association Meeting
May 10-15, 1998 Fort Lauderdale, TX	Scientific Program Participant, National Annual Meeting. Association for Research in Vision and Ophthalmology
September 27, 1998 Dallas, TX	Invited Lecturer Continuing Education for Optometrists
October 17, 1998 Dallas, TX	Invited Lecturer/Scientific Program Participant, Continuing Education for Primary Care Physicians
December 12, 1998 Dallas, TX	Invited Lecturer, Special Symposium Sjogren's Syndrome Baylor College of Dentistry/ Sjogren's Foundation.
May 8-14 1998 Fort Lauderdale, FL	Scientific Program Participant, National Annual Meeting, Association for Research in Vision and Ophthalmology
September 26, 1999 Dallas, TX	Presenter, Ophthalmology Pearls for Optometrists UT Southwestern Medical Center
October 20-23, 1999 Orlando, FL	Scientific Program Participant, American Academy of Ophthalmology Annual Meeting
October 20-23, 1999 Orlando, FL	Invited Course Speaker, Pan American Ophthalmological Society Joint Academy Meeting
December 4, 1999 Dallas, TX	Program Participant, Eye Pearls for PCPs
December 11, 1999	Invited Lecturer, CLAO Regional Contact Lens Course
May 1-5, 2000 Fort Lauderdale, FL	Scientific Program Participant, National Annual Meeting, Association for Research in Vision and Ophthalmology
October 7, 2000 Dallas, TX	Invited Lecturer, 3 <sup>rd</sup> Annual Ophthalmology Review -The Primary Care Physician.
April 29- May4, 2001	Scientific Program Participant, National Annual Meeting,

**PUBLICATIONS:****ARTICLES**

1. Yablonski ME, EL-Sayyad FF, Dennis PR, **Hargrave SL**, Coleman DJ: Use of therapeutic Ultrasound to restore failed trabeculectomies. *American Journal of Ophthalmology*, 103:492, 1987.
2. Mauriello JM, **Hargrave SL**, Yee SC, Ramon MN: Infection following insertion of alloplastic orbital floor implants- a study of nine patients. *American Journal of Ophthalmology*, 117:246,1994.
3. Qian L, Weng J, Mohan RR, Bennett GL, Schwall R, Wang ZF, Tabor K, **Hargrave SL**, Cuevas KH, Wilson SE: Hepatocyte growth factor and hepatocyte growth factor receptor in the lacrimal gland, tears and cornea. *Investigative Ophthalmology and Visual Science*, 37:5, 1996.
4. Kalin NS, Maeda N, Klyce SD, **Hargrave SL**, Wilson SE: Automated topographic screening for keratoconus in refractive surgery candidates. *CLAO* 22:3, 1996.
5. **Hargrave SL**, Hussein ZM, McCulley JP: Complications of combined radial hermkeroatoplasty and incisional keratotomy. *CLAO*, 23:3, 1997.
6. Wilson SE, Li Q, Monhan RR, Tervo T, Vesaluoma M, Bennett GL, Schwall R, Tabor K, Kim J, **Hargrave SL**, Cuevas KH: Lacrimal gland growth factors and receptors: lacrimal fibroblastic cells are a source of tear HGF. *Adv Exp Med Biol*. 438:625-8, 1998
7. **Hargrave SL**: The cornea, book and electronic media review. *Ophthalmic Surgery and Lasers*, 29:10, 1998
8. **Hargrave SL**, McCulley JP Hussein Z, and the Brolene Study Group: Results of a trial of combined propamidine isethionate and neomycin therapy for Acanthamoeba keratitis. *Ophthal* 106 (5), 1999.
9. **HargraveSL**, Weakley D, Wilson CA: Complications of ocular paintballs injuries in children. *Journal of Ophthalmic Nursing and Technology*, September/October 2000, / vol 19(5), 234-9.
10. **Hargrave SL**, Weakley D, Wilson CA: Complications of ocular paintball injuries in children. *Journal of Pediatric Ophthalmology and Strabismus*, November/December 2000, Vol 37(6), 338-43
11. **Hargrave SL**, Taherzadeh S, Hegde S, Niederkorn JY: High-risk corneal allografts are capable of stimulating complement dependent cytolytic antibodies. *Cornea*, 19(4): 521-525, 2000.

12. **Hargrave SL:** Glaucoma associated with primary disorders of the corneal endothelium. Clinical pathways in Glaucoma, Pub: Zimmerman, Kooner, 2001, Thieme Medical Publishers, Inc.
13. **Hargrave SL,** Jung JC, Fini ME, Gelender H, Cather C, Guidara A, Udell I, Fischer S, Jester JV, Bowman RW, McCulley JP, Cavanagh HD: The possible role of the vitamin E solubilizer in topical diclofenac on matrix metalloproteinase expression: An analysis of Post-operative Keratolysis, Ophthalmology: 109 (2), 343-350, 2002.
14. Hedge S, Mellon JK, **Hargrave SL,** Niederkorn JY: Effect of alloantibodies on corneal allograft survival, IOVS: 43(4) 1012-1018, 2002.
15. **Hargrave SL,** Mayhew E, Mellon J, Niederkorn JY: Interferon gamma and corneal allograft rejection, under review 2<sup>nd</sup>, IOVS, 2002
16. **Hargrave SL,** Mayhew E, Hegde S, Niederkorn JY: Corneal allograft rejection: a summary of the role of donor-specific alloantibody, accepted for publication, Archives of Ophthalmology 2002.

## ABSTRACTS

1. **Hargrave SL,** Richardson TM, Crean EV: Assays of phagocytosis of calf trabecular meshwork cell cultures ARVO, 1989
2. **Hargrave SL,** Kalin NS, Klyce SD, Wilson SE: Automated topographic screening for keratoconus in refractive surgery. ARVO, 1995
3. **Hargrave SL,** McCulley JP: Comparative effect of fluoromethalone acetate and fluoromethalone alcohol on intraocular pressure. ARVO, 1996.
4. Mohan RR, Li Q, Weng J, Bennett GL, Schwall R, Wang ZF, Rabor K, Kim J, **Hargrave SL,** Cuevas KH, Wilson SE: Hepatocyte growth factor and hepatocyte growth factor receptor expression in the lacrimal gland. ARVO, 1996.
5. **Hargrave SL,** Mayhew ES, Hegde S, Niederkorn JY: Susceptibility of murine corneal epithelial and endothelial cells to complement-dependent antibody. ARVO, 1997.
6. **Hargrave SL,** Hussein ZM, McCulley JP, and the Brolene Study Group: Therapeutic outcomes of Acanthamoeba keratitis. Academy, 1997.
7. Hegde S, **Hargrave SL,** Mellon J, Niederkorn JY: Antibody and cell mediated immune responses during rejection of a murine orthotopic corneal graft. ARVO, 1998.
8. Hargrave SL, Hegde S, Niederkorn JY: Role of antibody in corneal allograft rejection. ARVO, 1999
9. Hargrave SL, Hegde S, Mayhew E, Mellon J, Apte S, Niederkorn JY: The role of Th1 cells and interferon gamma in corneal allograft rejection. ARVO, 2000.
10. Shetty RK, Alapatt JJ, Hargrave SL, Wilson CA: Pars plana vitrectomy for diabetic macular edema. ARVO, 2000.
11. Patel D, Hargrave SL, Taherzadeh S, Hegde S, Niederkorn JY: High risk corneal allografts are capable of stimulating complement dependent cytolytic antibodies. ARVO 2000.
12. Song J, Li L, Jester JV, Hargrave SL: Do non-steroidal anti-inflammatory drugs induce apoptosis of corneal cells? ARVO, 2000.

13. Mason R, Gokmen F, Cheung, Hargrave SL, Bowman RW, Cavanagh HD, McCulley JP: PTK at the University of Texas Southwestern Medical Center: A three year retrospective study. ARVO, 2000.
14. Parver DL, Hargrave SL, Jung JC, Fini ME, Fischer S, Jester JV, McCulley JP, Cavanagh HD: Matrix metalloproteinase expression after photorefractive keratectomy complicated by corneal perforation. ARVO, 2000.
15. Apte RS, Jung JC, Fini ME, Jester JV, McCulley JP, Cavanagh HP, Hargrave SL: NSAIDs and Matrix Metalloproteinases in Postoperative Corneal Melts. Academy, 2000.
16. Hargrave SL, Mendelblatt D, Meyhew E, Niederkorn JY: Are minor histocompatibility antigens resistant to a Th2 form of corneal allograft rejection? ARVO, 2001.
17. Mendelblatt D, Chu YE, Meyhew EM, Niederkorn JY, Hargrave SL: Do Th2 mediated forms of corneal allograft rejection occur in the clinical setting? ARVO, 2001.
18. Shen JF, Whitson JT, El Agha MS, Kooner KS, Hargrave SL, Bowman RW, Cavanagh HD, McCulley JP: Glaucoma tube shunt placement in the setting of penetrating keratoplasty. ARVO, 2001.