

Name: Jeffrey P. Gilbard, MD

Education:

1975 A.B. Brown University, Magna Cum Laude  
1979 M.D. College of Physicians & Surgeons, Columbia University

Internship and Residencies:

1979-1980 Intern in Internal Medicine, Stanford University Medical Center, Palo Alto  
1981-1984 Resident in Ophthalmology, Harvard Medical School, Massachusetts Eye & Ear  
Infirmery, Boston

Research Fellowships:

1980-1981 Clinical Fellow in Ophthalmology, Harvard Medical School, Massachusetts Eye &  
Ear Infirmery, Boston  
1980-1981 Research Fellow in Ophthalmology, Harvard Medical School, Boston  
1984-1985 Cornea and External Disease Fellow, Harvard Medical School, Massachusetts Eye & Ear  
Infirmery, Boston

Licensure and Certification:

1980 Massachusetts License Registration  
1985 California License Registration  
1985 American Board of Ophthalmology, Certificate

Academic Appointments:

1976-1979 Research Associate, Ophthalmology, College of Physicians & Surgeons, Columbia  
University  
1980-1985 Staff Associate, Department of Cornea Research, Eye Research Institute of Retina  
Foundation  
1985-1987 Assistant Scientist, Department of Cornea Research, Eye Research Institute of Retina  
Foundation  
1985-1987 Instructor in Ophthalmology, Harvard Medical School  
1987- Clinical Associate Scientist, Department of Cornea Research, Eye Research Institute of  
Retina Foundation  
1987-1988 Assistant Professor of Ophthalmology, Harvard Medical School  
1988- Assistant Clinical Professor of Ophthalmology, Harvard Medical School

Hospital Appointments:

1985-1990 Assistant in Ophthalmology, Associate Staff, Massachusetts Eye & Ear Infirmery  
1989- Courtesy Staff, Newton-Wellesley Hospital  
1990-1992 Assistant in Ophthalmology, Active Staff, Massachusetts Eye & Ear Infirmery

1992-2002 Assistant Surgeon, Active Staff, Massachusetts Eye & Ear Infirmary  
 1992- Associate Staff, New England Eye Center  
 1992- Courtesy Staff, Winchester Hospital  
 1996-2002 Clinical Associate in Surgery, Massachusetts General Hospital  
 2002- Assistant Surgeon, Courtesy Staff, Massachusetts Eye & Ear Infirmary  
 2002- Clinical Affiliate in Surgery, Massachusetts General Hospital

Awards and Honors:

1977 Association for Research in Vision and Ophthalmology Young Vision Scientist Travel Award, Cornea Section, Spring Meeting, Sarasota, Fla.  
 1978 First Award, Scientific Exhibits, American Academy of Ophthalmology Annual Meeting, Kansas City, Mo.: "Tear osmolarity determination: A new diagnostic test for keratoconjunctivitis sicca."  
 1984 Heed Fellow  
 1997 Honorary Citizen, The City of New Orleans  
 2002 Inc 500 America's Fastest Growing Private Companies #356, Advanced Vision Research  
 2003 Inc 500 America's Fastest Growing Private Companies #422, Advanced Vision Research

National and Regional:

1984 Visual Sciences A1 Study Section, National Eye Institute, Special Reviewer  
 1984- Medical Advisory Panel, Sjogren's Syndrome Foundation  
 1986- Advisory Panel, Clinical Alert Program, Public Health Committee, American Academy of Ophthalmology  
 1988- Basic Science and Clinical Research Committee, Contact Lens Association of Ophthalmologists  
 1988- Scientific Committee, VI Symposium of the Lachrymal System  
 1991 Tobacco-Related Disease Research Program, University of California Office of Health Affairs, General Biomedical Science Study Section, Ad Hoc Member

Hospital:

1981-1982 Pharmacy Committee  
 1986-1987 Infection Control Committee  
 1989 Infection Control Committee

Schepens Eye Research Institute:

1990- Dry Eye Steering Committee  
 1992-93 Computer Committee  
 1994-97 Human Studies

Memberships, Offices and Committee Assignments in Professional Societies:

1975-1994 American Medical Association  
 1977- Association for Research in Vision and Ophthalmology  
 1980- Contact Lens Association of Ophthalmologists  
 1981-1984 American Academy of Ophthalmology, resident member

1983-1994 Massachusetts Medical Society  
 1985- American Academy of Ophthalmology, fellow  
 1986, 1991 Consultant, Committee on Ophthalmic Procedures Assessment, "Punctal Occlusion for the Dry Eye," American Academy of Ophthalmology  
 1987- Castroviejo Society, Member  
 1988- Massachusetts Society of Eye Physicians and Surgeons New England Ophthalmological Society  
 2005- Pan-American Association of Ophthalmology  
 2005 Vice President, International Society of Dacryology and Dry Eye

Editorial Boards:

1988- Editorial Board, Journal of Dacriology  
 1996- Medical Advisory Board, The Lupus Letter  
 1991- Ad hoc reviewer, Cornea  
 1991- Ad hoc reviewer, Ophthalmology  
 2002- Ad hoc reviewer, British Journal of Ophthalmology

Major Research Interests:

1. Dry-eye disorders
2. Lacrimal gland, tear film and ocular surface physiology
3. Trophic regulation of the ocular surface

Research Funding Information:

Past:

1978-1979 NEI project grant, Microvolume tear analysis, RO1 EY02841 (Co-investigator)  
 1980-1984 NEI project grant, Drying of the ocular surface, RO1 EY03373 (Principal Investigator)  
 1984-1988 NEI project grant, Drying of the ocular surface, RO1 EY03373 (Principal Investigator)  
 1988-1995 NEI project grant, Drying of the ocular surface, RO1 EY03373 (Principal Investigator)

Principal Clinical and Hospital Service Responsibilities:

1986-1988 Attending Physician, Cornea Service, Massachusetts Eye & Ear Infirmary  
 1988-2001 The Cornea Center  
 100 Charles River Plaza, Boston, Ma.;  
 Baldwin Park II, 7 Alfred St., Woburn, Massachusetts;  
 1261 Furnace Brook Parkway, Quincy, Massachusetts  
 2001- Tallman Eye Associates, Andover, Massachusetts  
 2006- Director, Dry Eye and Ocular Surface Disease Clinic, Tufts New England Eye Center

Corporate Responsibilities:

1987- Founder, CEO and Chief Scientific Officer, Advanced Vision Research, 660 Main St., 1<sup>st</sup> Floor, Woburn, Massachusetts 01801

## Self Report of Teaching:

### 1. Local Contributions

- 1986-1988 Attending Physician, Cornea Service, Massachusetts Eye & Ear Infirmary
- 1989 Lecturer, Harvard Medical School Continuing Education, Solving Cornea Problems, "Dry Eye Therapy"
- 1989 Lecturer, The Eye Research Institute of Retina Foundation and Postgraduate Medical Institute Continuing Education Program, The Differential Diagnosis of Chronic Ocular Irritation: Does this Patient have Keratoconjunctivitis sicca?, "Recent Advances in the Management of Difficult Ocular Problems"
- 1994 Lecturer, "The Tear Film: Pharmacological Approaches and Effects," New England Ophthalmological Society, Boston, MA, October 7, 1994.
- 1995 Lecturer, "Tears: What to do When They Don't Come," Lawrence Memorial Hospital Visiting Clinician Program, May 2, 1995.
- 1995 Lecturer, "New Advances in Managing Dry Eye Patients," South Shore Hospital's Continuing Medical Education Program, June 21, 1995.
- 1996 Invited Speaker, "Dry Eye: New Treatment Developments," New England Ophthalmological Society, October 4, 1996.
- 2001 Invited Speaker, "Dry Eye," Resident Education Program, New England Eye Center, October 4, 2001.
- 2002 Moderator, "The Patient with Chronic Eye Irritation," New England Ophthalmological Society, April 5, 2002.
- 2002 Lecturer, "Dry Eye," Resident Education Program, New England Eye Center, October 22, 2002.
- 2003 Invited Speaker, "Dry Eye: Natural History, Diagnosis and Treatment," Schepens Eye Research Institute Cornea Research Seminar, Schepens Eye Research Institute, June 17, 2003.
- 2003 Lecturer, "Dry Eye," Resident Education Program, New England Eye Center, October 2003.
- 2003 Lecturer, Harvard Biology of Ophthalmic Disease, "Dry Eye—Clinical Aspects," Massachusetts Eye and Ear Infirmary, Boston, MA, October 20, 2003.
- 2004 Invited Speaker, "Dry Eye: Natural History, Diagnosis and Treatment. The Diabetes and Dry Eye Connection." Joslin Diabetes Center, Longwood Medical Area Ophthalmology Conference, Harvard Medical School, October 8, 2004.

### 2. Regional, National or International Contributions

- 1981 Visiting Professor, Department of Ophthalmology, University of Kentucky at Lexington
- 1987 Lecturer, Northeast Regional Update Course, American Academy of Ophthalmology
- 1988 Visiting Professor, Department of Ophthalmology, Rhode Island Hospital
- 1989 Course Director, "The Dry Eye: Diagnosis and Management," American Academy of Ophthalmology, Annual Meeting
- 1990 Course Director, "The Dry Eye: Diagnosis and Management," Contact Lens Association of Ophthalmologists, Annual Meeting
- 1990 Lecturer, Regional Continuing Education Program for Ophthalmic Medical Personnel, Joint Commission on Allied Health Personnel in Ophthalmology, "Differential Diagnosis and Management of Ocular Irritation"
- 1990 Course Director, "The Dry Eye: Diagnosis and Management," American Academy of

- Ophthalmology, Annual Meeting
- 1991 Course Director, "The Dry Eye: Diagnosis and Management," Contact Lens Association of Ophthalmologists, Annual Meeting
- 1991 Course Director, "Dry Eye and Keratoconjunctivitis Sicca: Diagnosis and Management," New England Ophthalmological Society, Luncheon Seminar, September 13, 1991
- 1991 Course Director, "The Dry Eye: Diagnosis and Management," American Academy of Ophthalmology, Annual Meeting
- 1995 Sjögren's Syndrome Foundation, "A Major New Advance in Dry-Eye Treatment," Metropolitan New York Meeting, New York, NY, March 22, 1995.
- 1995 Grand Rounds, Department of Ophthalmology, New York Hospital, "Advances in Dry Eye Syndrome," October 12, 1995.
- 1996 Course Co-director, "Dry Eye and Ocular Surface Disease," Joint Commission of Allied Health Professionals in Ophthalmology, Chicago, IL, October 27, 1996
- Visiting Professor, New Orleans Academy of Ophthalmology, "Dry Eye" and "Non-healing Corneal Ulcers," February 21-23, 1997.
- 1997 Speaker, "Dry Eye: New Treatment Developments," Primary Care for Optometry, Spring Conference, Saratoga Springs, New York.
- 1997 Course Co-director, "Dry Eye and Ocular Surface Disease," Joint Commission of Allied Health Professionals in Ophthalmology, San Francisco, CA, October 26, 1997
- 1998 Visiting Professor, Washington National Eye Center Centennial Lecture Series "Dry Eye Physiology and Corneal Healing," January 31, 1998.
- 1998 Visiting Professor, Quarterly Meeting of Kent County Memorial Hospital Department of Ophthalmology, Providence, Rhode Island, February 10, 1998.
- 1998 Faculty, Aspen Corneal Society, "Dry Eye: Natural History, Diagnosis and Treatment," "A Vision-Threatening Case of Dry Eye," Aspen, Colorado, February 14-21, 1998.
- 1998 Guest Speaker, New York Society for Clinical Ophthalmology, Spring Meeting, "Dry Eye: Natural History, Diagnosis and Treatment," New York, New York, April 25, 1998.
- 1998 Guest Speaker, Glen Falls Association for the Blind, Primary Care Conference '98, "Dry Eye Diagnosis and Treatment," Glen Falls, New York, May 3-4, 1998.
- 1998 Visiting Professor and Honored Guest, 4th International Program on Cornea and Refractive Surgery, "Dry Eye: Mechanisms of Disease and Clinical Findings" and "Dry Eye: Natural History, Diagnosis and Treatment," Puerto Vallarta, Mexico, July 9-11, 1998.
- 1998 Course Co-director, "Dry Eye and Ocular Surface Disease," Joint Commission of Allied Health Professionals in Ophthalmology, New Orleans, Louisiana, November 9, 1998.
- 1998 Invited Speaker, "Punctal Plugs and the Dry Eye," 15th Annual Symposium, Cornea, Contact Lenses and Contemporary Vision Care, The University of Houston College of Optometry, Houston, Texas, December 4-6, 1998.
- 1998 Invited Speaker, "Therapeutic Management of Dry Eye Conditions," 15th Annual Symposium, Cornea, Contact Lenses and Contemporary Vision Care, The University of Houston College of Optometry, Houston, Texas, December 4-6, 1998.
- 1999 Speaker, "Dry Eyes," Hawaii '99—Nursing & Allied Health Program, Waikoloa, Hawaii, January 27, 1999.
- 1999 Invited Speaker, "Dry Eye: Mechanisms and Treatment," Hawaii '99, Waikoloa, Hawaii, January 28, 1999.
- 1999 Invited Speaker, "Dry Eye: Natural History, Diagnosis and Treatment," Primary Care for Optometry Conference '99, Uniondale, New York, February 1, 1999.
- 1999 Invited Speaker, "Mechanism and Treatment of Dry Eye following LASIK," Island Ophthalmology '99, Rio Mar, Puerto Rico, March 10, 1999.
- 1999 Participant, Latin America Dry Eye Experts Meeting, Sao Paulo, Brazil, March 22, 1999.
- 1999 Invited Speaker, "Dry Eye: Mechanisms, Natural History, Diagnosis and Treatment," Paulista School of Medicine, Sao Paulo, Brazil, March 22, 1999.

- 1999 Invited Speaker, "Dry Eye," Hosptial das Clínicas, Sao Paulo, Brazil, March 23, 1999.
- 1999 Invited Speaker, "Dry Eye," Minas Gerais Association of Ophthalmologists, Belo Horizonte, Brazil, March 23, 1999.
- 1999 Visiting Professor, "Dry Eye," Campinas University Department of Ophthalmology, Campinas, Brazil, March 24, 1999.
- 1999 Invited Speaker, "Dry Eye: Natural History, Diagnosis and Treatment," NECO '99, Providence, Rhode Island, April 23, 1999.
- 1999 Invited Speaker, "Dry Eye: Mechanisms, Diagnosis and Treatment," Nassau County Medical Center Dry Eye Symposium, East Meadow, New York, April 30, 1999.
- 1999 Invited Speaker, "Corneal Wound Healing," Primary Care Conference '99, Queensbury, NY, May 2, 1999.
- 1999 Invited Speaker, "Dry Eye: Natural History, Diagnosis and Treatment," EyeQuest, Chicago, Illinois, May 22, 1999.
- 1999 Invited Speaker, "Dry Eye: Natural History, Diagnosis and Treatment," Rochester Optometric Society, Rochester, New York, September 29, 1999.
- 1999 Invited Speaker, "A Cure for Dry Eye?" and "TheraTears-Treatment Modality for the Dry Eye," Northeastern Eye Care Network, Mt. Laurel, NJ, December 5, 1999.
- 2000 Invited Speaker, "Which treatment should I use for which dry eye patient?" The Royal Hawaiian Eye Meeting, Maui, Hawaii, January 19, 2000.
- 2000 Guest Speaker, "Finally We Can Treat Dry Eye (And Improve LASIK Outcomes)" Grand Rounds, Department of Ophthalmology, University of Arizona, Tuscon, Arizona, February 3, 2000.
- 2000 Invited Speaker, "Dry Eye: Natural History, Diagnosis and Treatment," Southwest Council of Optometry 2000 Annual Meeting, Dallas, Texas, March 12, 2000.
- 2000 Invited Speaker, "Corneal Wound Healing," Southwest Council of Optometry 2000 Annual Meeting, Dallas, Texas, March 12, 2000.
- 2000 Invited Speaker, "Historia Natural y Tratamiento del Ojo Seco (Natural History and Treatment of Dry Eyes)", Córnea, Refractiva, Faco 2000, Congreso Internacional, Santo Domingo, Dominican Republic, March 23-25, 2000
- 2000 Invited Speaker, "Corneal Healing Problems," Island Eye Care Seminar 2000, St. Thomas, Virgin Islands, April 5, 2000.
- 2000 Invited Speaker, "Dry Eye: Natural History, Diagnosis and Treatment" and "Corneal Healing Problems," Mountain West Council of Ophthalmology Congress, Las Vegas, Nevada, May 5, 2000.
- 2000 Invited Speaker, "Dry Eye: Natural History, Diagnosis and Treatment," Vermont Optometric Association Summer Meeting, Stowe, Vermont, July 8, 2000.
- 2000 Invited Speaker, "Dry Eye: Natural History, Diagnosis and Treatment," Northeastern Eye Center Latest Advances, Medina, Ohio, July 10, 2000.
- 2001 Invited Speaker, Nursing Program, "Dry Eye," The Royal Hawaiian Eye Meeting, Hawaii 2001, January 24, 2001.
- 2001 Invited Speaker, Physician's Program, "Dry-Eye Treatment: How Many Drops is Enough?" The Royal Hawaiian Eye Meeting, Hawaii 2001, January 25th, 2001.
- 2001 Invited Speaker, "Dry Eye and LASIK," SEE Island Eye Care Seminar, Cancun, Mexico, March 6, 2001.
- 2001 Invited Speaker, "Corneal Healing Problems," Northern Virginia Primary Eye Care Conference, McLean, VA, April 1, 2001.
- 2001 Invited Speaker, "Dry Eye: Natural History, Diagnosis and Treatment," New England Council of Optometrists, 79th Annual Eye Care Congress, Providence, Rhode Island, April 20th, 2001.
- 2001 Invited Speaker, "Corneal Healing Problems," New England Council of Optometrists, 79th Annual Eye Care Congress, Providence, Rhode Island, April 21st, 2001.
- 2001 Keynote Speaker, Opening General Session, "Dry Eye: Natural History, Diagnosis and

- Treatment,” Eye Care 2001, St. Charles, Illinois, May 4, 2001.
- 2001 Invited Speaker, “Dry Eye,” Eye-Sight 20/20, 2001 Continuing Education Spring Seminar, Natick, Massachusetts, June 3, 2001.
- 2001 Invited Speaker, “Corneal Healing Problems,” Eye-Sight 20/20, 2001 Continuing Education Spring Seminar, Natick, Massachusetts, June 3, 2001.
- 2001 Invited Speaker, “Dry Eye: Natural History, Diagnosis and Treatment,” Fall Educational Meeting, American Academy of Optometry, Dudley, MA, October 17, 2001.
- 2001 Invited Speaker, “Corneal Wound Healing,” Fall Educational Meeting, American Academy of Optometry, Dudley, MA, October 17, 2001.
- 2001 Invited Speaker, “Dry Eye: Natural History, Diagnosis and Treatment,” Focus on Education Update 2001, Cornea Research Foundation of America and Price Vision Group, October 27, 2001.
- 2001 Invited Speaker, “Corneal Healing Problems,” Focus on Education Update 2001, Cornea Research Foundation of America and Price Vision Group, October 27, 2001.
- 2002 Invited Speaker, “If It’s Not Dry Eye, What is It? (Differential Diagnosis of Dry Eye),” The Royal Hawaiian Eye Meeting, Hawaii 2002, January 24, 2002.
- 2002 Invited Speaker, “Which Treatment Should I Use For Which Patient?” The Royal Hawaiian Eye Meeting, Hawaii 2002, January 24, 2002.
- 2002 Invited Speaker, “Dry Eye: Natural History, Diagnosis and Treatment.” Ocular Symposium, Boston, MA, April 27, 2002.
- 2002 Invited Speaker, “Corneal Wound Healing,” Pittsburgh Primary Care 2002, Pittsburgh, PA, October 6, 2002.
- 2002 Invited Speaker, “Dry Eye: Natural History, Diagnosis and Treatment,” “How Omega-3s Treat Dry Eye,” and “Corneal Healing Problems.” Eye-Sight 20/20, Natick, MA, October 30, 2002.
- 2003 Invited Speaker, “How Omega-3s Treat Dry Eye,” The 2003 Royal Hawaiian Eye Meeting, Maui, HI, January 23, 2003.
- 2003 Invited Speaker, Cornea Conference, Emory University Eye Center, “Dry Eye: Natural History, Diagnosis and Treatment,” Atlanta, Georgia, February 21, 2003.
- 2003 Invited Speaker, 2003 SEE/ISRS Island Eyecare Seminar, “How Omega-3s Treat Dry Eye,” St. Marten, March 5, 2003.
- 2003 Invited Speaker, OptoWest 2003, California Optometric Association, “Ocular Surface Disease—From Dry Eye to Non-Healing Corneal Ulcers,” Anaheim, California, April 24, 2003.
- 2003 Invited Speaker, “A 2003 Approach to Treating the Dry Eye, Eye-Sight 20/20, Natick, MA May 18, 2003.
- 2003 Invited Speaker, The 106th Annual AOA Congress and 33rd Annual AOSA Conference: Optometry’s Meeting, “Technologies and Therapies for the New Millennium: Lasers And Beyond. San Diego, CA, June 20, 2003.
- 2003 Invited Speaker, OptoEast 2003, “Ocular surface disease: From dry eye to non-healing Corneal ulcers. Atlantic City, NJ, September 6, 2003.
- 2003 Invited Speaker, Optometry Society of DC Optometry Day 2003, “A 2003 approach to treating dry eye,” Arlington, VA, September 7, 2003.
- 2003 Invited Speaker, The 2003 Annual Clinical Meeting of the South Carolina Society of Ophthalmology and the North Carolina Society of Eye Physicians and Surgeons, “How Omega 3’s Treat Dry Eye,” Hilton Head, SC, September 11, 2003.
- 2003 Invited Speaker, Southern College of Optometry Alumni Weekend, “Ocular Surface Disease: From Dry Eye to Non-Healing Corneal Ulcers,” Memphis, TN, September 20th, 2003.
- 2003 Visiting Professor, Pharmaceutical Update, UAB School of Optometry, “Advances in OSD Treatment,” UAB School of Optometry, Birmingham, AL, October 4, 2003.
- 2003 Visiting Professor, New England College of Optometry, “Dry Eye: Natural History,

- Diagnosis and Treatment,” Boston, MA, October 7, 2003.
- 2003 Invited Speaker, Fall “Gumbo” CE Conference, Optometry Association of Louisiana, “Breakthrough Treatment of Dry Eye: The Omega-3 Revolution,” Lafayette, LA, October 11, 2003.
- 2003 Invited Speaker, Focus on Education Update 2003, Cornea Research Foundation of America and Price Vision Group, “Dry Eye and the Omega-3 Revolution,” Carmell, IN, October 25, 2003.
- 2003 Invited Speaker, Massachusetts Society of Optometrists, “Dry Eye: Natural History, Diagnosis and Treatment,” Marlborough, MA, November 9, 2003.
- 2003 Invited Speaker, Pennsylvania Society of Optometry, “Dry Eye: Natural History, Diagnosis and Treatment,” Philadelphia, PA, November 11, 2003.
- 2003 Invited Speaker, Federated Science Meeting of the Cornea Society and the Eye Bank Association of America “Dietary Omega-3 Fatty Acid Intake and Risk of Clinically Diagnosed Dry Eye Syndrome”, Anaheim, CA, November 15, 2003.
- 2003 Invited Speaker, Grand Rounds, Department of Ophthalmology, UT Southwestern Medical Center at Dallas, “Dry Eye: Natural History, Diagnosis and Treatment,” Dallas, TX, December 5, 2003.
- 2004 Course Director, “Dry Eye: Natural History, Diagnosis and Treatment,” 2nd Annual Contact Lens and Eyecare Symposium (CLES), Orlando, FL, January 23, 2004.
- 2004 Invited Speaker, “How Omega-3s Treat Dry Eye,” 2nd Annual Contact Lens and Eyecare Symposium (CLES), Orlando, FL, January 23, 2004.
- 2004 Invited Speaker, “Dietary Omega-3 Fatty Acid Intake and Risk of Clinically Diagnosed Dry Eye Syndrome”, Hawaii 2004: The Royal Hawaiian Eye Meeting, Maui, HI, January 29, 2004.
- 2004 Invited Speaker, “How Omega-3s Treat Dry Eye,” Aspen Corneal Society, Snowmass, CO, February 16, 2004.
- 2004 Invited Speaker, “Contact Lens Dryness: Mechanism and Treatment,” Eleventh International Contact Lens Conference, Cypress Lakes Resort, Hunter Valley NSW, Australia, March 16, 2004.
- 2004 Invited Speaker, “Dry Eye,” Ocular Surface Disease and the Contact Lens Wearer, Institute of Optometry, City University, London, England, March 22, 2004.
- 2004 Visiting Professor, “A 2004 Approach to Treating the Dry Eye,” Occhio Secco: Sintomo o Malattia, Dipartimento di Scienze Oftalmologiche, Università Degli Studi di Roma “La Sapienza,” Rome, Italy, March 25, 2004.
- 2004 Invited Speaker, “Nutraceuticals and Dry Eye,” Current Controversies in Dry Eye Management, NOVA Southeastern University College of Optometry, Fort Lauderdale, Florida, April 18, 2004.
- 2004 Invited Speaker, “Approach to Patients with Preop Epitheliopathy and Unstable Tear Film,” Optimizing the Ocular Surface—Translating Theory into Practice, Review of Refractive Surgery, Pre-ASCRS CME Meeting, San Diego, California, April 30, 2004.
- 2004 Invited Speaker, “Dietary Omega-3 Fatty Acid Intake and Risk of Clinically Diagnosed Dry-Eye Syndrome in Women,” American Society of Cataract and Refractive Surgery (ASCRS), San Diego, May 4, 2004.
- 2004 Invited Speaker, “Does Elevated Tear Film Osmolarity Cause Dry Eye?” Canadian Ophthalmological Society Annual Meeting, Vancouver, June 19, 2004.
- 2004 Invited Speaker, Keynote, “Dry Eye Management,” Specialists Club, Warrington, United Kingdom, October 12, 2004.
- 2004 Course Director, “Dry Eye Treatment Workshop,” Specialists Club, Warrington, United Kingdom, October 12, 2004.
- 2004 Invited Speaker, “Dry Eye: Natural History, Diagnosis and Treatment,” Corneal & External Disease Service Teaching Seminar, Moorfields Eye Hospital, London, United Kingdom, October 13, 2004.

- 2004 Invited Speaker, “Does Elevated Tear Osmolarity Cause Dry Eye?,” 34th Congress of the European Contact Lens Society of Ophthalmologists, Budapest, Hungary, October 15, 2004.
- 2004 Invited Speaker, “Contact Lens Dryness: Mechanism and Treatment,” 34th Congress of the European Contact Lens Society of Ophthalmologists, Budapest, Hungary, October 15, 2004.
- 2004 "Nutraceuticals and Dry Eye," Tampa, FL, December 10, 2004, The American Academy of Optometry 2004.
- 2005 “Does Elevated Tear Osmolarity Cause Dry Eye?” The Big Island of Hawaii, HI, January 20, 2005, The Royal Hawaiian Eye Meeting.
- 2005 “A New Approach to Preventing Endophthalmitis: Taking Aim at the Lids,” Aspen, CO, February 21, 2005, Aspen Cornea.
- 2005 “Dry Eye: What Your Ski Instructor Didn’t Teach You,” Aspen, CO, February 22, 2005, SkiVision 2005
- 2005 “Patient Response to Orbital Seal Dry Eye Wear” Aspen, CO, February 22, 2005, Aspen Cornea
- 2005 “Dietary Omega-3 Fatty Acid Intake & Risk of Clinically Diagnosed Dry Eye Syndrome in Women,” Santiago, Chile, March 18, 2005, Pan-American Association of Ophthalmology
- 2005 “Clinical Classification of Dry Eye (Clasificación de los desórdenes del ojo seco),” Santiago, Chile, March 21, 2005, Pan-American Association of Ophthalmology
- 2005 “Does Elevated Tear Film Osmolarity Cause Dry Eye?” Santiago, Chile, March 22, 2005, Pan-American Association of Ophthalmology
- 2005 “Dietary Omega-3 Fatty Acid Intake & Risk of Clinically Diagnosed Dry Eye Syndrome in Women,” Madrid, Spain, April 1, 2005, International Society of Dacryology and Dry Eye
- 2005 “Ojo Seco Hiponutricional: Curso de ojo seco para pacientes y médicos generales,” Madrid, Spain, April 1, 2005, Internacional Society of Dacryology and Dry Eye “Does Elevated Tear Film Osmolarity Cause Dry Eye?” Madrid, Spain, April 2, 2005, International Society of Dacryology and Dry Eye.
- 2005 “Ocular Surface Disease—From Dry Eye to Non-Healing Corneal Ulcers,” Groton, CT, April 10, 2005, EyeSight 20/20 Continuing Education Program
- 2005 “Bactericidal Effect of 2 Eyelid Cleansers on 40 Endophthalmitis Organisms,” Washington, DC, April 18, 2005, American Society of Cataract and Refractive Surgery
- 2005 Panelist: “Cornea: Dry Eye and Surface Irregularity,” Washington, DC, April 18, 2005, American Society of Cataract and Refractive Surgery
- 2005 “Developing the optimal artificial tear,” June 3, 2005, IV National S.I.C.S.S.O (Societa Italiana Cellule Staminali e Superficie Oculare) Congress, Venice, Italy y
- 2005 “Developing the Optimal Artificial Tear,” Venice, Italy, June 3, 2005, IV Congresso, Italian Society of Stem Cells and Ocular Surface,
- 2005 “Ojo Seco: Mecanismos y Tratamientos” June 29, 2005, Research Seminar, Instituto Universitario Oftalmología Aplicada,” Valladolid, Spain.
- 2005 “Ojo Seco: Mecanismos y Tratamientos,” Marbella, Spain, June 30, 2005, VIII Congreso Nacional de Enfermería en Oftalmología Marbella.
- 2005 “An Approach to Heal Non-Healing Corneal Ulcers,” Nantucket, MA, July 16, 2005, Nantucket Cornea 2005.
- 2005 “A New Addition to our Regimen to Reduce the Risk of Endophthalmitis,” Nantucket, MA, July 16, 2005, Nantucket Cornea 2005.
- 2005 “Dry Eye: Natural History, Diagnosis and Treatment,” October 8, 2005, Envision New York 2005, New York, New York.
- 2005 Gilbard JP, Paton B. The Eyelid Cleansers “EYELIDCL08” and “EYELIDCL09” are Bactericidal for 40 Endophthalmitis Organisms. Thirty-Ninth Annual Meeting Ocular

- Microbiology and Immunology Group, Chicago, IL, October 15, 2005.
- 2006 Bactericidal Effect of a New Lid Foam Formulation on 40 Endophthalmitis Organisms, Hawaiian Eye 2006, Maui, Hawaii, January 19, 2006.
- 2006 "Which comes first in dry eye: Tear hyperosmolarity or surface inflammation?" Aspen Cornea 2006, Snowmass, CO, February 12, 2006
- 2006 "Black diamonds and clinical pearls: Corneal wound healing, chronic eye irritation, endophthalmitis prevention, omega-3s," SkiVision 2006, Snowmass, CO, February 18, 2006.

#### Bibliography:

#### Original Reports

1. Gilbard JP, Farris RL, Santamaria J. Osmolarity of tear microvolumes in keratoconjunctivitis sicca. *Arch Ophthalmol.* 1978; 96:677-681.
2. Gilbard JP, Farris RL. Tear osmolarity and ocular surface disease in keratoconjunctivitis sicca. *Arch Ophthalmol.* 1979; 97:1642-1646.
3. Gilbard JP, Dartt DA. Changes in rabbit lacrimal gland fluid osmolarity with flow rate. *Invest Ophthalmol Vis Sci.* 1982; 23:804-806.
4. Farris RL, Gilbard JP, Stuchell RD, Mandel ID. Diagnostic tests in keratoconjunctivitis sicca. *CLAO J.* 1983; 9:23-28.
5. Gilbard JP, Farris RL. Ocular surface drying and tear film osmolarity in thyroid eye disease. *Acta Ophthalmol.* 1983; 61:108-116.
6. Gilbard JP, Carter JB, Sang DN, Refojo MF, Hanninen LA, Kenyon KR. Morphologic effect of hyperosmolarity on rabbit corneal epithelium. *Ophthalmology.* 1984; 91:1205-1212.
7. Gilbard JP, Kenyon KR. Tear diluents in the treatment of keratoconjunctivitis sicca. *Ophthalmology.* 1985; 92:646-650.
8. Gilbard JP. Topical Therapy for Dry Eyes. *Trans Ophthalmol Soc U K.* 1985; 104:484-488.
9. Gilbard JP. Effect of hyperosmolarity on ocular surface epithelium in vivo. In: *Proceedings of the VIIth Congress of the European Society of Ophthalmology, Helsinki, 21-25 May, 1984.* Helsinki: 1985:354-58.
10. Hanninen LA, Gilbard JP, Wang SJ, Kenyon KR. Familial systemic amyloidosis with lattice corneal dystrophy. In: *Proceedings of the VIIth Congress of the European Society of Ophthalmology, Helsinki, 21-25 May, 1984.* Helsinki: 1985: 438-40.
11. Vogt MW, Ho DD, Bakar SR, Gilbard JP, Schooley RT, Hirsch MS. Safe disinfection of contact lenses after contamination with HTLV-III. *Ophthalmology.* 1986; 93:771-774.
12. Gilbard JP, Gray KL, Rossi SR. A proposed mechanism for increased tear-film osmolarity in contact lens wearers. *Am J Ophthalmol.* 1986; 102:505-507.
13. Gilbard JP, Rossi SR, Gray KL. A new rabbit model for keratoconjunctivitis sicca. *Invest Ophthalmol Vis Sci.* 1987; 28:225-228.
14. Gilbard JP, Gray KL, Rossi SR. Improved technique for storage of tear microvolumes. *Invest Ophthalmol Vis Sci.* 1987; 28:401-403.
15. Gilbard JP, Hanninen LA, Rothman RC, Kenyon KR. Lacrimal gland, cornea, and tear film in the NZB/NZW F1 hybrid mouse. *Curr Eye Res.* 1987; 6:1237-1248.
16. Gilbard JP, Rothman RC, Kenyon KR. A new donor cornea marker and punch for penetrating keratoplasty. *Ophthalmic Surg.* 1987; 18:908-911.
17. Gilbard JP, Rossi SR, Gray KL, Hanninen LA, Kenyon KR. Tear film osmolarity and ocular surface disease in two rabbit models for keratoconjunctivitis sicca. *Invest Ophthalmol Vis Sci.* 1988; 29:374-378.
18. Dartt DA, Shulman M, Gray KL, Rossi SR, Matkin C, Gilbard JP. Stimulation of rabbit lacrimal gland secretion with biologically active peptides. *Am J Physiol.* 1988; 254 (Gastrointest Liver

- Physiol 17):G300-G306.
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