

CURRICULUM VITAE

STUART L. FINE, M.D.

Visiting Clinical Professor of Ophthalmology
Department of Ophthalmology
University of Colorado School of Medicine
1675 Aurora Court, Mail Stop F731
Aurora, CO 80045

I. CURRENT INFORMATION

Current Position:

Visiting Clinical Professor, Department of Ophthalmology,
University of Colorado School of Medicine, Aurora, Colorado

Principal Academic Interests:

Age-Related macular degeneration: epidemiology, pathogenesis, early diagnosis,
treatment, and prevention of complications

Education for medical students and residents

Randomized clinical trials to evaluate new and existing treatments

II. EDUCATION

1958 - 1962 University of Maryland, College Park, MD
B.A., Philosophy

1962 - 1966 University of Maryland School of Medicine, Baltimore, Maryland.
M.D.

III. SERVICE

1967 - 1969 Medical Consultant and Acting Chief, Professional Training Section,
Neurological and Sensory Disease Control Program, U.S. Public Health
Service, Arlington, Virginia

Co-Chairman, International Symposium on the Treatment of Diabetic
Retinopathy, Airlie, Virginia (Sponsored by the U.S. Public Health
Service)

IV. PROFESSIONAL TRAINING

- INTERNSHIP 1966 - 1967 Straight Medicine Internship, Department of Medicine, University of Maryland Hospital, Baltimore, Maryland
- RESIDENCY 1969 - 1972 Assistant Resident, Resident, Chief Resident and Fellow in Corneal and External Diseases, University of Florida College of Medicine, Gainesville, Florida
- FELLOWSHIP 1972 - 1973 N.I.H. Special Fellow in Retinal Diseases, The Wilmer Ophthalmological Institute, The Johns Hopkins Medical Institutions, Baltimore, Maryland

V. ACADEMIC APPOINTMENTS

- 1973 - 1976 Assistant Professor of Ophthalmology, The Johns Hopkins University School of Medicine, Baltimore, Maryland
- 1974 - 1985 Assistant Professor of Emergency Medicine, The Johns Hopkins University School of Medicine, Baltimore, Maryland
- 1976 - 1982 Associate Professor of Ophthalmology, The Johns Hopkins University School of Medicine, Baltimore, Maryland
- 1982 - 1990 Professor of Ophthalmology, The Johns Hopkins University School of Medicine, Baltimore, Maryland
- 1991 - 2010 William F. Norris and George E. deSchweinitz Professor and Chairman, Department of Ophthalmology, University of Pennsylvania School of Medicine; Director, Scheie Eye Institute
- 2010 - 2011 Irene Heinz Given and John LaPorte Given Research Professor of Ophthalmology, Director Emeritus, Scheie Eye Institute
- 2010 - present Emeritus Professor of Ophthalmology, University of Pennsylvania School of Medicine
- 2010 - present Visiting Clinical Professor, Department of Ophthalmology, University of Colorado School of Medicine, Aurora, Colorado

VI. UNIVERSITY APPOINTMENTS AND ACTIVITIES

- 1976 Oral Surgery Search Committee, Johns Hopkins University School of Medicine

- 1979 - 1985 Instructor and Assistant Professor Reappointment and Review Committee, Johns Hopkins University School of Medicine
- 1979 - 1980 Ad Hoc member, Educational Policy and Curriculum Committee, Johns Hopkins University School of Medicine
- 1980 - 1987 Member, Educational Policy and Curriculum Committee, Johns Hopkins University School of Medicine
- 1980 Year 2000 Committee (Long Range Planning), Johns Hopkins University School of Medicine
- 1982 Chairman, Subcommittee on Electives, Educational Policy and Curriculum Committee, Johns Hopkins University School of Medicine
- 1983 Dean's Committee on Education and Training Programs, Johns Hopkins University School of Medicine
- 1985 Dean's Long Range Planning Committee, Johns Hopkins University School of Medicine
- 1986 - 1989 Professorial Promotions Committee, Johns Hopkins University School of Medicine
- 1989 - 2001 Member, Board of Councilors, The Johns Hopkins Medical and Surgical Association
- 1991 - 2010 Standing Committee of Departmental Chairs and Directors of Centers and Institutes, University of Pennsylvania School of Medicine
- 1991 - 2010 Clinical Practices Executive Committee, University of Pennsylvania School of Medicine
- 1992 -2000 Dean's Steering Committee, University of Pennsylvania School of Medicine
- 1993 Search Committee, Vice-Dean for Research, University of Pennsylvania School of Medicine
- 1993 - 1994 Search Committee, Chair of Department of Dermatology, University of Pennsylvania School of Medicine
- 1995 - 1996 Search Committee, Chair of Department of Physical Medicine and Rehabilitation, University of Pennsylvania School of Medicine

- 1996 - 1999 Clinical Practices Executive Committee Council, University of Pennsylvania School of Medicine
- 1997 - 2001 Distinguished Graduate Award Selection Committee, University of Pennsylvania School of Medicine

VII. DEPARTMENTAL APPOINTMENTS AND ACTIVITIES (Johns Hopkins)

- 1973 - 1974 Chairman, Incidents Review Committee
- 1975 Photography Committee
- 1973 - 1979 Co-Director, Retinal Vascular Center
- 1974 - 1990 Director of Undergraduate Education in Ophthalmology
- 1979 - 1990 Director, Retinal Vascular Center
- 1976 - 1983 Director, Medical Retina Fellowship Program, Retinal Vascular Center
- 1973 - 1983 Residency Selection Committee, The Wilmer Institute
- 1984 - 1990 Professorial Promotions Committee, The Wilmer Institute
- 1989 - 1990 Chairman, Professorial Promotions Committee, The Wilmer Institute
- 1989-2001 Board of Councilors, The Johns Hopkins Medical and Surgical Association

VIII. HOSPITAL APPOINTMENTS

- 1973 - 1990 Ophthalmologist, The Johns Hopkins Hospital
- 1973 - 1976 Consultant, Friedenwald Eye Residency, Maryland General Hospital, Baltimore, Maryland
- 1977 Consultant, National Naval Medical Center, Bethesda, Maryland
- 1977 Consultant, U.S. Air Force Hospital, Andrews AFB, Maryland AFB, Maryland
- 1991-2010 Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania
- 1991-2010 Presbyterian Medical Center of Philadelphia, Philadelphia, Pennsylvania

IX. TEACHING ACTIVITIES (JHU = Johns Hopkins)

Director of Undergraduate Education in Ophthalmology (JHU)

Director of Clinical Skills Course in Ophthalmology (JHU)

Director of Required Clerkship in Ophthalmology (JHU)

Director of Elective Program in Ophthalmology (JHU)

Director of Retinal Vascular Center Elective Program (JHU)

Curriculum Advisor for Ophthalmology (JHU)

Preceptor each year for approximately one to four medical students who were engaged in research projects in Retinal Vascular Center (JHU)

Lecturer, required clerkship and elective for medical students

X. BOARD CERTIFICATION

1966 Maryland Board of Medical Examiners

1967 National Board of Medical Examiners

1970 Florida Board of Medical Examiners

1974 American Board of Ophthalmology

1991 Pennsylvania Board of Medical Examiners

XI. MEDICAL LICENSES

1969 - 1992 Maryland Physician License (inactive)

1973 - 2005 Florida Medical License (inactive)

1991 - 2012 Pennsylvania Medical Physician and Surgeon License (inactive)

2010 - Colorado Physician License (active)

XII. VISITING PROFESSORSHIPS

1979 University of Florida, Gainesville

- 1979 University of North Carolina, Chapel Hill
- 1980 Mt. Sinai School of Medicine, New York
- 1980 Louisiana State University, New Orleans
- 1981 Tufts University, Boston
- 1984 Manhattan Eye, Ear, and Throat Hospital, New York
- 1984 Mayo Clinic, Rochester, Minnesota
- 1984 Retina Research and Development Foundation, Washington University, St. Louis
- 1984 Wills Eye Hospital, Thomas Jefferson University, Philadelphia
- 1985 Mt. Sinai School of Medicine, New York
- 1985 Long Island Jewish Hospital, New York
- 1986 Duke University, Durham, North Carolina
- 1987 University of Michigan, Ann Arbor
- 1987 University of Pittsburgh, Pittsburgh
- 1987 University of Kansas, Kansas City
- 1987 University of Iowa, Iowa City
- 1988 Bascom Palmer Eye Institute, University of Miami
- 1989 Kresge Eye Institute, Wayne State University, Detroit
- 1989 Scheie Eye Institute, University of Pennsylvania, Philadelphia
- 1989 Paul Chandler Visiting Professorship, Harvard Medical School/Massachusetts Eye & Ear Infirmary, Boston
- 1989 University of Illinois Eye & Ear Infirmary, Chicago
- 1991 University of South Florida, Tampa
- 1991 Mount Sinai School of Medicine, New York

- 1992 Wills Eye Hospital, Thomas Jefferson University, Philadelphia
- 1992 Hahnemann University Hospital, Philadelphia
- 1992 Long Island Jewish-Hillside Medical Center and North Shore University Hospital,
New York
- 1992 Yale University, New Haven
- 1993 North Shore Hospital, Cornell Medical Center, Manhasset
- 1993 Wills Eye Hospital, Thomas Jefferson University, Philadelphia
- 1995 Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston
- 1995 University of Washington School of Medicine, Seattle
- 1996 University of Alabama School of Medicine at Birmingham
- 1996 Penn State College of Medicine, Hershey, Pennsylvania
- 1996 Albany Medical College, Scotia, New York
- 1996 UMDNJ, New Jersey's University of the Health Sciences, Newark, NJ
- 1997 Mayo Clinic, Rochester, Minnesota
- 1999 Ray Pilkerton Visiting Professorship, Georgetown University
- 2006 Robert Jampel Visiting Professorship, Kresge Eye Institute, Detroit
- 2007 Theresa and Wayne Caygill Lecture, UC San Francisco
- 2010 University of Washington School of Medicine, Seattle

XIII. SOCIETIES AND ORGANIZATIONS

- 1970 Association for Research in Vision and Ophthalmology
- 1973 Wilmer Residents Association
- 1974 Southern Medical Association
- 1974 Research to Prevent Blindness

- 1975 American Academy of Ophthalmology and Otolaryngology, Fellow
- 1975 Maryland Ophthalmological Society
- 1978 Macula Society (Charter Member)
- 1977 Chairman, Macula Society Research Committee (1977 - 1985)
- 1977 Member, Macula Society Executive Committee (1977 - 1985)
- 1980 Atlantic Coast Fluorescein Club (Founding Member)
- 1980 Maryland Society of Eye Physicians and Surgeons
- 1981 Retina Society
- 1981 Fluorescein Angiography Club
- 1982 American Society of Retina Specialists (formerly The Vitreous Society) (Charter Member)
- 1985 Member, Macula Society Program Committee
- 1991 Member, Pennsylvania Academy of Ophthalmology
- 1991 Association of University Professors of Ophthalmology
- 1992 Member, The College of Physicians of Philadelphia
- 1993 - 2009 Trustee, Heed Ophthalmic Foundation
- 1994 Trustee, Association of University Professors of Ophthalmology
- 1997 President-Elect, Association of University Professors of Ophthalmology (AUPO)
- 1998 - 2000 President, Association of University Professors of Ophthalmology (AUPO)
- 1999 - 2007 Chairman's National Advisory Council, The Seeing Eye Foundation Foundation, Morristown, New Jersey
- 2009 - present Association of University Professors of Ophthalmology representative to the American Association of Medical Colleges and to the Council of Academic Societies

XIV. NATIONAL COMMITTEES AND ACTIVITIES

1. Chairman, MACULAR PHOTOCOAGULATION STUDY (MPS), NIH-supported national clinical trial involving 15 participating clinical centers; Chairman, Executive Committee (1979-1994), Principal Investigator and Director, Fundus Photograph Reading Center (1979-1991)
2. Chairman, Data and Safety Monitoring Committee, HLA Cross-Match Testing for Penetrating Keratoplasty, NIH-supported clinical trial, (1980 - 1985)
3. Chairman, Research Committee, The Macula Society, (1977 - 1985)
4. Editorial Committee, Diabetic Retinopathy Study (DRS), NIH-supported multi-center trial, (1973 - 1980)
5. National Eye Institute, Ad Hoc Consultant for Vision Research Program Committee
6. Consultant to National Eye Institute Planning Committee on Diseases of the Retina
7. Co-Chairman, International Symposium on the Treatment of Diabetic Retinopathy (sponsored by U.S. Public Health Service), Airlie, VA; proceedings published June, 1969
8. The National Society for Prevention of Blindness Committee on Retinal Diseases (1981 and 1985)
9. American Board of Ophthalmology, Associate Examiner 1976 - 1982
10. Chairman, COLLABORATIVE OCULAR MELANOMA STUDY, (COMS), NIH-supported clinical trial involving 43 centers in North America, 1985 - 2000
11. Association for Research in Vision and Ophthalmology, Retina Section Committee, 1985 - 1988; Chairman 1986 - 1987
12. Witness, United States Senate and House of Representatives testifying on behalf of Citizens' Budget for National Eye Institute, 1981 and 1982 (organized by Research to Prevent Blindness)
13. Advisory Committee, Wisconsin Epidemiologic Study of Macular Degeneration, 1985 - 1987
14. Chairman, Clinical Research Panel, National Eye Institute Long-Range Vision Research Plan, 1990 - 1991

15. Member, Data and Safety Monitoring Committee for Age-Related Eye Disease Study (AREDS), a multi-center clinical trial sponsored by the National Eye Institute, 1993 - 2001
16. Chairman, CHOROIDAL NEOVASCULARIZATION PREVENTION TRIAL, NIH-supported clinical trial involving 15 centers in U.S., 1994-1999
17. Chairman, COMPLICATIONS OF AGE-RELATED MACULAR DEGENERATION PREVENTION TRIAL, NIH-supported clinical trial involving 23 clinical centers in U.S., 1999-2004.
18. Chairman, Scientific Review Committee, American Health Assistance Foundation, Macular Degeneration Research, 1999-2002
19. EyeNet Editorial Advisory Board, American Academy of Ophthalmology, 2000-2003.
20. Vice Study Chair, Comparison of AMD Treatments Trial (CATT), NIH-supported trial involving 45 clinical centers (2008-present)
21. Oversight Committee and Policy Advisory Board for MacTel, the International Macular Telangiectasia Project (2006-2010)
22. Founder, organizer and moderator for the annual Heed Ophthalmic Foundation Residents Retreat (2006-present). The retreat is designed to facilitate transition from professional training to academic career.
23. Chair, Data and Safety Monitoring Board (DSMB) for the Foundation Fighting Blindness-supported trial on Valproic Acid for Autosomal Dominant Retinitis Pigmentosa (2012-2016)

XV. HONORS AND SPECIAL RECOGNITION

1. Paul Ehrlich Prize in Pharmacology, University of Maryland School of Medicine, 1964 (best research presentation by a second year medical student)
2. Billings Silver Medal for Best Scientific Exhibit, American Medical Association Annual Meeting, Section on Ophthalmology, New York, 1973 (With A. Patz and Associates).
3. Second Prize, A.A.O.O. Film Competition in Ophthalmology, for "Principles and Clinical Application of Fluorescein Angiography," 1976
4. The Professors Award for Excellence in Teaching, given by The Johns Hopkins

- University School of Medicine, 1982 (recipient of first award)
5. Research to Prevent Blindness Science Writers Seminar, 1982 (Treatment of Age-Related Macular Degeneration)
 6. American Academy of Ophthalmology, Honor Award, 1984
 7. Association for Research in Vision and Ophthalmology, Retina Section, Committee, 1985 - 1988; Chairman, 1986 - 1987
 8. Research to Prevent Blindness Science Writers Seminar, 1986 (The Collaborative Ocular Melanoma Study)
 9. Guest of Honor, Canadian Ophthalmological Society, Annual meeting, June, 1990, Toronto.
 10. Guest of Honor, Dedication of the New England Eye Center, Tufts University, Boston, September 1993.
 11. American Academy of Ophthalmology Senior Honor Award, 1993
 12. J. Donald M. Gass, M.D. Award for outstanding contributions to macular research, Macula Society Annual Meeting, Palm Beach, Florida, February 1995.
 13. Listed in Naifeh and Smith, Best Doctors in America, Aiken, South Carolina: Woodward/White, 1992-1993, 1994-1995, 1996-1997, and all editions to date (2016).
 14. Listed in “Best Doctors” in *American Health*, March 1996 issue.
 15. Listed in “World Class Medicine” in *Philadelphia Magazine*, May 1997 issue
 16. Retina Research Fund Award of Merit 1997 (Awarded by the Retina Research Fund and the Retina Society for Lifetime Contributions to Retina Research)
 17. Pisart Vision Award presented by Lighthouse International, New York, given for noteworthy contributions to the prevention and treatment of vision impairment or blindness. September 28, 2004
 18. Edward Jackson Memorial Lecture: Keynote address at the annual meeting of the American Academy of Ophthalmology Meeting, New Orleans, LA October 24, 2004
 19. Edmund Spaeth Oration, College of Physicians of Philadelphia, March 7, 2005

20. Age-related macular degeneration, Contemporary Clinical Medicine, Great Teachers Lecture Series, National Institutes of Health , April 13, 2005
21. Life Achievement Award given by American Academy of Ophthalmology, 2006
22. Michaelson Medal and Lecture for lifetime contributions to ophthalmology and prevention of blindness, awarded by International Michaelson Society on behalf of Hadassah Medical Center, Hebrew University, 2008
23. Honored Member by the Greater Philadelphia Ophthalmic Society in recognition of many outstanding contributions to the field of ophthalmology, January 2010
24. Visionary Award; recognition of outstanding contributions to the field of ophthalmology, given by the Foundation Fighting Blindness, June 2010

XVI. NAMED LECTURESHIPS

1. Sheldon B. Freeman Memorial Lecture, Buffalo Ophthalmologic Society, Buffalo, New York, April 10, 1975.
2. First Retina Research and Development Foundation Visiting Professor, Washington University, St. Louis, September 6-7, 1984
3. First Joseph Smiddy Memorial Lecturer, The Wilmer Institute, September 14, 1984
4. Krill Memorial Lecture, Chicago Ophthalmologic Society, Chicago, November 1985.
5. Edward Curran Memorial Lecture, University of Kansas, Kansas City, April 1987.
6. George Thompson Lecture: Philosophy and Controversy in Ocular Melanoma, Ontario Cancer Institute/Princess Margaret Hospital, University of Toronto. November 4, 1988.
7. Paul Chandler Lecture, Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, 1989.
8. Victor Simpson Lecture, Washington Hospital Center, Washington, D.C., February 18, 1989.
9. S. Dace McPherson Lectureship, University of North Carolina, Chapel Hill, North Carolina, December 2, 1989.
10. E.A. Baker Lecture, Canadian Ophthalmological Society 53rd Annual Meeting,

Quebec City, June 24-27, 1990.

11. Sixth Annual Richard Hoover Lecture, 25th Anniversary Meeting, Greater Baltimore Medical Center, Dept. of Ophthalmology, Symposium on Technology in Ophthalmology, September 25, 1990.
12. Edward Perraut Lecture, Washington National Eye Center, 1992.
13. Dupont Guerry, III, M.D. Lecture, The 11th Annual Medical College of Virginia Ophthalmology Conference: The Diabetic Eye, April 13, 1992.
14. Paul Cibis Lecture, Paul Cibis Society annual meeting, Santa Fe, New Mexico, June 11, 1993.
15. Melvin Rubin Lecture, Florida Medical Society, Boca Raton, Florida, September 1995.
16. Charles L. Schepens lecture, (given at annual meeting of Retina Society in conjunction with Award of Merit for Retina Research) Vancouver, September 8, 1997
17. Sandy Gifford Memorial Lecture, Annual Meeting, Chicago Ophthalmologic Society, May 20, 1999
18. Raymond Pilkerton Lecture, Alumni Day, Georgetown University, June 12, 1999.
19. S. Dace McPherson, Sr. Samuel Dace McPherson, Jr. Memorial Lecture, Alumni Day, University of North Carolina at Chapel Hill, June 22, 2001
20. Robert S. Jampel Lecture, Kresge Eye Institute, June 2006

XVII. SCIENTIFIC EXHIBITS

1. "Management of Diabetic Retinopathy and Macular Diseases." In collaboration with John W. Payne, Howard Schatz, James S. Kelley, Arnall Patz, David Pendergrast, Uriel Ticho, and Joseph W. Berkow. (BILLINGS SILVER MEDAL). American Medical Association, New York, 1974. (Ref: JAMA 225 (4):366, July 23, 1976).
2. "Diseases of the Macula." With Arnall Patz, Daniel Finkelstein, A. Edward Maumenee, and David Orth. Annual Meeting, American Academy of Ophthalmology and Otolaryngology, 1976, Dallas.
3. "Photocoagulation for Neovascular Maculopathies." With the Macular Photocoagulation Study Group. Annual Meeting, American Academy of

Ophthalmology, November, 1983, Chicago.

4. Collaborative Ocular Melanoma Study. Annual Meeting, American Academy of Ophthalmology, 1986, 1987, 1989, 1990, 1991, 1992.

XVIII. EDITORIAL POSITIONS

A. Editorial Board Member

1. Survey of Ophthalmology, Section Editor for Retinal Diseases, 1979 - 1981
2. Retina, The Journal of Retinal and Vitreous Diseases, 1979 – 2004
3. Ophthalmology Letter, Section Editor for Retinal Diseases, 1979 - 1981
4. Archives of Ophthalmology, 1984 - 1994
5. Diabetic Complications, 1985
6. Consulting editor for Ophthalmology. Milner-Fenwick, Baltimore: Producers of Patient Education Videotapes
7. The Johns Hopkins Medical Letter/Health After 50, 1988 – 1990
8. Eyenet, Publication of the American Academy of Ophthalmology, 2000

B. Scientific Journal Reviewer

1. American Journal of Ophthalmology
2. Archives of Ophthalmology
3. Investigative Ophthalmology
4. Ophthalmology
5. New England Journal of Medicine

XIX. GRANT-SUPPORTED RESEARCH (Recent and Current)

1. Title: Macular Photocoagulation Study Reading Center (1979 - 1994)
Grant Number: NEI/EYO5958
Annual Direct Cost (9/30/85 - 12/31/91): \$327,609.00
A set of randomized controlled clinical trials of laser photocoagulation for

choroidal neovascularization in age-related macular degeneration and ocular histoplasmosis

% Effort: 25%

Stuart L. Fine, M.D. - Principal Investigator and Study Chair

2. Title: Macular Photocoagulation Study (1979 -1994)
Grant Number: NEI/EY02556
Annual Direct Cost (1/1/90 - 12/31/90): \$178,885.00
A set of randomized controlled clinical trial of laser photocoagulation for choroidal neovascularization in age-related macular degeneration and ocular histoplasmosis
% Effort: 5%
Stuart L. Fine, M.D. - Co-Principal Investigator
3. Title: Collaborative Ocular Melanoma Study
(43-center randomized trial)
Grant Number: NEI/EY062662
Annual Direct Cost (9/30/85 -present): \$642,853
Compares survival of patients with choroidal melanoma treated with enucleation or radiation
% Effort: 40%
Stuart L. Fine, M.D. - Principal Investigator and Study Chair
4. Title: Choroidal Neovascularization Prevention Planning Grant
Grant Number: NEI/EY11275
Total Direct Cost: \$147,919
The Choroidal Neovascularization Prevention Trial is a multi-center clinical trial to evaluate laser treatment for prevention of choroidal neovascularization in patients with age-related macular degeneration.
% Effort: 10%
Stuart L. Fine, M.D. - Study Chairman
5. Title: The Age-Related Macular Degeneration and Thalidomide Study
Sponsor: Entremed, Inc.
Total Direct Cost: \$426,520
The Age-Related Macular Degeneration and Thalidomide Study is a pilot trial to evaluate thalidomide in patients with age-related macular degeneration and subfoveal choroidal neovascularization.
% Effort: 20%
Stuart L. Fine, M.D. - Principal Investigator and Study Chair
6. Title: Complications of AMD Prevention Trial (CAPT)
Sponsor: NIH/NEI
Total Direct Cost: approximately \$3 million/year
This multi-center trial is assessing whether light intensity laser treatment can

reduce the risk of severe vision loss in patients with early age-related macular degeneration (eyes with high risk drusen.)

% Effort: 20%

Stuart L. Fine, M.D., Principal Investigator & Study Chairman

7 Title: Comparison of AMD Treatments Trial (CATT)

Sponsor: NEI/NIH

Total Direct Cost: \$16 million/2 years

% Effort: 10%

Stuart L. Fine, M.D., Vice-Chairman

XX. INVITED LECTURES (1984 – present)

1. Jules Stein Eye Institute Research Seminar, Los Angeles, February 1984.
2. New York University, New York, March, 1984.
3. Vitreoretinal Professorship, Manhattan Eye, Ear and Throat Hospital, New York, March 1984.
4. Michigan Ophthalmological Society, Mackinac Island, July 1984.
5. Mayo Clinic, Rochester, Minnesota, July 1984.
6. Retina Research and Development Foundation Visiting Professor, Washington University, St. Louis, September, 1984.
7. Joseph Smiddy Lectureship, Wilmer Institute, Baltimore, September 1984.
8. Club Jules Gonin, Lausanne, Switzerland, September 1984.
9. Wills Eye Hospital, Philadelphia, October 1984.
10. Mt. Sinai School of Medicine, New York, April 1985.
11. Long Island Jewish Hospital, Long Island, April 1985.
12. Pan American Association of Ophthalmology, New Orleans, April 1985.
13. Chicago Ophthalmological Society, Annual Meeting, Chicago, May 1985.
14. Vanderbilt University, Nashville, June 1985.
15. University of Illinois, Dedication of Lions Eye Research Institute, Chicago, June 1985.

16. International Retinal Symposium, Moderator, Section on Hemorrhagic Maculopathy, Baden-Baden, W. Germany, September 1985.
17. Epidemiology Seminar, the Johns Hopkins School of Hygiene and Public Health, October, 1985.
18. Krill Memorial Lecture, Chicago, November 1985.
19. Yale Eye Center Dedication, New Haven, April 1986.
20. New England Ophthalmologic Society, April 1986.
21. Westchester Ophthalmologic Society, May 1986.
22. Grand Rounds, National Eye Institute, Bethesda, October 1986.
23. The Physician and Research: Future Directions and Opportunities, San Antonio, November 1986.
24. Pittsburgh Ophthalmologic Society, March 1987.
25. Edward Curran Memorial Lecture, Kansas City, April 1987.
26. New York Academy of Medicine, December 7, 1987.
27. Retina Conference, San Francisco, California, March, 1988.
28. Virginia Society of Ophthalmology, Richmond, VA, June 1988.
29. University of Florida Ophthalmology Training Program 25th Anniversary Meeting. November 1988.
30. Current Concepts in Ophthalmology Course, December 1988.
31. Arizona Ophthalmologic Society Annual Meeting, Phoenix, January 1989.
32. Florida Society of Ophthalmology, St. Petersburg, March 1989.
33. Retina Conference, Carmel, California, April 1989.
34. Michigan Ophthalmologic Society, Detroit, April 1989.
35. Annual Meeting, Georgia Society of Ophthalmology, Sea Island, May 1989.

36. Second International Conference on Lasers, Lugano, Switzerland, May 1989.
37. Ohio Ophthalmologic Society, Cleveland, June 1989.
38. Long Island/Jewish Medical Center, June 1989.
39. South Florida Ophthalmologic Society, January 1990.
40. New York Hospital, February 1990.
41. Sinai Hospital, Grand Rounds, June 8, 1990.
42. Inaugural Teaching Symposium, Wake Forest University Eye Center, November 30, 1990, Winston-Salem, North Carolina.
43. 25th Anniversary Meeting of the Jules Stein Eye Institute, March 9, 1991.
44. Retina and Vitreous Associates of Kentucky, Lexington, KY April 11, 1991.
45. The 11th Annual MCV Ophthalmology Conference: The Diabetic Eye. Williamsburg, Virginia.
46. 116th Annual Medical Alumni Reunion, University of Maryland School of Medicine. Advances in Ophthalmology over the Past Quarter Century, May 3, 1991.
47. Reading, PA, Eye, Ear, Nose and Throat Society. October 2, 2001
48. Medical and Surgical Retina in the 1990's: Jules Stein Eye Institute - UCLA School of Medicine and Doheny Eye Institute - USC School of Medicine, October 11 - 12, 1991.
49. Symposium on Diabetic Complications, University of Pennsylvania, Scheie Eye Institute: Current Management of Diabetic Retinopathy, November 2, 1991.
50. Squaw Valley Retina Symposium, Olympic Valley, CA, January 31-February 4, 1992.
51. New Orleans Academy of Ophthalmology 41st Annual Meeting, Retina Symposium, New Orleans, Louisiana, March 12-15, 1992.
52. Retina Society of New Jersey, Controversial Issues in the Management of Patients with Macular Degeneration, May 13, 1992.
53. Pennsylvania Academy of Ophthalmology, 1992 Scientific Meeting, July 10, 1992 Hershey, Pennsylvania.
54. Wilmer Ophthalmological Institute, Update on the Management of Age-Related

Macular Degeneration Baltimore, Maryland, January 22, 1993.

55. Dedication of New England Eye Center, Tufts University, Boston, September 10- 11, 1993.
56. Lehigh Valley Ophthalmology Society, Lehigh, Pennsylvania, May 10, 1994.
57. Johns Hopkins University 24th Anniversary Meeting of the Retinal Vascular Center, June 1994.
58. Faculty Squaw Valley Retina Society Annual Meeting, February 1995.
59. National Eye Institute Symposium on Clinical Trials, March, 1995.
60. Invited Guest Speaker, Annual Meeting, Pittsburgh Ophthalmologic Society, March 1995
61. Invited Guest Speaker, Annual Guest Meeting, Washington Academy of Eye Physicians and Surgeons, Seattle, April 1995.
62. Moderator and Guest Speaker, International Congress on Ocular Neovascularization, Budapest, May 1995.
62. Invited Guest Speaker, European Congress of Ophthalmology, Milan, June 1995.
63. Honored Guest, Retinal Vascular Center 25th Annual Meeting, Sundance, Utah. August, 1995.
65. Vitreous Society, London, August 1995.
66. Melvin Rubin Lecture, Annual Meeting of the Florida Society of Ophthalmology, Naples, Florida, September 1995.
67. Invited Lecturer, Krieger Eye Institute, Sinai Hospital, Baltimore, October 1995.
68. Guest of Honor, Annual Meeting, Israeli Ophthalmologic Society, December 1995.
70. Palm Beach Ophthalmologic Society, Palm Beach, Florida, January 1997.
71. Squaw Valley Retinal Symposium, Squaw Valley, California, February 1997.
72. Frontiers in Ophthalmology, Phoenix, Arizona, February 1997.
73. Los Angeles Ophthalmologic Society, Los Angeles, California, March 1997.

74. Tennessee Academy of Ophthalmology and Georgia Society of Ophthalmology, Amelia Island, Florida, July 1997.
75. Contemporary Issues in Ophthalmology: Annual Meeting of the New York State Ophthalmological Society and the New York Society for Clinical Ophthalmology, New York, September 20, 1997.
76. Guest of Honor, 674th Meeting of the New England Ophthalmologic Society, April 16, 1999.
77. Keynote speaker, Annual Meeting, New England Ophthalmologic Society, Boston, April 16, 1999.
78. GlasMed International and the Pavlov State Medical University, St. Petersburg, Russia, May 1998 (White Knights Congress of Ophthalmology).
79. Invited guest speaker, Department of Medicine Grand Rounds, Sinai Hospital of Baltimore, January 15, 1999.
80. Invited guest speaker, Annual Meeting, Oregon Academy of Ophthalmology, March 1999.
81. Invited guest speaker, Annual Meeting, Chicago Ophthalmologic Society, May 1999.
82. Invited guest speaker, American Academy of Ophthalmology, October 1999.
83. Invited guest speaker, The University of Siena, Department of Ophthalmology, September 2000.
84. Invited guest speaker, University of California, San Francisco, December 2000.
85. Invited guest speaker, Keynote address for the Annual Meeting of the Royal Australian and New Zealand College of Ophthalmology, Sir Norman Gregg Lecture, Sydney, Australia, November 2000.
86. Invited guest speaker, University of North Carolina at Chapel Hill, Ophthalmology Residents' Day, June 22, 2001.
87. Invited guest speaker, University of North Carolina at Chapel Hill, Scientific symposium, May 4, 2002
88. Edward Jackson Memorial Lecture, The American Academy of Ophthalmology, New Orleans, LA October 24, 2004 (keynote address on age-related macular degeneration)
89. Edmund B. Spaeth Oration Lecturer, College of Physicians of Philadelphia,

Philadelphia, PA March 7, 2005

90. Contemporary Clinical Medicine – Great Teachers/NIH Clinical Center Grand Rounds lecturer, Bethesda, MD. “Macular Degeneration of the Aging”, April 13, 2005.
91. Life Achievement Honor Award for contributions to the Academy and to the ophthalmology profession. The American Academy of Ophthalmology. September 2006
92. Theresa and Wayne Caygill Lecturer at UCSF, Thursday, January 25, 2007

XXI. MISCELLANEOUS ACTIVITIES

1. Scientific Advisory Council, The Macula Foundation, Inc.
2. Thesis Committee for Johns Hopkins School of Hygiene and Public Health, Leslie Hyman, Ph.D.
3. Advisory Board, The Milner Fenwick Audiovisual Company, Baltimore.
4. Special Ad Hoc Review Committee, Research to Prevent Blindness, New York, April 22, 1992.
5. Long-Range Planning Committee, University of Pennsylvania School of Medicine, 1992-1995.
6. Board of Trustees, The Heed Foundation, Chicago, (Supports fellowship training in ophthalmology), 1992 - 2007.
7. Chairman, Research Grant Committee for AMD, American Health Assistance Foundation, 1999-2002.

XXII. POST-GRADUATE COURSES 1983 - 1993

1. Speaker, Diabetic Retinopathy 1983, Wilmer Institute, Baltimore, September 1983.
2. Co-chairman, Drusen Workshop, Columbia, MD, October 1983.
3. Speaker, discussant, and course director, Annual Meeting of the American Academy of Ophthalmology, Chicago, November, 1983.
4. Invited Guest Speaker, Lasers in Anterior and Posterior Segment Disease, Cleveland Clinic, Cleveland, December 1983.
5. Course Director, Macula 1984, Wilmer Institute, Baltimore, January 1984.

6. Speaker, Annual Meeting, The Macula Society, San Diego, January 1984.
7. Course Director, Posterior Segment Inflammatory Disease, Wilmer Institute, Baltimore, April 1984.
8. Speaker, Annual Meeting, Wilmer Residents Association, Baltimore. April 1984.
9. Speaker, Annual Meeting, Association for Research in Vision and Ophthalmology, Sarasota, Florida, May 1984.
10. Speaker, Diabetic Retinopathy, 1984, The Wilmer Institute, Baltimore, September 1984.
11. Macular Disease Course, Greater Baltimore Medical Center, December 1984.
12. Chairman, Vascular Disorders Course, The Wilmer Institute, January 11, 1985.
13. Chairman, Section on Retinal Vascular and Macular Disorders, The Wilmer Residents Association, April 1985.
14. Macula Course, Scheie Eye Institute, University of Pennsylvania, Philadelphia, April 1985.
15. Chairman, Course on Angiography and Lasers, Pan American Association of Ophthalmology, New Orleans, April 1985.
16. Chairman and Course Organizer, Photocoagulation for the Neovascular Maculopathies, The Wilmer Institute, May 1985.
17. Chairman and Course Organizer, Workshop on Choroidal Neovascularization, 15th Anniversary Meeting of the Retinal Vascular Center, New Seabury, MA, August 1985.
18. American Academy of Ophthalmology, Annual Meeting, two courses on laser photocoagulation for retinal lesions, San Francisco, September, 1985.
19. Speaker, Diabetic Retinopathy Course, The Wilmer Institute, November, 1985.
20. Chairman, Course of Current Concepts of Macular Disorders, The Wilmer Institute, January 1986.
21. Chairman, Course on Ocular Histoplasmosis, Wilmer Institute. March 1986.
22. Chairman, Course on Macular Degeneration, The Wilmer Institute. May 1986.

23. Fluorescein Angiography Course, Emory University, Wild Dunes, South Carolina. June 1986.
24. Fluorescein Angiography Course, Emory University, Atlanta, Georgia, February 1987.
25. Current Ocular Therapy, Sinai Hospital, Baltimore. March 1987.
26. Chairman, Course on The Macula, The Wilmer Institute. May 1987.
27. Chairman, Course on Diagnosis and Management of Choroidal Neovascularization, The Wilmer Institute. January 1988.
28. Chairman, Course on The Macula, The Wilmer Institute July. 1988.
29. Chairman, Course on The Macula, Contemporary Topics, The Wilmer Institute July 1989.
30. Speaker, Second International Symposium on Ocular Circulation and Neovascularization, The Wilmer Institute. September 1989.
31. Speaker, Diabetic Retinopathy Course, The Wilmer Institute. November 1989.
32. Speaker, Annual Meeting, Association for Research in Vision and Ophthalmology, Sarasota, Florida. 1991.
33. Guest Faculty, Update on the Management of Age-Related Macular Degeneration, The Wilmer Institute. January 1993.
34. Speaker, Delaware Valley Chapter, Association for Macular Diseases, Spring House Estates. June 2004
35. Visiting Professorship, Wills Eye Hospital, March 2, 2005
36. Edmund B. Spaeth Oration, College of Physicians of Philadelphia, March 9, 2005

XXIII. PUBLICATIONS

A. Books, Monographs, and Videotapes

1. Symposium on the Treatment of Diabetic Retinopathy. Goldberg MF and **Fine SL**, editors. PHS publication No. 1890. U.S. Government Printing Office, Superintendent of Documents, Washington, D.C., June 1969.
2. Diseases of the Macula. Sights and Sounds in Ophthalmology, Volume I. Patz A, **Fine SL**, and Orth DH, C.V. Mosby Co., St. Louis. 1976.

3. Retinal Vascular Disorders: Diagnosis and Management. Sights and Sounds in Ophthalmology Volume II. **Fine SL**, Patz A, and Orth DH, C.V. Mosby Co., St. Louis, 1977.
4. Principles and Clinical Application of Fluorescein Angiography. Patz A and **Fine SL**, editors. International Ophthalmology Clinics, Spring, 1977. Little Brown and Co., Boston.
5. The Ocular Fundus in Neuro-Ophthalmologic Diagnosis. Sights and Sounds in Ophthalmology, Volume III. Miller NR, **Fine SL** and Patz A, C.V. Mosby Co., St. Louis, 1980.
6. Diabetic Retinopathy. Sights and Sounds in Ophthalmology, Volume IV. **Fine SL** and Patz A, C.V. Mosby Co., St. Louis, 1980.
7. Management of Retinal Vascular and Macular Disorders. **Fine SL** and Owens SL, editors. Williams and Wilkins Co., Baltimore, 1983.
8. Patient Education Videotapes produced by Milner-Fenwick, Baltimore
 - a. Diabetic retinopathy
 - b. Macular degeneration
 - c. Fluorescein angiography
9. Age-related Macular Degeneration. Berger JW, **Fine SL**, Maguire MG editors. Mosby, Inc., Philadelphia, PA 1998.

B. Editorials, Letters to the Editor, Chapters, Committee Reports:

1. **Fine SL** and Rubin ML: Treatment of diabetic retinopathy. GP/American Family Physician, 2:64, December 1970.
2. **Fine SL** and Patz A: Comparison of xenon arc and argon laser photocoagulation in ocular histoplasmosis. In: Ocular Histoplasmosis. TF Schlaegel Jr., Editor, Fall, 1975, Int. Ophthalmology. Clinics, Vol. 15, No. 3, pp. 259-275, Little Brown and Co., Boston.
3. Patz A and **Fine SL**: Diabetic retinopathy. In: Diabetes Mellitus: Diagnosis and Treatment. American Diabetes Association, Vol.5, New York, 1975.
4. **Fine SL**: Some plain talk on diabetic retinopathy. Sight-Saving Review, National Society for the Prevention of Blindness, New York, Spring 1976.
5. Patz A and **Fine SL**: Problems of subnormal vision in the diabetic. In: Clinical Low

Vision. E. Faye, ed., October, 1976, Little Brown and Co., Boston

6. Patz A and **Fine SL**: Argon laser photocoagulation in ocular histoplasmosis syndrome. In: Recent advances in Photocoagulation. H.C. Zweng, ed., Winter, 1976, Int. Ophthalmology. Clinics, Vol. 16, No. 4. pp. 45-59, Little Brown and Co., Boston.
7. Patz A and **Fine SL**: Diabetic macular edema. In: Recent Advances in Photocoagulation. H.C. Zweng, ed., Winter 1976 Int. Ophthalmology. Clinics, Vol. 16, No. 4, pp. 105-115, Little Brown and Co., Boston.
8. **Fine SL**: Angiomatosis retinae. In: International Symposium on Fluorescein Angiography. 1976, Dr. W. Junk, The Hague.
9. Patz A and **Fine SL**: Precise fluorescein landmarks in management of subretinal neovascularization. In: Vitreous Surgery and Advances in Fundus Diagnosis and Treatment. H.M. Freeman, T. Hirose, and C.L. Schepens.
10. **Fine SL**: Ocular histoplasmosis syndrome. In: Principles and Clinical Applications of Fluorescein Angiography. A. Patz, and S.L. Fine, eds., Spring, 1977, Int. Ophthalmology. Clinics, Vol. 17, No. 1, Little Brown and Co., Boston.
11. **Fine SL**: Idiopathic pre-retinal macular fibrosis. In: Principles and Clinical Application of Fluorescein Angiography. A. Patz and S.L. Fine, eds., Spring, 1977, Int. Ophthalmology. Clinics, Vol. 17, No. 1, Little Brown and Co., Boston.
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15. Patz A and **Fine SL**: Choroidal Neovascularization: Diagnosis and management. In: Symposium on Retinal Diseases. 1977, C.V. Mosby Co., St. Louis.
16. Patz A, **Fine SL**, and Orth DH: Treatment of macular edema secondary to vascular occlusion. In: Symposium on Retinal Diseases, 1977, C.V. Mosby Co., St. Louis.
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21. Patz A and **Fine SL**: Evaluation and photocoagulation treatment of diabetic maculopathy. In: Current Diagnosis and Management of Chorioretinal Diseases. F.A. L'Esperance, Jr., ed., 1977, pp. 256-260, C.V. Mosby Co., St. Louis.
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24. **Fine SL**, Olk RJ, Murphy RP, and Hillis A: Current status of clinical trials to evaluate argon (blue-green) and krypton (red) laser photocoagulation in the treatment of ocular histoplasmosis. In: Ocular Histoplasmosis Symposium, Int. Ophthal. Clinics, T.F. Schlaegel, Jr. (ed.), Little Brown Co., Boston, 1982.
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C. Original Articles in Peer-Review Journals

1. **Fine SL** and Levy, RI: Ethacrynic acid in acute pulmonary edema. New England Journal of Medicine, 273:583, 1965.
2. Newsom WA, Hood I, Horwitz J, **Fine SL**, and Sewell JA: Cystoid macular edema: Histopathologic and angiographic correlations. Trans. Amer. Acad. Ophthalmology and Otolaryngol. 76:1005, 1972.
3. **Fine SL**: Shigella keratitis. J. Ped. Ophthalmology 7:79, 1975.
4. Berkow JW, Patz A, and **Fine SL**: A follow-up of blind diabetic patients. Ann. Ophthalmology 7:79, 1975.
5. **Fine SL**, Patz A, Orth DH, et al: Subretinal neovascularization developing after prophylactic argon laser photocoagulation of atrophic macular scars. Amer. J. Ophthalmology 82:352, 1976.
6. The Diabetic Retinopathy Study Research Group: Preliminary reports on effects of photocoagulation therapy. Am. J. Ophthalmology 81:383-396, 1976.
7. Meredith TA, Kenyon KR, Singerman LJ, and **Fine SL**: Perifoveal vascular leakage and macular edema following intracapsular cataract extraction. Brit. J. Ophthalmology 60:765,76.

8. Patz A, **Fine SL**, Finkelstein D, and Orth DH: Branch retinal venous occlusion. Trans. Am. Acad. Ophthalmology and Otolaryngol. 83:373, May-June, 1977.
9. Patz A, **Fine SL**, Finkelstein D, and Yassur Y: The diagnosis and management of choroidal neovascularization. Trans. Am. Acad. Ophthalmology and Otolaryngol. 83:468, 1977.
10. Mass of RW, Fleischman J, **Fine SL**, and Yoder F: Flicker fusion thresholds in Best's macular dystrophy. Arch. Ophthalmology 95:991, 1977.
11. Klein ML, **Fine SL**, Knox DL, et al: Follow-up studies in eyes with choroidal neovascularization due to presumed ocular histoplasmosis. Am. J. Ophthalmology 83:830, 1977.
12. Brucker AJ, Michels RG, and **Fine SL**: Congenital retinal arteriole loops and vitreous hemorrhage. Am. J. Ophthalmology 84:220, 1977.
13. The Diabetic Retinopathy Study Research Group: Photocoagulation treatment of proliferative diabetic retinopathy: The second report of diabetic retinopathy findings. Am. J. Ophthalmology 85:82-106, 1978.
14. Klein ML, **Fine SL**, and Patz A: Results of argon laser photocoagulation in presumed ocular histoplasmosis. Am. J. Ophthalmology 86:211, 1978.
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25. **Fine SL**, Owens SL: Central serous retinopathy in a 7-year-old girl. Am. J. Ophthalmology 90:871-873, 1980.
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XXIV. STUDENTS WHO HAVE COMPLETED A CLINICAL RESEARCH ELECTIVE WITH DR. FINE

1. Name: Richard J. Sidd
Class: Johns Hopkins, 1979
Research during elective: Natural history of surface wrinkling retinopathy
Publication # referenced in C.V.: 81
Residency: Harvard/Mass Eye & Ear
Fellowship: Ophthalmic plastic surgery, Bascom Palmer Eye Institute
Current Position: Private practice, New Mexico
2. Name: Mary G. Lynch (Hotchkiss)
Class: Johns Hopkins, 1980
Research during elective: Natural course of pathologic myopia
Publication # referenced in C.V.: 69
Residency: Wilmer Institute
Fellowship: Wilmer Institute, glaucoma
Current Position: Associate Professor of Ophthalmology, Emory University
3. Name: Julia A. Haller
Class: Harvard Medical School, 1980
Research during elective: Toxoplasmosis and choroidal neovascularization
Publication # referenced in C.V.: 70, 181

Residency: The Wilmer Institute
Fellowship: The Wilmer Institute, retina/vitreous
Chief Residency: The Wilmer Institute
Current Position: Professor and Chair, Department of Ophthalmology, Jefferson Medical College of Thomas Jefferson University; Chief of Ophthalmology, Wilmer Eye Institute, Baltimore, MD

4. Name: Michael J. Harris
Class: Johns Hopkins, 1980
Research during elective: Optic nerve drusen with choroidal neovascularization; carotid-cavernous fistula and optic disc neovascularization
Publication # referenced in C.V.: 72, 95, 110
Residency: Wilmer Institute
Fellowship: Bascom Palmer Eye Institute, Retina
Chief Residency, Wilmer Institute
Current Position: Part-time faculty, University of Medicine/Dentistry, New Jersey; Private practice, Teaneck, New Jersey
5. Name: Mitchell Gilbert
Class: Johns Hopkins, 1981
Research during elective: Central serous chorioretinopathy
Publication # referenced in C.V.: 100
Residency: Wilmer Institute
Fellowship: Harvard/Mass Eye & Ear, cornea
Chief Residency: Wilmer Institute
Current Position: Private practice, Hartford, Connecticut
6. Name: Patricia D. Smith
Class: Johns Hopkins, 1980
Research during elective: Central serous chorioretinopathy
Publication # referenced in C.V.: 100
Residency: Manhattan Eye, Ear and Throat Hospital, New York
Fellowship: Harvard/Mass Eye & Ear, glaucoma
Initial Position: Assistant Professor of Ophthalmology, Cornell, North Shore Hospital, Long Island, New York
Current Position: Private practice, Fairfax, VA
7. Name: Neil M. Bressler
Class: Johns Hopkins, 1982
Research during elective: Natural history studies, age-related macular degeneration
Publication # referenced in C.V.: 25, 38, 39, 41, 42, 43, 78, 85, 146, 148, 154, 161, 164, 180, 182, 188, 192, 193, 194, 198, 205, 211
Residency: Harvard/Mass Eye & Ear
Fellowship: Wilmer Institute, retina
Current Position: James P. Gills Professor of Ophthalmology and Director of the

Retina Division, The Wilmer Eye Institute

8. Name: Susan B. Bressler
Class: Johns Hopkins, 1982
Research during elective: Natural history studies, age-related macular degeneration
Publication # referenced in C.V.: 25, 38, 39, 41, 42, 43, 78, 85, 146, 148, 154, 161, 164, 193
Residency: Harvard/Mass Eye & Ear
Fellowship: The Wilmer Institute, retina
Current Position: Julia Levy Professor of Ophthalmology, The Wilmer Eye Institute

9. Name: Peter McDonnell
Class: Johns Hopkins, 1982
Research during elective: Natural history of macular holes
Publication # referenced in C.V.: 80
Residency: Wilmer Institute
Fellowship: U. of Southern California, cornea
Chief Residency: Wilmer Institute
Current Position: Professor and Chair of Ophthalmology, The Wilmer Eye Institute, Johns Hopkins University School of Medicine

10. Name: Sander Cohen
Class: Johns Hopkins, 1983
Research during elective: Complications of krypton red laser photocoagulation
Publication # referenced in C.V.: 93
Residency: Wills Eye Hospital
Current Position: Part-time faculty, Wills Eye Hospital; Private practice, NJ

11. Name: William A. Smiddy
Class: Johns Hopkins 1983
Research during elective: Clinicopathologic correlation of laser lesions in humans and primates; natural history of drusen
Publication # referenced in C.V.: 94, 96, 111, 120, 145
Residency: The Wilmer Institute
Fellowship: The Wilmer Institute, vitreo-retinal diseases
Chief Resident: The Wilmer Institute
Current Position: Professor, Bascom Palmer Eye Institute, University of Miami School of Medicine

12. Name: Ellen Strahlman
Class: Johns Hopkins, 1983
Research during elective: Natural history studies, age-related macular degeneration
Publication # referenced in C.V.: 87, 105
Residency: The Wilmer Institute
Fellowship: Johns Hopkins School of Public Health, Epidemiology

Fellowship: Epidemiology, Johns Hopkins (1987-1990)
Training: Staff Epidemiologist, National Eye Institute
Current Position: Worldwide Area Head for Ophthalmology, Pfizer

13. Name: Carl Davidson
Class: Johns Hopkins, 1983
Research during elective: Natural history of central retinal vein occlusion
Residency: Jules Stein Eye Institute, UCLA, Los Angeles
Current Position: Private practice, Georgia
14. Name: Karen D. Todd
Class: Johns Hopkins, 1984
Research during elective: Epidemiologic studies in ocular histoplasmosis
Residency: U. of California, San Francisco
Current Position: Private practice, Stuart, Florida
15. Name: Timothy Murray
Class: Johns Hopkins, 1984
Research during elective: Natural history studies, age-related macular degeneration
Residency: U. of California, San Francisco
Fellowship: Medical College of Wisconsin, Milwaukee, retina
Current Position: Founder and Director, Murray Retina and Oncology, Miami, Florida
16. Name: Beth S. Bromberg
Class: Johns Hopkins, 1985
Research during elective: Optic nerve disease masquerading as macular disease
Residency: U. of Illinois Eye & Ear Infirmary
Fellowship: University of Illinois Eye and Ear Infirmary
Current Position: Private practice, Westchester, New York
17. Name: Thomas Lietman
Class: Columbia/(P&S) 1990
Research during elective: Visual function in patients with macular degeneration and poor visual acuity
Publication # referenced in C.V.: 138
Residency: Wilmer Institute
Fellowship: Howard Hughes Medical Scholar, NIH
Current position: Professor and Director, The Proctor Foundation, UCSF School of Medicine
18. Name: Judith Snyder
Class: Princeton, 1988
Research during elective: Visual function in patients with macular degeneration and poor visual acuity
Publication # referenced in C.V.: 138

Current Position: Part-time faculty, Department of Psychiatry, University of Pennsylvania

19. Name: Eleanore Ebert
Class: University of Virginia, 1985
Research during elective: Early symptoms of neovascularization in macula; visual function in patients with macular degeneration
Publication # referenced in C.V.: 115, 117
Residency: Harvard/Mass Eye & Ear
Fellowship: MPH, Harvard School of Public Health, 1986 - 1987
Current Position: private retina practice, Richmond, VA
20. Name: Andrew M. Fine
Class: Harvard College, 1991
Research during elective: Early symptoms of neovascularization in macula
Publication # referenced in C.V.: 115, 117
Current Position: Assistant Professor of Pediatrics, Department of Emergency Medicine, Children's Hospital Boston/Harvard Medical School
21. Name: Sarah L. Owens
Class: Johns Hopkins, 1986
Research during elective: Natural history studies, age-related macular degeneration
Publication # referenced in C.V.: 34, 68, 70, 81, 113
Residency: U. of Illinois Eye & Ear Infirmary
Current Position: Retina faculty, Moorfields Eye Hospital, London, England
22. Name: David R. Guyer
Class: Johns Hopkins, 1986
Research during elective: Natural history studies; age-related macular degeneration; frequency of cerebrovascular disease in patients with ischemic optic neuropathy
Publication # referenced in C.V.: 37, 109, 113, 128, 162, 176, 183
Residency: Wilmer Institute
Current Position: Professor and Chair Emeritus, New York University School of Medicine; Founder and CEO, Eye Tech Pharmaceuticals
23. Name: Daniel Martin
Class: Johns Hopkins, 1986
Research during elective: Contrast sensitivity in patients with diabetic retinopathy
Residency: Emory University
Current Position: Director, Cole Eye Institute, Cleveland Clinic
24. Name: Lori Frost
Class: Johns Hopkins, 1988
Research during elective: Natural course of patients with macular degeneration
Publication # referenced in C.V.: 143

Residency: Cleveland Clinic, Pathology

25. Name: Audrey Talley
Class: Washington University, 1988
Research during elective: Natural course of epiretinal membranes
Residency: Washington University, St. Louis
Current Position: Teaching faculty, University of Washington, Seattle

26. Name: Patricia L. Owen Buehler
Class: Johns Hopkins, 1990
Research during elective: Natural course of epiretinal membranes
Residency: Oregon Health Sciences University
Current Position: Private practice, Bend, Oregon

27. Name: Robert D'Amato, Ph.D.
Class: Johns Hopkins, 1988
Research during elective: Retinal binding protein in eyes with macular degeneration
(with S.H. Snyder)
Publication # referenced in C.V.: 167
Residency: Harvard/Mass Eye & Ear
Current Position: Professor of Ophthalmology, Harvard Medical
School; Scientist, Angiogenesis Laboratory and Endowed Chair in Surgical Research,
Children's Hospital Boston