

LOUIS FRANK DELL'OSSO, Ph.D.

Curriculum Vitae and Bibliography

August 3, 2004

CURRICULUM VITAE**Biographical***LOUIS FRANK DELL'OSSO, Ph.D.*

Professional Address: Department of Neurology, Case Western Reserve University School of Medicine, University Hospitals,
Cleveland, Ohio 44106 (216) 421-3224

Birth Date: March 16, 1941; Brooklyn, New York
Social Security Number: 102-32-8483
Marital Status: Single

Academic Education:

Brooklyn Polytechnic Institute	1957-1961	B.E.E. (June, 1961)
Brooklyn Polytechnic Institute	1961-1963	
(Graduate Studies in E.E.)		
University of Wyoming	1963-1966	Ph.D. (January, 1968)

Honors and Awards:

Graduate Teaching Assistantship	1963-1966
Elected Senior Member of IEEE	1976-Present
Personalities of the South	1976-1978
Who's Who in the South and S.W.	1976-1981
Who's Who in America (Listing)	1978-1979
Who's Who in Frontier Science and Technology	1984-1986
Who's Who in the Midwest	1984-1989
Who's Who in America	1984-Present
American Men & Women in Science	1986-1989
Who's Who in Science and Engineering	1992-Present
Who's Who in Medicine and Healthcare	1997-Present
Who's Who in American Education	2004-Present
Elected Corresponding and Scientific Member of Academia Rodinensis Pro Remediatione	1992-Present
Elected Fellow of NANOS	1993-Present

Professional*Industrial Research Experience:*

Republic Aviation, Inc.	June, 1961 -	Electronics Engineer
Farmingdale, L.I., N.Y.	Feb. 1963	
Westinghouse Research Lab	April-August	Research Engineer
Pittsburgh, Pennsylvania	1963	
Naval Medical Research Institute	June-August	Electronics Engineer
Bethesda Naval Hospital	1964	
Westinghouse Research Lab	August 1966	Senior Bioengineer
Pittsburgh, Pennsylvania	August 1970	Medical & Biological Research

Academic Appointments:

University of Wyoming School of Engineering	Sept. 1963- June 1966	Graduate Teaching Assistant
University of Miami Schools of Engineering and Medicine	Sept. 1970- May 1972	Assistant Professor of Biomedical Engineering & Surgery
University of Miami School of Medicine	July 1972- May 1975	Assistant Professor of Neurology
University of Miami School of Medicine	June 1975- May 1979	Associate Professor of Neurology
University of Miami School of Medicine	June 1979- June 1980	Professor of Neurology
Case Western Reserve University School of Medicine	July 1980- Present	Professor of Neurology
Case Western Reserve University School of Engineering	July 1980- Present	Professor of Biomedical Engineering

Hospital Staff Appointments:

Veterans Administration Hospital, Miami, Florida	May 1971- June 1972	Biomedical Engineer (W.O.C.)
Veterans Administration Hospital, Miami, Florida	July 1972- June 1980	Health Scientist, Co-Director, Ocular Motor Neurophysiology Laboratory
Veterans Administration Medical Center, Cleveland, OH	July 1980- Present	Biomedical Engineer Director, Ocular Motor Neurophysiology Laboratory

Major Teaching Responsibilities:

Graduate and Undergraduate Biomedical Engineering Courses
 Undergraduate Biomedical Engineering Lab
 Lectures and seminars for Ophthalmology and Neurology Residents
 Lectures and seminars for Graduate Students and Post-Doctoral Fellows
 Lectures and seminars for Medical Faculty

Research Activities:

1. "Investigation of Congenital Nystagmus and Horizontal Tracking,"
Principal Investigator, NSF GU 103302 SB29, FY 1972. (\$2,500)
2. "Modeling of Neuromuscular System Involved in Horizontal Eye Tracking and Nystagmus,"
Principal Investigator, NIH SB09 RR 07022 06 & NIH SB35 RR 07022 05, FY 1972. (\$500)
3. "Systematic Investigation of Congenital Nystagmus,"
Post-doctoral Fellowship, The Seeing Eye, 1972-73. (\$11,443)
4. "Neurophysiology and Pathophysiology of Eye Movements,"
Co-Investigator, VA MRIS No. 1733/1801, FY 1973-76. (\$255,423)
5. Preceptor, NIH Center Training Grant for Ophthalmic Research Bascom Palmer Eye Institute,
Department of Ophthalmology, University of Miami School of Medicine, FY 1977-79.
6. "Ocular Motor Responses to Auditory Stimuli,"
Principal Investigator, NIH SB29, RR05363-15 BRSG, FY 1977. (\$3,505)
7. "A Wide Bandwidth Study of Fine Structure of Eye Movements,"
Principal Investigator, NIH SB29 RR05363-16 BRSG, FY 1978. (\$4,000)
8. "An Experimental Analysis of Human Looking Patterns,"
Co-Principal Investigator, VA research project, 1977.
9. "The Ocular Motor System: Normal and Pathological Neurophysiology,"
Co-Principal Investigator, VA MR No. 102-32-8483, FY 1977-79. (\$192,979)
10. "Neurophysiology and Pathophysiology of Eye Movements,"
Co-Principal Investigator, VA MR No. 102-32-8483, FY 1980-83. (\$241,800)
11. "Neurophysiology and Pathophysiology of Eye Movements,"
Co-Principal Investigator, VA MR No. 102-32-8483, FY 1984-86. (\$265,200)
12. "Neurophysiology and Pathophysiology of Eye Movements,"
Co-Principal Investigator, VA MR No. 102-32-8483, FY 1987-89. (\$256,300)
13. "Neurophysiology and Pathophysiology of Eye Movements,"
Principal Investigator, VA MR No. 102-32-8483, FY 1991-94. (\$374,988)
14. "Neurophysiology and Pathophysiology of Eye Movements,"
Principal Investigator, VA MR No. 102-32-8483, FY 1995-98. (\$701,654)
15. "Neurophysiology and Pathophysiology of Eye Movements,"
Principal Investigator, VA MR No. 102-32-8483, FY 1999-03. (\$1,070,800)

Post-Doctoral Fellows/PDF Graduate Students/GS & Visiting Scientists/VS:

Stephen Zarzecki (MS)	1970-1971/GS	Rathindra Nath Roy (MS)	1970-1971/GS
Michael T. Hyson (PhD)	1973-1976/GS	Dr. B.T. Troost	1970-1972/PDF
Dr. D. Boghen	1971-1973/PDF	Dr. T. Carlow	1972-1974/PDF
Dr. J.A. Sharpe	1972-1974/PDF	Dr. L.A. Abel	1976-1978/PDF
Dr. J.R. Zahn	1977-1978/PDF	Dr. D. Schmidt	1977-1978/VS
Dr. M.J. Doslak	1978-1979/PDF	Dr. L. Parker	1978-1979/PDF
Dr. L.B. Kline	1979-1980/PDF	Dr. S. Traccis	1981-1982/PDF
Dr. P.J.M. Lavin	1982-1983/PDF	Dr. L. Whicker Jr.	1982-1983/PDF
Dr. H. Grossniklaus	1982-1983/PDF	Dr. S.E. Thurston	1983-1985/PDF
Dr. A. Tabuchi	1985-1986/VS	Dr. B.M. Weissman	1985-1986/PDF
Dr. R.W. Hertle	1985-1986/PDF	Dr. G.E. Grossman	1985-1986/PDF
W.P. Huebner (PhD)	1986-1990/GS	S.H. Seidman (PhD)	1987-1993/GS
N.V. Sheth (MS)	1991-1994/GS	V.E. Das (MS,PhD)	1992-1999/GS
A.Z. Zivotofsky (PhD)	1992-1996/GS	Dr. L. Averbuch-Heller	1993-1996/PDF
D.M. Erchul (MS)	1994-1997/GS	Dr. K. Rottach	1994-1995/PDF
Dr. A.A. Kori	1994-1995/PDF	J.B. Jacobs (PhD)	1995-2001/GS
R. Manjeshwar (PhD)	1998-2001/GS	J.T. Somers (MS)	1998-2000/GS
Dr. J.I. Kim	1999-2000/VS	S. Dun (MS)	1999-2001/GS
A. Kumar (MS,PhD)	1999-2004GS	H. Yanning (MS,PhD)	1999-2004GS
Dr. J.B. Jacobs	2001-2004/PDF	Dr. A. Serra	2001-2002/PDF
Z. Wong (MS,PhD)	2003- GS		

Merit Review Panels, Study Sections and Site Visits:

NIH (NINCDS) Site Visit, So. Illinois Sch. of Medicine, Oct. 4, 1984.

VA Merit Review Board Ad Hoc Review Panel-B, Nov. 20, 1985.

Editorial Responsibilities:

Referee, Vision Research,	1970 – Present
Referee, Arch. Neurology,	1974 – Present
Referee, Neurology,	1974 – Present
Referee, Ann. Neurology,	1976 – Present
Referee, IEEE Trans. BME,	1978 – Present
Referee, Invest. Ophthalmol. Vis. Sci.,	1978 - Present [Guest Editor: 1999-Present]
Referee, Neuro-Ophthalmology,	1980 – Present
Referee, Amer. J. Ophthalmol.,	1982 – Present
Referee, Biocybernetics,	1983 – Present
Referee, Canad. J. Neurol. Sci.,	1985 – Present
Referee, J. Neuro-Ophthalmol.,	1989 – Present
Referee, Clin. Vision Sci.,	1989 – Present
Referee, Brain,	1991 – Present
Referee, Exp. Brain Res.,	1997 – Present
Referee, Ophthal. Genetics,	1997 – Present

Membership in Scientific Societies: (SM = senior member, F = fellow)

Institute of Electrical and Electronics Engineers, Inc. (IEEE), SM

Engineering in Medicine and Biology Society (IEEE), SM

Chairman of Miami Chapter 1977-78

Association for Research in Vision and Ophthalmology (ARVO)

Society for Neuroscience

North American Neuro-Ophthalmology Society (NANOS), F

Clinical Eye Movement Society (CEMS)

American Association for the Advancement of Science (AAAS)

Professional Consulting Practice:

Westinghouse Research Lab	August 1966-	Bioengineering
Pittsburgh, Pennsylvania	July 1967	Consultant
Westinghouse Research Lab	August 1970-	Bioengineering
Pittsburgh, Pennsylvania	August 1971	Consultant
Mt. Sinai Hospital	March 1972-	Special Consultant
Miami Beach, Florida	Dec. 1975	& Expert Witness

Major Local Committees: University of Miami

University of Miami, School of Engineering, Radar Awards Committee, Chairman, 1970-1971.

University of Miami, School of Engineering, Engineering Explorers Committee, 1970-1971.

University of Miami, Graduate School. Member, Thesis Committee for Stephen Zarzecki,

Candidate for Masters Degree in Electrical Engineering (Biomedical), 1970-1971.

University of Miami, Graduate School. Chairman, Thesis Committee for Rathindra Nath Roy,

Candidate for Masters Degree in Electrical Engineering (Biomedical), 1970-1971.

University of Miami, Graduate School. Member, Thesis Committee for Michael T. Hyson,

Candidate for Doctor of Philosophy in Biology, 1973-1976.

University of Miami, Medical School. Member, Research & Development

Executive Advisory Committee, 1976-1978.

Major Local Committees: Miami Veterans Administration Hospital

Subcommittee on Computers, 1973 - 1977. Chairman, 1976 - 1977.

Animal Studies Subcommittee, 1979.

Research and Development Committee, 1979 - 1980.

Equipment Subcommittee, 1980.

Major Local Committees: Case Western Reserve University

School of Medicine, Department of Neurology –

Chairman, Promotions and Tenure Committee, 1981 – 1995

Chairman, Committee on Equity and Professional Affairs, 1989 – 1994

Schools of Medicine and Engineering, Department of Biomedical Engineering –

Member, Thesis Committee for William P. Huebner, Candidate for Doctor of Philosophy in Biomedical Engineering, 1986-1990.

Member, Thesis Committee for Scott H. Seidman, Candidate for Doctor of Philosophy in Biomedical Engineering, 1987-1993.

Chairman, Thesis Committee for Nirav V. Sheth, Candidate for Master of Science in Biomedical Engineering, 1991-1994.

Member, Thesis Committee for Vallabh E. Das, Candidate for Master of Science in Biomedical Engineering, 1992-1994.

Member, Thesis Committee for Ari Z. Zivitoofsky, Candidate for Doctor of Philosophy in Biomedical Engineering, 1992-1995.

Chairman, Thesis Committee for Daniel M. Erchul, Candidate for Master of Science in Biomedical Engineering, 1994-1997.

Chairman, Thesis Committee for Jonathan B. Jacobs, Candidate for Doctor of Philosophy in Biomedical Engineering, 1995-2001.

Member, Thesis Committee for Vallabh E. Das, Candidate for Doctor of Philosophy in Biomedical Engineering, 1996-1999.

Member, Thesis Committee for Ravi Manjeshwar, Candidate for Doctor of Philosophy in Biomedical Engineering, 1998-2001.

Member, Thesis Committee for Jeffrey T. Somers, Candidate for Master of Science in Biomedical Engineering, 1998-2000.

Chairman, Thesis Committee for Souchen Dun, Candidate for Master of Science in Biomedical Engineering, 1999-2001

School of Medicine –

Faculty Council, 1989 – 1991

Major Local Committees: University Hospitals

Electrical Safety Committee, 1987 – 1990

Patents and Disclosures:

Artifact Detection Circuit - Pat. Discl. A QRS Area Monitoring Circuit - Pat. Discl.

Logic for Positive Identification of QRS Complexes - Pat. Discl.

Signal Conditioning for Positive Identification of QRS Complexes - Pat. Discl.

Instruments and Special Devices:

Stray Voltage Detector

Constant Temperature Thermostatic Control

Dual-Lumen Catheter

Arrhythmia-Anomalous Beat Monitoring System

Variable Stimulus Arc

1. "A Control System Study of Horizontal Eye Motion." School of Engineering, Carnegie-Mellon University, Pittsburgh, Pennsylvania, May 18, 1967.
2. "A Model for the Horizontal Tracking System of a Subject with Nystagmus." 20th Annual Conference on Engineering in Medicine and Biology, Boston, Massachusetts, November 13-16, 1967.
3. "Control Mechanisms in Normal and Nystagmic Visual Tracking." School of Engineering, University of Connecticut, Storrs, Connecticut, March 18, 1970.
4. "Cardiac Arrhythmia and Anomalous Beat Detector." Biomedical Engineering Seminar, School of Engineering, University of Miami, Coral Gables, Florida, December 2, 1970.
5. "Cardiac Arrhythmia and Anomalous Beat Detector." Mt. Sinai Hospital, Miami Beach, Florida, January 8, 1971.
6. "Application of Eye Movement Recordings to the Study of Congenital Nystagmus." Symposium on Oculomotor Physiology and Disorders, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 24-28, 1972.
7. Invited participant in panel discussion of the "Bio-instrumentation Hazards Symposium," Aerospace Medical Association, Bal Harbour, Florida, May 8-11, 1972.
Presentation: "Patient Safety"
8. "On-Line Arrhythmia and Anomalous Beat Detection." 25th Annual Conference on Engineering in Medicine and Biology, Bal Harbour, Florida, October 1-5, 1972.
9. Faculty of "Tenth Annual Neuro-Ophthalmology Course," the Bascom Palmer Eye Institute and the Department of Ophthalmology of the University of Miami School of Medicine, Key Biscayne, Florida, January 3-6, 1973.
Presentation: "Mechanisms of Congenital Nystagmus"
Discussant: "Periodic Alternating Windmill Nystagmus"
10. "Hereditary Congenital Nystagmus: Three Cases." Symposium on Eye Movements, Strabismus, and Amblyopia, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 3-7, 1973.
11. Faculty of "Neuro-Ophthalmology (Special Course Number 16)," the American Academy of Neurology, San Francisco, California, April 24, 1974.
Presentation: "Ocular Oscillations: Mechanisms"
12. "Saccadic Latencies to Multimodal Stimuli." Symposium on Eye Movements, Strabismus, and Amblyopia, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida April 25-29, 1974.
13. Faculty of "Neuro-Ophthalmology (Special Course Number 11)," the American Academy of Neurology, Miami, Florida, April 29, 1975.
Presentation: "Physiology of Eye Movements"
14. "Prism Exploitation of Gaze and Fusional Null Angles in Congenital Nystagmus," Third International Orthoptic Congress, Boston, Massachusetts, July 1-3, 1975.
15. Visiting Professor, Seminar on Congenital Nystagmus, The Laboratory of D. A. Robinson, Wilmer Institute, Johns Hopkins University, July 8, 1975.

16. Visiting Professor, Seminar on Congenital Nystagmus Waveforms, The Laboratory of D. Cogan, National Institutes of Health, July 9, 1975.

17. "Congenital Nystagmus: Observations and Treatment," American Association of Certified Orthoptists, Dallas, Texas, September 23, 1975.

18. Faculty of "Thirteenth Annual Neuro-Ophthalmology Course," the Bascom Palmer Eye Institute and the Department of Ophthalmology of the University of Miami School of Medicine, Miami Florida, January 6-9, 1976.

Presentations: "Organization of the Ocular Motor System"
"Congenital Nystagmus"

19. Faculty of "Neurophysiology (Special Course Number 2)," the American Academy of Neurology, Toronto, Canada, April 26, 1976.

Presentation: "Principles of Feedback"

20. "Ocular Motor Pursuit Deficits and Human Vestibulo-Ocular Gain." Oculomotor Physiology and Disorders Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 26-30, 1976.

21. "Effects of Visual Pursuit Deficit on the Human Vestibulo-Ocular Reflex," American Academy of Neurology, Toronto, April 29, 1976, (presented by B. Todd Troost).

22. "Quantitative Analysis of the Ocular Motor Deficit in Progressive Supranuclear Palsy," American Neurological Association, San Francisco, June 14, 1976, (presented by B. Todd Troost).

23. "The Ocular Motor System: Normal and Clinical Studies," ARVO Symposium on Eye Movements, San Antonio, Texas, October 29-30, 1976.

24. Faculty of "A Neurological Update," Fourth Annual Course, the Department of Neurology, University of Miami School of Medicine, Miami Beach, Florida, January 24-28, 1977.

Presentation: "Physiology of Eye Movements"

25. Faculty of "Basic Neurology," Annual Course, the Department of Neurology, University of Miami School of Medicine, Miami Beach, Florida, February 27 - March 4, 1977.

Presentations: "Neurophysiology"
"Introduction to Control Systems"

26. Visiting Professor, Erasmus University, Departments of Neurology and Physiology, Rotterdam, The Netherlands, March 25, 1977.

Presentation: "Eye Movement Physiology"

27. Visiting Professor, Seminar on Congenital Nystagmus Waveforms and Surgery, The Laboratory of Reimer Taumer, Freie Universität, Berlin, West Germany, March 27, 1977.

28. Visiting Professor, Seminar on Nystagmus, The Laboratory of Rolf Eckmiller, Physiologisches Institut, Freie Universität, Berlin, West Germany, March 28, 1977.

29. Visiting Professor, Ophthalmology Department, Free University, Amsterdam, The Netherlands, April 2, 1977.

Presentation: "Congenital Nystagmus Surgery"

30. Visiting Professor, Seminar on Congenital Nystagmus, Laboratory of Michael Gresty and John Leech, Hearing and Balance Unit, The National Hospitals for Nervous Diseases, Queen Square, London, England, April 4, 1977.
31. "Congenital Nystagmus-Waveforms and Foveation Strategies," Disorders of Ocular Motility - Neurophysiological and Clinical Aspects, the Deutsche Ophthalmologische Gesellschaft, Freiburg i. Br. West Germany, April 15-17, 1977.
32. "A Quantitative Study of the Surgical Treatment of Congenital Nystagmus." Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 25-29, 1977.
33. "Analogue Computer Model of Gaze-Evoked Nystagmus." Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 25-29, 1977, (presented by L.A. Abel).
34. "The Audio-Ocular Response." Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 25-29, 1977, (presented by J.R. Zahn).
35. Faculty of "Problem Solving in Strabismus," the Department of Ophthalmology, University of Miami School of Medicine and Southern Region - American Association of Certified Orthoptists, Key Biscayne, Florida, May 1-4, 1977.
Presentation: "Eye Movement Recordings in Nystagmus"
36. "Audio-Ocular Response." American Psychological Association, 85th Annual Convention, San Francisco, California, August 26-30, 1977, (presented by J.R. Zahn).
37. Consultant to the National Eye Institute of the National Institutes of Health, Purkinje Eyetracker Users' Meeting at the Eye Research Institute, Boston, Massachusetts, September 9-10, 1977.
Presentation: "Problems of Recording Eye Movements in a Clinical Setting"
Discussant: "Clinical Uses of Eye Movement Measurements"
38. Faculty of "Workshop in Neuro-Ophthalmology," Fourth International Symposium, the Department of Ophthalmology, University of Iowa College of Medicine, Iowa City, Iowa, November 10-12, 1977.
Presentations: "Fast Eye Movements (Saccades): Basic Science and Clinical Correlations"
"Nystagmus, A Contemporary Approach"
39. Visiting Professor, Department of Electrical Engineering, School of Engineering, University of Iowa, Iowa City, Iowa, November 10, 1977.
Presentation: "Ocular Motor Control Systems"
40. Faculty of "A Neurological Update," Fifth Annual Course, the Department of Neurology, University of Miami School of Medicine, Miami Beach, Florida, January 23-28, 1978.
Presentation: "An Approach to Nystagmus"
41. Faculty of "Basic Neurology," Annual Course, the Department of Neurology, University of Miami School of Medicine, Miami Beach, Florida, February 27 - March 3, 1978.
Presentation: "Neurophysiology"
42. "Intersensory Delay in the Audio-Ocular Response." Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 30 - May 5, 1978, (presented by J.R. Zahn).

43. "Saccadic Plasticity in Humans," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 30 - May 5, 1978, (presented by L.A. Abel).
44. "Fast Eye Movements in Lateral Gaze," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 30 - May 5, 1978, (presented by L.A. Abel).
45. "Latent and Manifest Latent Nystagmus," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 30 - May 5, 1978, (jointly presented by Drs. D. Schmidt and L.F. Dell'Osso).
46. "Plastische und dynamische Veränderungen des sakkadischen Systems bei Augenmuskelparesen," Deutsche Ophthalmologische Gesellschaft, Dusseldorf, West Germany, September 20, 1978, (presented by D. Schmidt).
47. "Effects of Congenital Nystagmus Surgery," American Academy of Ophthalmology, Kansas City, Missouri, October 22-26, 1978, (presented by J. T. Flynn).
48. "Sakkadische Bewegungsformen bei der Myasthenie," Berliner Augenärztliche Gesellschaft, Berlin, West Germany, December 2 & 3, 1978, (presented by D. Schmidt).
49. "Ocular Motor Abnormalities and Retinal Disease," Winter Conference on Brain Research, Satellite Meeting, "The Moving Eye," Elkhorn, Idaho, January 17-19, 1979.
50. Faculty of "Fifth Annual Rocky Mountain Neuro-Ophthalmology Course," the University of New Mexico School of Medicine, Jackson Hole/Teton Village, Wyoming, February 21-23, 1979.
Presentation: "The Value of Eye Movement Recordings"
51. Faculty of "Basic Neurology," Annual Course, the Department of Neurology, University of Miami School of Medicine, Miami Beach, Florida, February 26 - March 2, 1979.
Presentation: "Neurophysiology"
52. Faculty of "Neurophysiology (Special Course Number 5)," The American Academy of Neurology, Chicago, Illinois, April 23-28, 1979.
Presentation: "Mechanisms of Nystagmus"
53. "Saccadic Waveforms and Dynamics in Ocular Myasthenia," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 29 - May 4, 1979.
54. "Computer Simulation of Ocular Myasthenia," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 29 - May 4, 1979, (presented by L.A. Abel).
55. "Model of Alexander's Law," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 29 - May 4, 1979, (presented by M.J. Doslak).
56. "Computer Simulation of Myasthenic Eye Movements." 32nd Annual Conference on Engineering in Medicine and Biology, Denver, Colorado, October 6-10, 1979.
57. "Model of Alexander's Law of Nystagmus Variation," 32nd Annual Conference on Engineering in Medicine and Biology, Denver, Colorado, October 6-10, 1979. (presented by M.J. Doslak).
58. Session Chairman at Oculomotor System 80 Symposium, Pasadena, California, January 22-25, 1980.
Presentation: "Questions Generated by the Systems Approach to Nystagmus"

59. Faculty of "Basic Neurology," Annual Course, the Department of Neurology, University of Miami School of Medicine, Miami Beach, Florida, March 2-7, 1980.
Presentation: "Neurophysiology"
60. "Alexander's Law: A Model and Resulting Study," American Neuro-otology Society, Palm Beach, Florida, April 12, 1980. (presented by M.J. Doslak).
61. Co-Chairman of Oculomotor Physiology and Disorders Section of Association for Research in Vision and Ophthalmology, Spring Meeting, Orlando, Florida, May 4-9, 1980.
Session Moderator: "Eye Movements II"
62. "Unilateral INO: Recovery and Plasticity," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Orlando, Florida, May 4-9, 1980.
63. "Experimental Studies of Alexander's Law," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Orlando, Florida, May 4-9, 1980. (presented by M.J. Doslak).
64. "Saccadic Eye Movements in Myasthenia Gravis," Poster, Conference on Myasthenia Gravis, New York, New York, December 2-4, 1980. (presented by L.A. Abel).
65. Faculty of "Seventh Annual Rocky Mountain Neuro-Ophthalmology Course," Rocky Mountain Neuro-Ophthalmology Society, Park City, Utah, January 21-24, 1981.
Presentation: "Myasthenia Gravis - INO"
66. "Plasticity in the Human Saccadic System," Panel 17, "A Multi-Faceted Overview of the Saccadic Eye Movement System and the Cerebellum," Fourteenth Annual Winter Conference on Brain Research, Keystone, Colorado, January 24-31, 1981.
67. "The Effects of Age on Saccadic Eye Movement Characteristics," Eye Movements Poster Session, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 28 - May 1, 1981. (presented by L.A. Abel).
68. "Absence of VOR Suppression in the Presence of Intact Pursuit," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 28 - May 1, 1981.
69. "The Nystagmus Compensation (Blockage) Syndrome," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 28 - May 1, 1981. (presented by C. Ellenberger).
70. Visiting Professor, Department of Otorhinolaryngology, University Hospital of Lund, Lund, Sweden, August 28, 1981.
Presentation: "Congenital Nystagmus: Basic and Clinical Aspects"
71. "Congenital Nystagmus: Basic Aspects," Symposium on Functional Basis of Ocular Motility Disorders, Wenner-Gren Center, Stockholm, Sweden, August 31, 1981.
72. Visiting Professor, Istituto di Clinica delle Malattie Nervose e Mentali, Università di Sassari, Sassari (Sardinia), Italy, September 10, 1981.
Presentation: "Congenital Nystagmus: Basic and Clinical Aspects"
73. "Eye Movement Abnormalities in the Eaton-Lambert Syndrome," Poster, Conference on Myasthenia Gravis, New York, New York, December 4, 1981.

74. Faculty of "Eighth Annual Rocky Mountain Neuro-Ophthalmology Course," Rocky Mountain Neuro-Ophthalmology Society, Dillon Lake, Colorado, February 23-27, 1982.
Session Moderator
Presentation: "Neural Integrator Malfunctions"
75. "Downbeat Nystagmus With Multiple Waveforms - Evidence for a Variable Instability," Eye Movements Poster Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 2-7, 1982. (presented by L.A. Abel).
76. "Eye Movement Abnormalities in the Eaton-Lambert Syndrome," Eye Movements Poster Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 2-7, 1982.
77. Session Chairman at Oculomotor System 82 Symposium, Chicago, Illinois, November 8-10, 1982.
Presentation: "Downbeat Nystagmus - Do Different Waveforms Imply Specific Mechanisms?" (presented by L.A. Abel).
78. Faculty of "Ninth Annual Rocky Mountain Neuro-Ophthalmology Course," Rocky Mountain Neuro-Ophthalmology Society, Big Sky, Montana, February 15-19, 1983.
Presentations: "Physiology - Vestibulo-Ocular Reflex"
"Computer Models - Vestibulo-Ocular Reflex"
79. "Strabismo: condizione necessaria per il nistagmo latente e per il nistagmo latente manifesto," Poster, Riunione congiunta della Lega Italiana contro l'Epilessia, Società Italiana di E.E.G. e Neurofisiologia Clinica, Società Italiana di Neurologia, Roma, Italia, March 30-June 1, 1983. (presented by S. Traccis).
80. "Strategia dei saccadici evocati da stimoli acustici," Poster, Riunione congiunta della Lega Italiana contro l'Epilessia, Società Italiana di E.E.G. e Neurofisiologia Clinica, Società Italiana di Neurologia, Roma, Italia, March 30-June 1, 1983. (presented by S. Traccis).
81. "Strabismus - A Necessary Condition for Latent and Manifest Latent Nystagmus," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 1-6, 1983.
82. "Saccadic Variability: Contributions from Fatigue, Inattention and Amplitude," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 1-6, 1983. (presented by L.A. Abel).
83. "Smooth Pursuit and Fixation in the Parents of Schizophrenics," Society for Neuroscience, 13th Annual Meeting, Boston, Massachusetts, November 6-11, 1983. (presented by L.A. Abel).
84. Panel Chairman of Panel 44, "Normal Ocular Motor Physiology Revealed Through the Study of Pathophysiology," Seventeenth Annual Winter Conference on Brain Research, Steamboat Springs, Colorado, January 21-28, 1984.
Presentation: "Congenital Nystagmus, Alexander's Law and Myasthenia Gravis"
85. "Slow Saccades and Hypometria in Anticonvulsant Toxicity," Eye Movements Poster Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 30 - May 4, 1984. (presented by S.E. Thurston).
86. "The Effects of Distraction on Smooth Pursuit," Eye Movements Poster Session, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 30 - May 4, 1984. (presented by S.R. Kaufman).

87. "Audio-Ocular Response (AOR): Saccadic Programming," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 30 - May 4, 1984. (presented by L.A. Abel).
88. "Square Wave Oscillation and Saccadic Intrusions," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 30 - May 4, 1984.
89. "Death of a Saccade: Development of the 'Slow-to-No' Saccade Syndrome," Ocular Motor Minisymposium, Johns Hopkins University, Baltimore, Maryland, October 7, 1984. (presented by L.A. Abel).
90. Faculty of "Eleventh Annual Rocky Mountain Neuro-Ophthalmology Course," Rocky Mountain Neuro-Ophthalmology Society, Banff, Alberta, Canada, March 6-10, 1985.
Presentation: "Congenital Nystagmus, Latent Nystagmus and Strabismus"
91. "The Smooth Pursuit System in CN is Normal," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 6-10, 1985.
92. "Saccadic Deterioration in Spinocerebellar Degeneration," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 6-10, 1985. (presented by L.A. Abel).
93. Special Guest Lecture at the 41st Congress of the Japanese Association of Strabismus and Amblyopia (JASA), Tokyo, Japan, June 22-24, 1985.
Presentation: "Congenital, Latent and Manifest Latent Nystagmus:
Similarities, Differences and their Relation to Strabismus"
94. Guest Lecture at the Joint Meeting of Jikei University and Kitasato University, Tokyo, Japan, June 26, 1985.
Presentation: "The Smooth Pursuit System in CN Patients is Normal"
95. Visiting Professor, Department of Ophthalmology, Kitasato University, Kanagawa, Japan, June 27, 1985.
Presentation: "Congenital Nystagmus - Basic Aspects"
96. Visiting Professor, Department of Ophthalmology, Shiga University, Shiga, Japan, July 1, 1985.
97. Visiting Professor, Department of Ophthalmology, Hyogo College, Kobe, Japan, July 1, 1985.
98. Guest Lecture at the Joint Meeting of Shiga University and Hyogo College, Kobe, Japan, July 1, 1985.
Presentation: "Congenital Nystagmus - Basic Aspects"
99. Visiting Professor, Department of Ophthalmology, Kawasaki Medical School, Okayama, Japan, July 3, 1985.
Presentation: "Congenital Nystagmus - Basic Aspects"
100. Visiting Professor, Department of Ophthalmology, Okayama University Medical School, Okayama, Japan, July 3, 1985.
101. "Abnormal Head Position and Head Motion Associated with Nystagmus," Session VI: Oscillopsia and Congenital Nystagmus, Adaptive Processes in Visual and Oculomotor Systems Conference, Asilomar, California, September 16-20, 1985.

102. "Spasmus Nutans: A Quantitative, Prospective Study," Session VI: Oscillopsia and Congenital Nystagmus, Adaptive Processes in Visual and Oculomotor Systems Conference, Asilomar, California, September 16-20, 1985. (presented by B.M. Weissman)
103. "Through A Glass Darkly: Latent Nystagmus Reversal When Viewing With An Ocular Prosthesis," Oculomotor Minisymposium, Chicago, Illinois, October 2, 1985. (presented by L.A. Abel)
104. "Hyperactive Vestibulo-Ocular Reflex In Cerebellar Degeneration," Oculomotor Minisymposium, Chicago, Illinois, October 2, 1985. (presented by R.J. Leigh)
105. Faculty of "Twelfth Annual Rocky Mountain Neuro-Ophthalmology Course," Rocky Mountain Neuro-Ophthalmology Society, Whistler, British Columbia, Canada, February 23-27, 1986.
Presentations: "Smooth Pursuit and Congenital or Acquired Nystagmus"
"Can You 'Look' Through a Blind Eye? If So, What Happens?"
106. "Through an Eye Darkly - MLN Reversal by 'Looking' with a Blind Eye," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 28 - May 2, 1986.
107. "A Longitudinal Study of the Saccades in Patients with Alzheimer's and Huntington's Disease," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 28 - May 2, 1986. (presented by L.A. Abel).
108. "To Say 'Bad' Isn't Enough - Nonspecificity of the Ln(S/N) Ratio for Smooth Pursuit Analysis," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 28 - May 2, 1986. (presented by A.S. Ziegler).
109. "Spasmus Nutans: A Longitudinal, Oculographic Evaluation," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 28 - May 2, 1986.
110. "Oscillopsia, Retinal Image Stabilization and Congenital Nystagmus," Ocular Motor Symposium, Clinical Eye Movement Society, Boston, Massachusetts, October 5, 1986. (presented by R.J. Leigh).
111. "Persistent Pendular Oscillations: A Sequelae of Opsoclonus?" Ocular Motor Symposium, Clinical Eye Movement Society, Boston, Massachusetts, October 5, 1986. (presented by B.M. Weissman).
112. "Saccadic Intrusions and Oscillations in Infancy." Ocular Motor Symposium, Clinical Eye Movement Society, Boston, Massachusetts, October 5, 1986. (presented by R.W. Hertle).
113. "Frequency and Velocity Ranges of Natural Head Rotations," Society for Neuroscience, Washington, DC, November 9-14, 1986. (presented by G.E. Grossman).
114. "Oscillopsia and Retinal Image Stabilization in Congenital Nystagmus," North American Neuro-Ophthalmology Society, Northstar at Tahoe, California, February 1-5, 1987.
115. "Oscillopsia and Retinal Image Stabilization in Congenital Nystagmus," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 4-8, 1987.
116. "Torsional Nystagmus," Fourth Ocular Motor Symposium, American Neurological Association, San Francisco, California, October 17-21, 1987. (presented by R.J. Leigh).
117. Special Discussant: "Visual Consequences of Abnormal Eye Movements and their Treatment" (presented by R.J. Leigh). The Trygve Gundersen Eye Center, Boston, Massachusetts, December 19, 1987.

118. "Contact Lenses and Congenital Nystagmus," North American Neuro-Ophthalmology Society, Mt. Crested Butte, Colorado, February 21-25, 1988.
119. "Foveation Dynamics in Congenital Nystagmus," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 1-6, 1988.
120. "Correlation Between Latency and Velocity in Neurologic Patients and Elderly, but Not Young, Normal Subjects," Eye Movements Poster Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 1-6, 1988.
121. "Fixation Accuracy in Congenital Nystagmus," Clinical Eye Movements Section, 1988 Neuro-Ophthalmology Congress and 1988 International Perimetric Society Meeting, Vancouver, BC, Canada, May 6-12, 1988.
122. "Contact Lenses and Congenital Nystagmus," Clinical Eye Movements Section, 1988 Neuro-Ophthalmology Congress and 1988 International Perimetric Society Meeting, Vancouver, BC, Canada, May 6-12, 1988.
123. "Saccadic Velocity-Latency Correlation in Normals and Patients," Clinical Eye Movements Poster Section, 1988 Neuro-Ophthalmology Congress and 1988 International Perimetric Society Meeting, Vancouver, BC, Canada, May 6-12, 1988.
124. "Downbeat Nystagmus in an Infant: Spontaneous Resolution During Infancy," Clinical Eye Movements Poster Section, 1988 Neuro-Ophthalmology Congress and 1988 International Perimetric Society Meeting, Vancouver, BC, Canada, May 6-12, 1988.
125. "Pursuit and VOR Dynamics in Congenital Nystagmus," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 1-6, 1989.
126. Faculty of "Gruppo Italiano per lo Studio dei Movimenti Oculari," III Incontro Nazionale, I Corso di Aggiornamento Teorico-Pratico, Alghero (Sardinia), Italy, June 15-17, 1989.
Presentation: "Nistagmo Infantile"
127. Faculty of "Sixteenth Annual North American Neuro-Ophthalmology Course," North American Neuro-Ophthalmology Society, Steamboat Springs, Colorado, February 3-10, 1990
Presentations: "Gaze Evoked Nystagmus and its Differential Diagnosis"
"Congenital Nystagmus Foveation Periods and Oscillopsia"
128. "Foveation Periods and Oscillopsia in Congenital Nystagmus," Eye Movements Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 29 - May 4, 1990.
129. Faculty of "Advanced Course on Eye Movement Disorders," Joint Meeting of the Belgian Neurological and Ophthalmological Societies, Brugge, Belgium, June 22, 1990.
Presentation: "Eye Movements, Visual Acuity and Spatial Constancy"
130. "Smooth Pursuit and VOR are Normal in Congenital Nystagmus," Clinical Eye Movements Section, VIIIth International Neuro-Ophthalmology Society, Winchester, England, June 23-29, 1990.
131. "Congenital Nystagmus Foveation Periods are Necessary to Suppress Oscillopsia," Clinical Eye Movements Section, VIIIth International Neuro-Ophthalmology Society, Winchester, England, June 23-29, 1990.

132. Visiting Professor, Department of Optometry and Visual Sciences, UMIST, Manchester, England, July 3, 1990.

Presentation: "Eye Movements, Visual Acuity and Spatial Constancy"

133. "Superior Oblique Myokymia: Measurements in Three Patients," Clinical Eye Movements Society Satellite Meeting of The American Neurological Academy, Atlanta, Georgia, October 10, 1990. (presented by R.J. Leigh).

134. "Required Conditions for Visual Constancy," North American Neuro-Ophthalmology Society, Park City, Utah, February 23 - March 2, 1991.

135. "Required Ocular Motor Conditions for Visual Constancy," Eye Movements/Visual Direction Poster Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, April 28 - May 3, 1991.

136. Faculty of "Neuro-Ophthalmology 1991," the Department of Neurology, Case Western Reserve University, School of Medicine, Beachwood, Ohio, June 7, 1991.

Presentation: "Nystagmus Update: Oscillopsia Suppression"

137. "Hereditary Congenital Nystagmus and Gaze-Holding Failure," Eye Movements/Visual Direction Poster Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 3 - May 8, 1992.

138. Faculty of "Gruppo Italiano per lo Studio dei Movimenti Oculari," V Incontro Nazionale, Alghero (Sardinia), Italy, May 26-17, 1992.

Presentations: "The Ocular Motor Conditions for Oscillopsia"
"Saccadic Pathology and Plasticity"

139. Visiting Professor, Istituto di Clinica Neurologica, Università di Sassari, Sassari (Sardinia), Italy, May 25 - June 11, 1992.

140. "Required Conditions for the Suppression of Oscillopsia," IX International Neuro-Ophthalmology Society, Williamsburg, Virginia, June 28 - July 3, 1992.

141. "Hereditary Congenital Nystagmus and Gaze-Holding Failure," IX International Neuro-Ophthalmology Society, Williamsburg, Virginia, June 28 - July 3, 1992.

142. "Treatment of Acquired Nystagmus with Botulinum Toxin," IX International Neuro-Ophthalmology Society, Williamsburg, Virginia, June 28 - July 3, 1992. (presented by B. Remler).

143. Visiting Professor, Department of Anatomy and Neurobiology, University of Tennessee, Memphis, Tennessee, September 14 - 17, 1992.

144. North American Neuro-Ophthalmology Society, Big Sky, Montana, February 7 - 11, 1993.

Posters: "Foveation Dynamics and Oscillopsia in Latent/Manifest Latent Nystagmus"
"Ocular Motor Abnormalities in Achromatic Belgian Sheepdogs"

145. "Foveation Dynamics and Oscillopsia in Latent/Manifest Latent Nystagmus," Eye Muscles and Neuro-Ophthalmology Poster Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 2 - May 7, 1993.

146. "Ocular Motor Abnormalities in Achiasmatic Mutant Belgian Sheepdogs," Eye Muscles and Neuro-Ophthalmology Poster Section, Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 2 - May 7, 1993.
147. Visiting Professor, Department of Neurology, University of Amsterdam, Amsterdam, The Netherlands, September 20, 1993.
Presentation: "Visual Acuity and Oscillopsia Suppression in Congenital and Latent/Manifest Latent Nystagmus"
148. Visiting Professor, Department of Physiology I, Erasmus University, Rotterdam, The Netherlands, September 21-24, 1993.
Presentation: "Foveation Dynamics and Oscillopsia in Congenital and Latent/Manifest Latent Nystagmus"
149. "Evidence Suggesting Individual Ocular Motor Control of Each Eye (Muscle)," Poster at Festschrift for David A. Robinson, Eibsee, Germany, September 26-29, 1993.
150. "Afferent Stimulation in Congenital Nystagmus," Poster at North American Neuro-Ophthalmology Society, Durango, Colorado, February 27 - March 3, 1994.
151. Visiting Professor, Department of Ophthalmology, Kitasato University, Kanagawa, Japan, March 27-28, 1994.
Presentation: "Afferent Stimulation in Congenital Nystagmus"
152. Visiting Professor, Department of Ophthalmology, Hyogo Medical School, Kobe, Japan, March 29-30, 1994.
Presentation: "Ocular Motor System Organization"
153. Visiting Professor, Department of Ophthalmology, Kawasaki Medical School, Okayama, Japan, March 31 - April 4, 1994.
154. "Congenital and Latent/Manifest Latent Nystagmus: Differential Diagnosis and Treatment; Foveation; Acuity; and Oscillopsia Suppression," Special Guest Lecture, 19th Congress of Japanese Pediatric Ophthalmology, Okayama, Japan, April 2, 1994.
155. Fourth Joint Workshop, "Eye Movement Monitoring in Ophthalmology - Instrumentation and Signal Processing," NIH and the Polish Academy of Sciences, Warsaw, Poland, April 11-15, 1994.
Session Chairman: "Eye Movement Disorders"
156. "Congenital and Latent/Manifest Latent Nystagmus: Visual Acuity and Oscillopsia," Fourth Joint Workshop, "Eye Movement Monitoring in Ophthalmology - Instrumentation and Signal Processing," NIH and the Polish Academy of Sciences, Warsaw, Poland, April 11-15, 1994.
157. Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 1-6, 1994.
Session Moderator: "Nystagmus"
158. "Afferent Stimulation in Congenital Nystagmus," Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 1-6, 1994. (presented by N.V. Sheth).
159. "Ocular Motor Abnormalities in Human Achiasmatic Syndrome," Association for Research in Vision and Ophthalmology, Spring Meeting, Sarasota, Florida, May 1-6, 1994. (presented by P. Apkarian).

160. "Afferent Stimulation, Congenital Nystagmus and Visual Acuity," X International Neuro-Ophthalmology Society, Freiburg, Germany, June 5-9, 1994.
161. "Smooth Pursuit with Sampled Visual Input: Comparison to Congenital Nystagmus," Gruppo Italiano per lo Studio dei Movimenti Oculari, VI Incontro Nazionale, Pavia, Italy, June 13-15, 1994.
162. "Leaky Neural Integration of Torsional, Vestibular Signals in Humans," Society for Neuroscience, Miami Beach, FL, November 13-18, 1994. (presented by S.H. Seidman).
163. Visiting Professor, Division of Ophthalmology, Children's Hospital of Philadelphia and University of Pennsylvania Medical School, Philadelphia, Pennsylvania, April 14-15, 1995.
Presentation: "Nystagmus in Childhood and Infancy"
164. "Oscillopsia Suppression: Efference Copy or Foveation Periods?," Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, May 14-19, 1995.
165. "Clinical and Oculographic Analysis of Congenital Nystagmus (CN) in Infancy," Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, May 14-19, 1995. (presented by R.W. Hertle).
166. "Achiasmatic Mutant Belgian Sheepdogs: A Congenital Nystagmus Model," Poster at North American Neuro-Ophthalmology Society, Snowbird, Utah, February 11 - 15, 1996.
167. "Latent Nystagmus Fast-Phase Generation," Poster at North American Neuro-Ophthalmology Society, Snowbird, Utah, February 11 - 15, 1996.
168. "Braking Saccade Generation in Congenital Nystagmus," North American Neuro-Ophthalmology Society, Snowbird, Utah, February 11 - 15, 1996.
169. Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, April 21-26, 1996.
Session Moderator: "Nystagmus 1"
Presentation: "Achiasmatic Mutant Belgian Sheepdogs:
An Animal Model for Congenital Nystagmus"
170. "Latent Nystagmus Fast-Phase Generation," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, April 21-26, 1996. (presented by D.M. Erchul).
171. "Braking Saccade Generation in Congenital Nystagmus," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, April 21-26, 1996. (presented by J.B. Jacobs).
172. Faculty of "Gruppo Italiano per lo Studio dei Movimenti Oculari," VII Incontro Nazionale, Sorrento, Italy, June 20-22, 1996.
Presentation: "Acquired Nystagmus Mechanisms and Treatments: A Review"
173. Joint Session, XIX Meeting of the Bárány Society and XI International Neuro-Ophthalmology Society, Sydney, Australia, August 14, 1996.
Session Moderator: "Eye Movement Disorders 1"
Presentation: "An Unusual Infantile Nystagmus with Oscillopsia,"
174. "Achiasmatic Mutant Belgian Sheepdogs: An Animal Model for Congenital Nystagmus," XI International Neuro-Ophthalmology Society, Sydney, Australia, August 14-16, 1996.

175. "Oscillopsia Suppression: Efference Copy or Foveation Periods?," XI International Neuro-Ophthalmology Society, Sydney, Australia, August 14-16, 1996.

176. Faculty of "International Symposium for Therapy of Ocular Motility and Related Visual Disturbances," Cleveland, Ohio, November 15-16, 1996.

Presentation: "Therapies for Congenital Nystagmus"

177. Visiting Professor, Department of Neurology, University of Arkansas, Little Rock, Arkansas, January 10, 1997.

Presentation: "Achiasmatic Belgian Sheepdogs: A Congenital Nystagmus Model"

178. Panel 16, "The Use of Internal Models and Prediction in the Generation of Motor Programs and Perception," Thirtieth Annual Winter Conference on Brain Research, Breckenridge, Colorado, January 25 - February 1, 1997.

Presentation: "Oscillopsia Suppression: Efference Copy or Foveation Periods?"

179. "Eye Movements in Canine Hemiachiasma," North American Neuro-Ophthalmology Society, Keystone, Colorado, February 9 - 13, 1997.

180. "Congenital Nystagmus Braking Saccade Characteristics," Poster at North American Neuro-Ophthalmology Society, Keystone, Colorado, February 9 - 13, 1997.

181. "Latent Nystagmus in Down's Syndrome," American Academy of Neurology, Boston, April 11-19, 1997. (presented by L. Averbuch-Heller).

182. Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, May 11-16, 1997.

Session Moderator: "Nystagmus"

Presentation: "Eye Movements in Canine Hemiachiasma"

183. "Congenital Nystagmus Braking Saccade Characteristics," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, May 11-16, 1997. (presented by J.B. Jacobs).

184. "Latent Nystagmus Fast-Phase Generation," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, May 11-16, 1997. (presented by D.M. Erchul).

185. Visiting Professor, Department of Ophthalmology, University of Tennessee, Memphis, Tennessee, November 20, 1997.

Presentation: "Achiasmatic Belgian Sheepdogs: A Congenital Nystagmus Model"

186. "Double-blind Controlled Study of Gabapentin and Baclofen as Treatment for Acquired Pendular Nystagmus," Ohio Vision Research Symposium, CWRU Visual Science Research Center and the National Eye Institute, Cleveland, Ohio, January 6, 1998. (presented by R.J. Leigh).

187. "Extraocular Muscle Tenotomy Alone (the Dell'Osso Procedure): Results on Congenital Nystagmus (CN) in Achiasmatic Belgian Sheepdogs (ABS)," 24th Annual Meeting, American Association for Pediatric Ophthalmology and Strabismus, Palm Springs, California, April 4-8, 1998. (presented by R.W. Hertle).

188. "An Expanded Nystagmus Acuity Function," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, May 10-15, 1998. (presented by J.B. Jacobs).

189. "A Preliminary Model of Congenital Nystagmus (CN) Incorporating Braking Saccades," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, May 10-15, 1998.
190. "Extraocular Muscle Tenotomy (*The Dell'Osso Procedure*): Damping of Congenital (CN) and See-Saw (SSN) Nystagmus in the Achromatic Belgian Sheepdog (ABS)," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, May 10-15, 1998. (presented by R.W. Hertle).
191. XII International Neuro-Ophthalmology Society, Dublin, Ireland, July 19-23, 1998.
Session Moderator: "Session 1, Nystagmus"
Presentations: "A Preliminary Model of Congenital Nystagmus (CN) Incorporating Braking Saccades"
"An Expanded Nystagmus Acuity Function"
"Extraocular Muscle Tenotomy: Damping of Congenital (CN) and See-Saw (SSN) Nystagmus in the Achromatic Belgian Sheepdog (ABS)"
192. Visiting Professor, Department of Optometry, University of Manchester Institute of Science and Technology, Dr. Richard Abadi, Manchester, England, December 10,11, 1998.
193. Visiting Professor, The National Hospital for Neurology and Neurosurgery, Institute of Neurology, Dr. Josephine Shallo-Hoffman, Queen Square, London, England, December 12-15, 1998.
194. "Ocular Motor Research: Clinical <--> Basic," Invited Guest Lecture, 10th British Ocular Motor Group Meeting, London, England, December 14, 1998.
Session Chairman: "Open Contributions"
195. Visiting Professor, The National Hospital for Neurology and Neurosurgery, Institute of Neurology, Dr. Graham Barnes, Queen Square, London, England, December 15, 1998.
196. Visiting Professor, Great Ormond Street Hospital, Dr. Chris Harris, London, England, December 15, 1998.
197. "A Dual-Mode Model for Latent Nystagmus," Poster at North American Neuro-Ophthalmology Society, Snowmass, Colorado, March 14 - 18, 1999.
198. "A Dual-Mode Model for Latent Nystagmus," Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, May 9-14, 1999. (presented by J.B. Jacobs).
199. Visiting Professor, National Institutes of Health, Dr. Richard Hertle, Bethesda, Maryland, July 29, 1999.
Presentation: "Of Dogs and Men: Help From 'Man's Best Friend'"
200. "Types of Infantile Nystagmus: Congenital and Latent Forms," Keynote Speaker at The American Nystagmus Network Inc., Inaugural Meeting and Conference, Cleveland, Ohio, July 30-31, 1999.
201. Visiting Professor, SUNY, College of Optometry, Dr. Kenneth Ciuffreda, New York, New York, March 10, 2000.
Presentation: "Of Dogs and Men: Help From 'Man's Best Friend'"
Schnurmacher Institute for Vision Research Colloquia
202. "A Model of Congenital Nystagmus (CN) Incorporating Braking and Foveating Saccades," Poster at North American Neuro-Ophthalmology Society, Mt. Tremblant, Quebec, Canada, March 26 - 30, 2000.

203. "A Model of Congenital Nystagmus (CN) Incorporating Braking and Foveating Saccades," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, April 30-May 5, 2000. (presented by J.B. Jacobs).

204. "Clinical, Radiographic and Electrophysiologic Findings in Patients with Achiasma or Hemichiasma," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, April 30-May 5, 2000. (presented by R.W. Hertle).

205. "Congenital Periodic Alternating Nystagmus with Unusual Slow-Phase Waveforms," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, April 30-May 5, 2000.

206. XIII International Neuro-Ophthalmology Society, Toronto, Canada, September 10-14, 2000.

Presentations: "Preliminary Results of Performing the Tenotomy Procedure on Adults with Congenital Nystagmus (CN) – A Gift From 'Man's Best Friend'"

"A Robust, Normal Ocular Motor System Model with Latent/Manifest Latent Nystagmus (LMLN) and Dual-Mode Fast Phases," Poster

"A Robust, Normal Ocular Motor System Model with Congenital Nystagmus (CN) Including Braking and Foveating Saccades," Poster

207. Guest Faculty of Pediatric Ophthalmology Update, Cole Eye Institute, Cleveland Clinic, Cleveland, Ohio, December 9, 2000.

Presentation: "Clinical Usefulness of Ocular Motility recordings of the Patient with Nystagmus"

208. "Horizontal Rectus Tenotomy in the Treatment of Congenital Nystagmus (CN): Results of a Study in Ten Adult Patients (Phase 1)," 27th Annual Meeting, American Association for Pediatric Ophthalmology and Strabismus, Orlando, Florida, March 22-25, 2001. (presented by R.W. Hertle).

209. "Two Time-Varying Components Can Produce Anomalous Slow-Phase Appearances in Congenital Nystagmus (CN)," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, April 29 – May 4, 2001. (presented by S. Dun).

210. "A Hypothetical Fixation System Capable of Extending Foveation in Congenital Nystagmus," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, April 29 – May 4, 2001. (presented by J.B. Jacobs).

211. "The Torsional Component of "Horizontal" Congenital Nystagmus (CN)," Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, April 29 – May 4, 2001.

212. "Horizontal Rectus Tenotomy in the Treatment of Congenital Nystagmus (CN): Results of a Study in Ten Adult Patients (Phase 1)," Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, April 29 – May 4, 2001. (presented by R.W. Hertle).

213. Faculty of "Neurobiology of Eye Movements: From Molecules to Behavior," Cleveland, Ohio. October 4-6, 2001.

Presentations: "Development of New Treatments for Congenital Nystagmus"

"A Robust, Normal Ocular Motor System Model with Latent/Manifest Latent Nystagmus (LMLN) and Dual-Mode Fast Phases," Poster

"A Hypothetical Fixation System Capable of Extending Foveation in Congenital Nystagmus," Poster (presented by J.B. Jacobs)

214. "A Hypothetical Fixation System Capable of Extending Foveation in Congenital Nystagmus," Poster at North American Neuro-Ophthalmology Society, Copper Mt., Colorado, February 10 - 14, 2002.

215. "Effects on Congenital Nystagmus (CN) of Combined Gaze-Angle and Vergence Variation: Therapeutic Implications," Poster at North American Neuro-Ophthalmology Society, Copper Mt., Colorado, February 10 - 14, 2002.
216. "Oscillating Scotomas of Migraine Auras or Induced See-Saw Nystagmus (SSN) with Loss of Vertical Fusion in Congenital Nystagmus (CN)," Poster at North American Neuro-Ophthalmology Society, Copper Mt., Colorado, February 10 - 14, 2002.
217. XIV International Neuro-Ophthalmology Society, Buenos Aires, Argentina, May 5-8, 2002.
"A Hypothetical Fixation System Capable of Extending Foveation in Congenital Nystagmus" Poster
"Effects on Congenital Nystagmus (CN) of Combined Gaze-Angle and Vergence Variation: Therapeutic Implications"
Session Co-Chairman: "Ocular Motility"
Presentations: "Four-Muscle Tenotomy: Evaluation of a New Treatment for Congenital Nystagmus"
"Oscillating Scotomas of Migraine Auras or "Induced" See-Saw Nystagmus (SSN) with Loss of Vertical Fusion in Congenital Nystagmus (CN)"
218. "Effects on Congenital Nystagmus (CN) of Combined Gaze-Angle and Vergence Variation: Therapeutic Implications," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, May 5 - 10, 2002. (presented by A. Serra).
219. "Oscillating Scotomas of Migraine Auras or "Induced" See-Saw Nystagmus (SSN) with Loss of Vertical Fusion in Congenital Nystagmus (CN)," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, May 5 - 10, 2002. (presented by J.B. Jacobs).
220. "Phase-1 Clinical Trial Results of the Tenotomy Procedure on Patients with Congenital Nystagmus." An Update on Pediatric Ophthalmology: Amblyopia and Mechanisms of Eye Movement Disorders in Congenital Esotropia, The Cleveland Clinic Foundation, Cole Eye Institute, Cleveland Ohio, August 24, 2002.
221. "Novel Surgery for Nystagmus: Initial Trial Results." Invited Lecture, Sixteenth National Research to Prevent Blindness Science Writers Seminar in Eye Research and Vision, Washington DC, September 21-25, 2002.
222. "Horizontal Rectus Tenotomy in Patients with Congenital Nystagmus." Annual Meeting of the American Academy of Ophthalmology, Orlando, Florida, October 21-25, 2002. (presented by R.W. Hertle).
223. "Horizontal Rectus Tenotomy in Patients with Congenital Nystagmus." Poster at North American Neuro-Ophthalmology Society, Snowbird, Utah, February 9-13, 2003.
224. ""Staircase" Saccadic Intrusions and Transient Yoking and Neural Integrator Failures Associated with Cerebellar Hypoplasia." Poster at North American Neuro-Ophthalmology Society, Snowbird, Utah, February 9-13, 2003.
225. North American Neuro-Ophthalmology Society, Snowbird, Utah, February 9-13, 2003.
Session Co-Chairman: "Platform Presentations - Open Papers"
Presentation: "Gene Therapy to Abolish Congenital Nystagmus in PRE65-Deficient Canines."
226. ""Staircase" Saccadic Intrusions and Transient Yoking and Neural Integrator Failures Associated with Cerebellar Hypoplasia," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, May 4 - 9, 2003. (presented by S.M. Garbutt).

227. "Horizontal Rectus Tenotomy in the Treatment of Congenital Nystagmus: Results of a Phase 1 Study of Ten Patients," Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, May 4 – 9, 2003. (presented by R.W. Hertle).
228. "Gene Therapy to Abolish Congenital Nystagmus in RPE65-Deficient Canines," Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, May 4 – 9, 2003. (presented by J.B. Jacobs).
229. "Diagnosing and Treating Infantile Nystagmus with Ocular Motility Recordings," Invited Lecture, American Academy of Optometry – Academy 2003, Dallas, Texas, December 4 – 7, 2003.
230. "Classification of Eye Movement Abnormalities and Strabismus (CEMAS): Nystagmus," Invited Lecture, First Ibero-American Congress of Neuro-Ophthalmology, Lima, Peru, December 6 – 8, 2003.
231. "Horizontal Rectus Tenotomy in the Treatment of Congenital Nystagmus: Phase-1, Clinical-Trial Results in Ten Patients," Invited Lecture, First Ibero-American Congress of Neuro-Ophthalmology, Lima, Peru, December 6 – 8, 2003.
232. "Gene Therapy to Abolish Congenital Nystagmus in RPE65-Deficient Canines," Invited Lecture, First Ibero-American Congress of Neuro-Ophthalmology, Lima, Peru, December 6 – 8, 2003.
233. "'Staircase' Saccadic Intrusions and Transient Yoking and Neural Integrator Failure Associated with Cerebellar Hypoplasia," Invited Lecture, First Ibero-American Congress of Neuro-Ophthalmology, Lima, Peru, December 6 – 8, 2003.
234. Faculty of "the Basic Science Course in Ophthalmology," the Edward Harkness Eye Institute, College of Physicians and Surgeons, Columbia University, New York, New York, January 9, 2004.
Presentation: "Nystagmus"
Discussant: "Nystagmus Surgery"
235. "The Damping of Acquired Pendular Nystagmus and Oscillopsia in MS after Four-Muscle Tenotomy," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, April 25 – 30, 2004.
236. "The Damping Effects of Full-field Optokinetic Backgrounds on Fusion Maldevelopment Nystagmus," Poster at Association for Research in Vision and Ophthalmology, Spring Meeting, Ft. Lauderdale, Florida, April 25 – 30, 2004. (presented by J.B. Jacobs).
237. "Congenital Nystagmus in Dogs with Achromia or Lebers Congenital Amaurosis. Help from 'Man's Best Friend'," Faculty of 6th Biannual William Magrane Basic Science Course in Veterinary and Comparative Ophthalmology and Histologic Basis of Ocular Disease Short Course, Raleigh, North Carolina, May 4, 2004.