

CURRICULUM VITAE

Marilyn E. Schneck

Education:

- 1984 Ph.D. - Psychology
University of Washington, Seattle, Washington
- 1979 M.A. - Experimental Psychology
Adelphi University, Garden City, New York
- 1977 B.A. - Psychology
Adelphi University, Garden City, New York

Research/Professional Experience

- 2004 - 2016 Researcher, School of Optometry, University of California, Berkeley
- 2002- Scientist, Smith-Kettlewell Eye Research Institute, San Francisco, CA
- 1999 - 2004 Associate Research Scientist, School of Optometry, University of California, Berkeley
- 2003 Consultant: Pharmacia Corporation
- 1995 - 2002 Associate Scientist, Smith-Kettlewell Eye Research Institute, San Francisco, CA
- 1993 - 1999 Assistant Research Scientist, School of Optometry, University of California, Berkeley
- 1991-1995 Research Associate, Smith-Kettlewell Eye Research Institute, San Francisco, CA
- 1989 - 93 Research Associate, School of Optometry, University of California, Berkeley
- 1987 - 89 Post Doctoral Fellow, School of Optometry,
University of California at Berkeley
Recipient of NEI Individual Post Doctoral Fellowship
(National Research Service Award)
- 1986 - 87 Post Doctoral Fellow, Department of Ophthalmology,
Hospital for Sick Children and the University of Toronto, Ontario, Canada
- 1984 - 86 Post Doctoral Fellow, Department of Ophthalmology,
University of Washington, Seattle, Washington

Current Memberships: Professional Organizations

Association for Research in Vision and Ophthalmology

Optical Society of America

International Society for Clinical Electrophysiology of Vision

Vision Sciences Society

Professional Service

Committees

- | | |
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| 2000-2004 | Institutional Review Board (Alternate), California Pacific Medical Center- |
| 2001-2003 | Oxyopia (weekly vision sciences seminar) organizer – |
| 2002-2006 | Section Chair: Clinical Vision Sciences: Optical Society of America (OSA). |
| 2002-2006 | Program Committee, OSA Fall Vision Meeting |
| 2005 | External reviewer for Canadian Institutes of Health Research (CIHR) |
| 2007-2011 | Program Committee, Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, FL |

Other

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| 2002 | Co-editor (with Ann Elsner and Pablo Artal) Special Feature Issue of Journal of the Optical Society of America (A), Aging of the Human Visual System, January 2002 |
| Ongoing | Reviewer for scientific journals including:
Vision Research, Optometry and Vision Science, Investigative Ophthalmology and Visual Science, Journal of the Optical Society of America A, Visual Neuroscience, Perception, Documenta Ophthalmologica, Ophthalmology, and British Journal of Ophthalmology). |

Published Papers

1. Powers M.K., Schneck M., and Teller D.Y. Spectral sensitivity of human infants. *Vision Res*, 1981;21: 1005-1016.
2. Hamer R.D. and Schneck M.E. Spatial summation in dark-adapted human infants. *Vision Res*, 1983; 23: 77-85.
3. Schneck M.E., Hamer R.D., Packer O.P., and Teller D.Y. Area-threshold relations at controlled retinal locations in 1-month-olds. *Vision Res*, 1984; 24: 1753-1764.
4. Schneck M.E. Spatial summation at controlled retinal locations in one-month-old infants measured with a new fixation and flash technique. Ph.D. Dissertation, University of Washington, Seattle, 1984.

5. Varner D., Cook J.E., Schneck M.E., McDonald M.A., and Teller D.Y. Tritan discriminations by 1- and 2-month-old human infants. *Vision Res*, 1985; 5: 821-831.
6. Schneck M.E., Adams A.J., Volbrecht V.J. and Haegerstrom-Portnoy G. LWS cone effects on rod threshold and saturation in achromats with residual cone function. *Vision Res*, 1990; 30: 973-983.
7. Schneck M.E., Adams A.J., Volbrecht V.J and Linfoot J.L. Acute changes in blood glucose and their effects on color vision function in diabetics. In *Colour Vision Deficiencies XI: Proceedings of the Eleventh Symposium of the International Research Group on Colour Deficiencies*; B Drum(ed), Kluwer Academic Publishers, Dordrecht, Netherlands, 1993; 11: 165-174.
8. Schneck M.E., Adams A.J., Huie K., and Lee E. A simulator for color and spatial vision of the elderly eye. In *Colour Vision Deficiencies XI: Proceedings of the Eleventh Symposium of the International Research Group on Colour Deficiencies*; B Drum(ed), Kluwer Academic Publishers, Dordrecht, Netherlands, 1993; 11: 357-364.
9. Volbrecht V.J., Schneck M.E., Adams A.J., Linfoot J.A. and Ai E. Short-wavelength sensitivity: variation with induced blood glucose changes in diabetes. *Invest Ophthalmol Vis Sci*, 1994; 35: 1243-1246.
10. Crognale M.A., Switkes E., Rabin J., Schneck M.E., Haegerstrom-Portnoy G., and Adams A.J. Application of the spatio-chromatic visual evoked potential to detection of congenital and acquired color deficiencies. *J Opt Soc Am A*, 1993; 10: 1818-1825.
11. Rabin J., Switkes E., Crognale M., Schneck M.E., and Adams A.J. Visual evoked potentials in three-dimensional color space: correlates of spatio-chromatic processing, *Vision Res* 1994; 34: 2657-2672.
12. Haegerstrom-Portnoy G., Schneck M.E., Verdon W.A. and Hewlett S. Clinical vision characteristics of the congenital achromatopsias: I. Visual acuity, refractive error and binocular status. *Optom Vision Sci*.1996; 73: 446-456.
13. Haegerstrom-Portnoy G., Schneck M.E., Verdon W.A. and Hewlett S. Clinical vision characteristics of the congenital achromatopsias: II. Color vision. *Optom Vision Sci*. 1996; 73:457-465.
14. Haegerstrom-Portnoy G., Brabyn J., Schneck M.E. and Jampolsky A. The SKILL Card: A Test of Low Luminance, Low Contrast Acuity Under Ordinary Room Illumination. *Invest Ophthalmol Vis Sci*. 1997; 38(1):207-18.
15. Schneck M.E., Lee E., Fortune B. Switkes E. and Adams A.J. Spatio-chromatic VEP's in recovered optic neuritis and multiple sclerosis. In C.R. Cavonius (ed.) *Colour Vision Deficiencies, XIII*, 1997, Kluwer Academic Publishers, Dordrecht, 179-185.
16. Schneck M.E., Fortune B., Switkes E. Crognale M. and Adams A.J. Acute effects of blood glucose on chromatic VEP's in diabetic and normal individuals. *Invest. Ophthalmol. Vis. Sci.*, 1997;38: 800-810.
17. Schneck M.E. and Haegerstrom-Portnoy G. Color vision in the Optic Neuritis Treatment Trial. *Invest. Ophthalmol. Vis. Sci.*, 1997; 38(11):2278-2289.
18. Haegerstrom-Portnoy G, Schneck ME and Brabyn JA. Seeing into old age: Vision function beyond acuity. *Optom Vision Sci*, 1999; 76 (3): 141-158.

19. Fortune B, Schneck ME and Adams AJ. Delayed multi-focal electroretinograms reveal local retinal dysfunction in diabetic persons with and without retinopathy. *Invest Ophthalmol Vis Sci.* 1999; 40(11):2638-51.
20. Brabyn JA, Haegerstrom-Portnoy G, Schneck ME and Lott LA. Visual impairment in older people under everyday viewing conditions. *Journal of Visual Impairment and Blindness*, 2000; 94: 741-755.
21. Schneck ME, Fortune B and Adams AJ. The fast oscillation of the electrooculogram reveals sensitivity of the human outer retina/retinal pigment epithelium to glucose level, *Vision Research*, 2000; 40 (24): 3447 - 3453.
22. Schneck ME, Haegerstrom-Portnoy G, Lott LA and Brabyn JA. Ocular contributions to age-related loss in coarse stereopsis. *Optom Vision Sci*, 2000; 77 (10): 531-536.
23. Haegerstrom-Portnoy G, Schneck ME, Lott LA and Brabyn JA. The relation between visual acuity and other spatial vision measures. *Optometry and Vision Science*, 2000; 78 (12): 531-536.
24. Lott LA, Schneck ME, Haegerstrom-Portnoy G and Brabyn JA. Reading performance in older adults with good acuity. *Optometry and Vision Science*, 2001; 78 (5): 316-324.
25. West CG, Gildengorin G, Haegerstrom-Portnoy G, Schneck ME and Lott L. Is vision function related to physical functional ability in older adults? *J. Am. Geriatrics Soc*, in press.
26. Brabyn J, Schneck M, Haegerstrom-Portnoy G and Lott L. The Smith-Kettlewell Institute (SKI) longitudinal study of vision function and its impact among the elderly: an overview. *Optom Vision Sci.* 2001 May;78(5):264-9.
27. West CG, Gildengorin G, Haegerstrom-Portnoy G, Schneck ME and Lott L. Is vision function related to physical functional ability in older adults? *J. Am. Geriatrics Soc*, 2002, 50:136-145.
28. Haegerstrom-Portnoy G, Schneck ME, Brabyn JA and Lott L and Brabyn JA. Refractive error development into old age.. *Optometry and Vision Science*, 2002 October 79(10): 643-9.
29. Verdon W, Schneck ME, Haegerstrom-Portnoy G .A comparison of three techniques to estimate the human dark-adapted cone electroretinogram. *Vision Research*, 2003; 43(19):2089-99.
30. West CG, Gildengorin G, Haegerstrom-Portnoy G, Schneck ME, Lott L and Brabyn. Driving self-restriction and vision. *J. Am. Geriatrics Soc.* 2003 Oct;51(10):1348-55.
31. Han Y, Bearse MA, Schneck ME, Barez S, Jacobsen C, Adams AJ. Towards optimal filtering of "standard" multifocal electroretinogram (mfERG) responses: Findings in normals and diabetic patients. *B J Ophthalmol.* 2004:88 (4): 543-50.
32. Bearse MA, Han Y, Schneck ME, Adams AJ. Retinal function in control and diabetic eyes mapped with the slow flash multifocal electroretinogram. *Investigative Ophthalmology and Visual Science*, 2004; 45:296-304.
33. Han Y, Adams AJ, Bearse MA, Schneck ME. Multifocal electroretinogram (mfERG) and short wavelength automated perimetry (SWAP) measures in diabetic

- eyes with little or no retinopathy. *Archives of Ophthalmology*. 2004; 122(12): 1809-15.
34. Han Y, Bearse MA, Schneck ME, Barez S, et al. Multifocal electroretinogram (mfERG) delays identify sites of subsequent diabetic retinopathy. *Invest Ophthalmol Vis Sci.*, 2004; 45; 948-54.
 35. Schneck ME, Haegertstrom-Portnoy G, Lott LA and Brabyn JA. Low contrast vision function predicts subsequent acuity loss in an aged population: the SKI Study. *Vision Res*. 2004; 44(20): 2317-25.
 36. Schneck ME, Bearse MA, Han Y, Barez S, Jacobsen C, Adams AJ Comparison of mfERG waveform component implicit time measurement techniques for detecting functional change in early diabetic eye disease *Documenta Ophthalmologica* 2004; 108(3): 223-30..
 37. Bearse MA, Han Y, Schneck ME, Barez S, Jacobsen C, Adams AJ. Local multifocal oscillatory potential abnormalities in diabetes and early diabetic retinopathy. *Invest Ophthalmol Vis Sci*. 2004; 45(9): 3259-65.
 38. Han Y, Schneck ME, Bearse MA Jr, Barez S, Jacobsen CH, Jewell NP, Adams AJ. Formulation and evaluation of a predictive model to identify the sites of future diabetic retinopathy. *Invest Ophthalmol Vis Sci*. 2004; 45(11): 4106-12.
 39. Lott LA, Haegerstrom-Portnoy G, Schneck ME, Brabyn JA. Face recognition in the elderly. *Optometry and Vision Science* 2005; 82(10): 874-81.
 40. Brabyn JA, Schneck ME, Lott LA, Haegerstrom-Portnoy G. Night driving self-restriction: vision function and gender differences. *Optom Vis Sci*. 2005;82(8):755-64.
 41. Bearse MA Jr, Adams AJ, Han Y, Schneck ME, Ng J, Bronson-Castain K, Barez S. A multifocal electroretinogram model predicting the development of diabetic retinopathy. *Prog Retin Eye Res*. 2006; 25(5):425-48.
 42. Bronson-Castain KW, Bearse MA Jr, Han Y, Schneck ME, Barez S, Adams AJ. Association between multifocal ERG implicit time delays and adaptation in patients with diabetes. *Invest Ophthalmol Vis Sci*. 2007 Nov;48(11):5250-6.
 43. Brabyn JA, Schneck ME, Haegerstrom-Portnoy G and Lott LA. Dual sensory loss: overview of problems, visual assessment, and rehabilitation. *Trends Amplif*. 2007 Dec;11(4):219-26.
 44. Ng JS, Bearse MA Jr, Schneck ME, Barez S, Adams AJ. Local diabetic retinopathy prediction by multifocal ERG delays over 3 years. *Invest Ophthalmol Vis Sci*. 2008 Apr;49(4):1622-8.
 45. Schneck ME, Shupenko L, Adams AJ. The fast oscillation of the EOG in diabetes with and without mild retinopathy. *Doc Ophthalmol*. 2008 May;116(3):231-6.
 46. Bronson-Castain KW, Bearse MA Jr, Neuville J, Jonasdottir S, King-Hooper B, Barez S, Schneck ME, Adams AJ. Adolescents with Type 2 diabetes: early indications of focal retinal neuropathy, retinal thinning, and venular dilation. *Retina*. 2009 May;29(5):618-26.

47. Harrison WW, Bearse MA Jr, Ng JS, Barez S, Schneck ME, Adams AJ. Reproducibility of the mfERG between instruments. *Doc Ophthalmol*. 2009 Aug;119(1):67-78.
48. Neuville JM, Bronson-Castain K, Bearse MA Jr, Ng JS, Harrison WW, Schneck ME, Adams AJ. OCT reveals regional differences in macular thickness with age. *Optom Vis Sci*. 2009 Jul;86(7):E810-6.
49. Schneck ME, Haegerstöm-Portnoy G, Lott LA, Brabyn JA. Monocular vs. binocular measurement of spatial vision in elders. *Optom Vis Sci*. 2010 Aug;87(8):526-31.
50. Lott LA, Schneck ME, Haegerström-Portnoy G, Brabyn JA. Non-standard vision measures predict mortality in elders: the Smith-Kettlewell Institute (SKI) study. *Ophthalmic Epidemiol*. 2010 Aug;17(4):242-50.
51. Wolff BE, Bearse MA Jr, Schneck ME, Barez S, Adams AJ. Multifocal VEP (mfVEP) reveals abnormal neuronal delays in diabetes. *Doc Ophthalmol*. 2010 Dec;121(3):189-96.
52. Harrison W, Bearse MA, Ng J, Jewel N, Barez S, Burger D, Schneck ME, Adams A.J. Multifocal Electroretinograms Predict Onset of Diabetic Retinopathy in Adult Patients with Diabetes. *Invest Ophthalmol Vis Sci*. 2011 Feb 9;52(2):772-7.
53. Harrison WW, Bearse MA Jr, Schneck ME, Wolff BE, Jewell NP, Barez S, Mick AB, Dolan BJ, Adams AJ. Prediction, by retinal location, of the onset of diabetic edema in patients with nonproliferative diabetic retinopathy. *Invest Ophthalmol Vis Sci*. 2011 Aug 29;52(9):6825-31.
54. Bronson-Castain KW, Bearse MA Jr, Neuville J, Jonasdottir S, King-Hooper B, Barez S, Schneck ME, Adams AJ. Early neural and vascular changes in the adolescent type 1 and type 2 diabetic retina. *Retina*. 2012 Jan;32(1):92-102.
55. Schneck ME, Lott LA, Haegerstrom-Portnoy G, Brabyn JA. Association between hearing and vision impairments in older adults. *Ophthalmic Physiol Opt*. 2012 Jan;32(1):45-52.
56. Laron M, Bearse MA Jr, Bronson-Castain K, Jonasdottir S, King-Hooper B, Barez S, Schneck ME, Adams AJ. Interocular symmetry of abnormal multifocal electroretinograms in adolescents with diabetes and no retinopathy. *Invest Ophthalmol Vis Sci*. 2012 Jan 25;53(1):316-21.
57. Ozawa GY, Bearse MA Jr, Bronson-Castain KW, Harrison WW, Schneck ME, Barez S, Adams AJ. Neurodegenerative differences in the retinas of male and female patients with type 2 diabetes. *Invest Ophthalmol Vis Sci*. 2012 May 17;53(6):3040-6.
58. Dhamdhere KP, Bearse MA Jr, Harrison W, Barez S, Schneck ME, Adams AJ. Associations between local retinal thickness and function in early diabetes. *Invest Ophthalmol Vis Sci*. 2012 Sep 12;53(10):6122-8.
59. Laron M, Bearse MA Jr, Bronson-Castain K, Jonasdottir S, King-Hooper B, Barez S, Schneck ME, Adams AJ. Association between local neuroretinal function and control of adolescent type 1 diabetes. *Invest Ophthalmol Vis Sci*. 2012 Oct 9;53(11):7071-6.

60. Harrison WW, Chang A, Cardenas MG, Bearnse MA Jr, Schneck ME, Barez S, Adams AJ. Blood pressure, vessel caliber, and retinal thickness in diabetes. *Optom Vis Sci.* 2012 Dec;89(12):1715-20
61. Haegerstrom-Portnoy G, Schneck ME, Lott LA, Hewlett SE, Brabyn JA. Longitudinal increase in anisometropia in older adults. *Optom Vis Sci.* 2014 Jan;91(1):60-7.
62. Schneck ME, Haegerstrom-Portnoy G, Lott LA, Brabyn JA. Comparison of panel D-15 tests in an older population. *Optom Vis Sci.* 2014 Mar;91(3):284-90.
63. Ozawa GY, Bearnse MA Jr, Harrison WW, Bronson-Castain KW, Schneck ME, Barez S, Adams AJ. Differences in neural retinal function between adult males and females. *Optom Vis Sci.* 2014 Jun;91(6):602-7.
64. Dhamdhare KP, Schneck ME, Bearnse MA Jr, Lam W, Barez S, Adams AJ. Assessment of macular function using the SKILL Card in adults with type 2 diabetes. *Invest Ophthalmol Vis Sci.* 2014 May 13;55(6):3368-74.
65. Wolff BE, Bearnse MA Jr, Schneck ME, Dhamdhare K, Harrison WW, Barez S, Adams AJ. Color vision and neuroretinal function in diabetes. *Doc Ophthalmol.* 2014 Dec 17. [Epub ahead of print]

Book Chapters

1. Boothe R.G., Vassdal E., and Schneck M.E. "Experience and development in the visual system: Anatomical studies", In *Developmental Neuropsychobiology*, W.T. Greenough and J.M. Juraska, Eds., New York, Academic Press, 1986.
2. Schneck M.E. and Adams A.J. "Vision and Drugs", In *Environmental Vision: Interactions of the Eye, Vision, and the Environment* Pitts D.G. and Kleinstein R. (Eds), Butterworth Press, 1993.
3. Schneck ME, Haegerstrom-Portnoy G. Practical assessment of vision in the elderly. In *Assessing Visual Function in Clinical Practice*, Sample P, Girki CA (Eds), Ophthalmology Clinics of North America, 2003.
4. Schneck ME and Dagnelie G. "Prosthetic vision assessment" In *Vision Prosthetics: Physiology, Bioengineering, Rehabilitation*, Dagnelie G.(Ed.) . Springer, 2011.

Published Abstracts

1. Bobak P., Reichert B.G., Petry S.J. and Schneck M. A comparison of brightness and sensitivity changes with blurred and sharp- edge stimuli of varying durations. *Invest Ophthalmol Vis Sci* (suppl) 1979; 18: 249.
2. Schneck M.E., Packer O., and Teller D.Y. Spatial summation at controlled retinal locations in one-month-old infants. *Invest Ophthalmol Vis Sci* (suppl) 1982; 22: 123.
3. Eizenman M., Schneck M., and Skarf B. Optimum estimation of acuity using visual evoked potentials. *Invest Ophthalmol Vis Sci* (suppl) 1987; 28: 5.

4. Haegerstrom-Portnoy G., Friedman N., Adams A.J., Schneck M., and Hewlett S. Vision of rod monochromats. *Invest Ophthalmol Vis Sci* (suppl) 1988; 29: 144.
5. Haegerstrom-Portnoy G., Friedman N., Adams A.J., Schneck M., and Hewlett S. Vision function of rod monochromats. 1. Advanced clinical measures. *Topical Meeting on Noninvasive Assessment of the Visual System*, 1988; 10: 13-16
6. Schneck M.E. and Adams A.J. Changes in S-cone system sensitivity and ocular media absorption with age. *Invest Ophthalmol Vis Sci* (suppl) 1988; 29: 301.
7. Schneck M.E., Volbrecht V.J., and Adams A.J. Rod saturation on steady and flashed backgrounds in rod monochromats. *Invest Ophthalmol Vis Sci* (suppl) 1989; 30: 455.
8. Schneck M.E. and Howarth P.A. Dark adaptation and the pupil. *Topical Meeting on Noninvasive Assessment of the Visual System, Technical Digest*, 1989; 7: 118-121.
9. Rabin J., Adams A.J., Switkes G., Schneck M. and Huie K. Cortical potentials evoked by short wavelength patterned light. *Topical Meeting on Noninvasive Assessment of the Visual System, Technical Digest* 1990; 8: 200-203.
10. Schneck M.E., Adams A.J., Volbrecht V.J. and Haegerstrom-Portnoy G. Residual cone function in "rod monochromats" and the mechanisms of rod-cone interactions. *Topical Meeting on Noninvasive Assessment of the Visual System, Technical Digest*, 1990; 8: 204-207.
11. Huie K., Adams A.J., Schneck M.E., and Adams K. A simulator for vision of the elderly eye. *Invest Ophthalmol Vis Sci* (suppl) 1991; 32: 1275.
12. Tyler C.W., Lei L., and Schneck M.E. Temporal phase of the visual impulse response does not conform to the minimum phase constraint. *Invest Ophthalmol Vis Sci* (suppl) 1991; 32: 700.
13. Volbrecht V.J., Schneck M.E. and Adams A.J. Effects of blood glucose on diabetic short-wavelength sensitivity. *Invest Ophthalmol Vis Sci* (suppl) 1991; 32: 1283.
14. Schneck M.E., Adams A.J., and Volbrecht V.J. Immediate and significant changes in SWS sensitivity accompany variations in blood glucose in diabetic observers. *Topical Meeting on Noninvasive Assessment of the Visual System, Technical Digest*, 1991; 9: 384.
15. Schneck M.E., Haegerstrom-Portnoy G., Brabyn J. and Katz B. SKILL card: Hidden deficits in 'recovered' optic neuritis. *Invest Ophthalmol Vis Sci* (suppl) 1992; 33: 964.
16. Haegerstrom-Portnoy G., Schneck M.E., Fisher S. and Hewlett S. Achromats' saturating rods prohibit cone flicker detection *Invest Ophthalmol Vis Sci* (suppl) 1993; 34: 743.
17. Katz B., Beck R.W., Kupersmith M.J., Cleary P.A., Schneck M.E. and Haegerstrom-Portnoy G. Abnormalities of the fellow eye in acute unilateral optic neuritis. *Topical Meeting on Noninvasive Assessment of the Visual System, Technical Digest*, 1993; 11: 348-351.
18. Schneck M.E., Haegerstrom-Portnoy G., Brabyn J. and Katz B. Optic neuritis: small reductions in luminance cause large losses in visual function. *Topical Meeting on Noninvasive Assessment of the Visual System, Technical Digest*, 1993;11, 352-355.

19. Schneck M.E., Haegerstrom-Portnoy G. and Verdon W. Interactions between rods and long-wavelength cones in incomplete achromats. *Colour Deficiencies XII*, International Research Group on Color Vision Deficiencies, Tubingen, Germany, July, 1993.
20. Haegerstrom-Portnoy G., Verdon W., Schneck M.E. and Hewlett S. Consistent finding of transient tritanopia in blue cone monochromats. *Colour Deficiencies XII*, International Research Group on Color Vision Deficiencies, Tubingen, Germany, July, 1993.
21. Adams A.J., Haegerstrom-Portnoy G., Schneck M.E., Verdon W., Hewlett S. and Fisher S. Characteristics of a large sample of X-linked achromats. *Colour Deficiencies XII*, International Research Group on Color Vision Deficiencies, Tubingen, Germany, July, 1993.
22. Haegerstrom-Portnoy G., Verdon W., Schneck M.E. and Hewlett S. Transient tritanopia in X-linked achromats: A common finding. *Invest Ophthalmol Vis Sci* (suppl) 1994; 35:1754.
23. Schneck M.E., Haegerstrom-Portnoy G., Katz B. Brabyn J.A., Fusaro R., and Beck R.W. Color vision in optic neuritis: Findings in ONTT participants. *Invest Ophthalmol Vis Sci* (suppl) 1994;35: 1754.
24. Brabyn J.A., Haegerstrom-Portnoy G., Schneck M.E. and Hennessy. Attentional visual fields: age changes and relation to driving. *Invest Ophthalmol Vis Sci* (suppl) 1994; 35: 1951.
25. Schneck M.E., Haegerstrom-Portnoy G., Brabyn J. and Hennessy D. Predicting driving performance from vision tests: I. Preliminary findings for spatial vision in the California driving population. *Topical Meeting Vision Science and Its Applications Technical Digest*, 1994; 2: 206-209.
26. Brabyn J., Schneck M.E., Haegerstrom-Portnoy G., and Steinman B. Vision test performance and accident proneness in drivers over the age of 55. *Topical Meeting Vision Science and Its Applications Technical Digest*, 1994; 2: 210-213.
27. Haegerstrom-Portnoy G., Schneck M., Verdon W., Hewlett S. and Fisher S. The difficulties of classification of the congenital achromatopsias. *Topical Meeting Vision Science and Its Applications Technical Digest*, 1994; 2: 376-379.
28. Haegerstrom-Portnoy G., Khuu N. and Schneck M.E. Retinal distribution of cones in incomplete achromats. *Invest Ophthalmol Vis Sci* (suppl) 1995; 36: S660.
29. Brabyn J.A., Schneck M.E. and Haegerstrom-Portnoy G. Measured and self-reported visual function in the elderly. *Invest Ophthalmol Vis Sci* (suppl) 1995; 36: S671.
30. Schneck M.E. and Haegerstrom-Portnoy G. Color vision in optic neuritis treatment trial participants. *Colour Deficiencies XIII*, International Research Group on Color Vision Deficiencies, Pau, France, July, 1995.
31. Lee E., Fortune B., Schneck M.E. and Adams A.J. Spatio-chromatic VEP's in demyelinating disease: Preliminary findings. *Colour Deficiencies XIII*, International Research Group on Color Vision Deficiencies, Pau, France, July, 1995.
32. Brabyn J.A. Haegerstrom-Portnoy G. and Schneck M.E. Vision function in the 75-100 age group. *Invest Ophthalmol Vis Sci* (suppl) 1996; 37:S301.

33. Verdon W.A., Haegerstrom-Portnoy G. and Schneck M.E. The origin of the mildly reduced dark adapted ERG in congenital achromatopsia. *Invest Ophthalmol Vis Sci* (suppl) 1996; 37:S339.
34. Haegerstrom-Portnoy G., Orel-Bixler D., Schneck M.E. and Hewlett S.E. Refractive error in congenital achromatopsia. *Invest Ophthalmol Vis Sci* (suppl) 1996; 37:S730.
35. Schneck M.E., Fortune B., Crognale M. Switkes E., Lee E. and Adams A.J. Effect of blood glucose on chromatic and achromatic visually evoked potentials in Type I diabetics and normals. *Invest Ophthalmol Vis Sci* (suppl) 1996; 37:S976.
36. Baseler H.A., Schneck M.E. and Sutter E.E. Contribution of different receptor populations to multifocal ERG's. *Invest Ophthalmol Vis Sci* (suppl) 1996; 37:S1061.
37. Brabyn J., Schneck M., Haegerstrom-Portnoy G. Vision function of the oldest old. *Topical Meeting Vision Science and Its Applications Technical Digest*, 1996; 1: 14-17.
38. Schneck M., Fortune B., Crognale M., Switkes E. and Adams A.J. Influence of blood glucose on chromatic VEP's in Type I diabetes. *Topical Meeting Vision Science and Its Applications Technical Digest*, 1996; 1: 38-42.
39. Verdon W., Haegerstrom-Portnoy G. and Schneck M.E. Receptor and middle retina components of the ERG in achromatopsia. *Topical Meeting Vision Science and Its Applications Technical Digest*, 1996; 1: 100-103.
40. Schneck M, Haegerstrom-Portnoy G and Brabyn J. Visual acuity underestimates visual impairment in the elderly. *Invest Ophthalmol Visual Sci* (suppl) 1997; 38. S67.
41. Fortune B. and Schneck ME Effect of blood glucose on the components of the ERG. *Invest Ophthalmol Visual Sci* (suppl) 1997; 38:S316.
42. Adams AJ, Fortune B, Hong H and Schneck ME. Blood glucose effects on the fast oscillation of the EOG. *Invest Ophthalmol Visual Sci* (suppl) 1997; 38:S888.
43. Rad CN, Boren AB, Fortune B, Schneck ME and Severin T. Selective S-cone system loss in glaucoma and glaucoma suspects measured with isoluminant VEP's. *Invest Ophthalmol Visual Sci* (suppl) 1997; 38:S573.
44. Verdon WA, Schneck ME, Vingrys AJ. and Haegerstrom-Portnoy G. Oscillatory potentials in the ERG of rod monochromats. *Invest Ophthalmol Visual Sci* (suppl) 1997; 38. S879.
45. Brabyn JA, Schneck M, Haegerstrom-Portnoy G, West C and Oman D. Vision and general health and functioning in the elderly. *Invest Ophthalmol Visual Sci* (suppl) 1997; 38. S840.
46. Verdon WA, Schneck ME and Haegerstrom-Portnoy G. The dark-adapted human cone ERG. *Invest Ophthalmol Visual Sci* (suppl) 1998; 39. S975.
47. Schneck ME, Haegerstrom-Portnoy G, Brabyn JA and Katz B. The SKILL Card in the Optic Neuritis Treatment Trial. *Topical Meeting Vision Science and Its Applications Technical Digest*, 1997; 1: 200-203.
48. Fortune B, Schneck ME, Hong H and Adams AJ. Variation in retinal pigment epithelial function with blood glucose as measured with the fast oscillation of the electro-oculogram. *Topical Meeting Vision Science and Its Applications Technical Digest*, 1997; 1:250-253.

49. Haegerstrom-Portnoy G and Schneck ME and Brabyn JA. Aging and spatial vision: One curve fits all. *Invest Ophthalmol Visual Sci (suppl)* 1998; 39: S1092.
50. Schneck M.E., Fortune B. & Adams A.J., Blood glucose effects on the dark adapted retina. *Topical Meeting of Vision Science and Its Applications, (OSA)*, 1998; 1:28-31.
51. Schneck ME, Fortune B and Adams AJ. Alterations in rod- and cone-mediated human retinal responses following glucose ingestion. *Invest Ophthalmol Visual Sci (suppl)* 1999; 40:S713.
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Invited Talks

1. Metabolic influences on color vision in diabetes. Presented at the 4th Annual Diabetes Symposium, Providence Hospital, Oakland, CA, March, 1992.
2. Age changes in vision. Presented at the Buck Center for Research in Aging, Novato, CA, September, 1992.
3. Vision and driving: Results of two large-scale studies in California. Presented at the Annual Meeting of the Transportation Research Board, Washington, D.C., January, 1995.
4. Findings of a population-based study of vision of the aged in Marin County, California. Presented at 'Conference on Aging Retina and Early Degeneration', Schepens Eye Research Institute, Harvard University, November, 1999.

5. Effects of diabetes on the retina and on vision. Allergan Pharmaceuticals, Irvine, CA, November, 2002.