



Deborah Zelinsky, O.D., F.N.O.R.A., F.C.O.V.D.
 Optometry: Bridging the Gap between Neuroscience and Eye Care
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Curriculum Vitae

Education	1977 – 1981	University of Illinois Major – Statistics	Champaign, IL
	1981 – 1983	Illinois College of Optometry Bachelor of Science in Visual Science (B.S.V.S.)	Chicago, IL
	1981 – 1985	Illinois College of Optometry Doctorate in Optometry (O.D.)	Chicago, IL
Professional Experience	1984 – 1984	Minneapolis Society for the Blind Low Vision Externship	Minneapolis, MN
	1985 – 1987	Ft. Lauderdale Eye Institute Staff Optometrist	Ft. Lauderdale, FL
	1988 – 1989	Sunrise Rehabilitation Institute Consultant for Brain Injured Patients	Sunrise, FL
	1986 – 1989	Eye Contact, Private Practice Emphasis on Optometric Rehabilitation for Brain Development	Coral Springs, FL
	1988 – 1991	Schwartzman-Steinberg Low Vision Clinic Director of Macular Degeneration Clinic	Ft. Lauderdale, FL
	1992 – present	The Mind-Eye Connection Emphasis on the Diagnosis, Treatment and Rehabilitation of Patients with: - Traumatic Brain Injury - Autism and Developmental Delay - Processing, Learning and Memory Difficulties	Northbrook, IL
	2001 – present	Consultant as Expert Witness in Optometric Litigation	Chicago, IL
	2012 – present	Clinical Associate Professor at Western University of Health Sciences Pomona, CA	
	2015	Featured in a Book “The Ghost in My Brain: How a Concussion Stole my Life and How the New Science of Brain Plasticity Helped Me Get It Back, by Clark Elliott. Viking Publishers 2015, ISBN 9780525426561	
	2016	Mentioned in New York Times Best Seller “The Brain’s Way of Healing” by Norman Doidge, Viking-Penguin Publishers 2015, ISBN-13: 978-0143128373	
2019	Discussed on pg. 381 in 2 nd Edition of “Outsmarting Autism” by Patricia Lemer, 2019		
Languages	English (Primary) French (Fluent) Greek (Conversational) Spanish (Minimal)		

**RECENT
PRESENTATIONS
Brain
Function,
Neurology,
Cardiology,
Ophthalmology
Neuro-Optometry**

- Influencing Mental Health Through an Overlooked Mind-Eye Connection Buenos Aires, Argentina
- Neuroplasticity of Visual Processing Madrid and Barcelona, Spain
- North Carolina's Family Physician's Weekend, – Neuro-Optometry and Concussions Asheville, NC
- 93rd Annual American Congress of Rehabilitative Medicine (ACRM)
The Neurological Effect of Lenses and Puzzles on Brain Plasticity Chicago, IL
- 12th Annual Congress for Brain Mapping and Therapeutics , Chairperson
Ocular Measurements as Novel Diagnostic and Therapeutic Tools in Brain Function Los Angeles, CA
- Lutheran General Hospital Rehabilitation Department See with Your Ears Park Ridge, IL
- World Congress on NeuroTherapeutics: Dilemmas, Debates & Discussions (DDDn) Basel, Switzerland
- Behavioral Optometry Academy Foundation
The Importance of Having a Solid Mind-Eye Connection Maintz, Germany
- Cedars-Sinai Medical Center
Retinal Stimulation as a means of neuromodulation West Hollywood, CA
- 2nd International Conference on Neurology and Therapeutics
Non-invasive assessment and treatment of autonomic function Chicago, IL
- 10th Annual Congress for Brain Mapping & Image Guided Therapy
Unexpected effects of selective retinal stimulation on metabolism Baltimore, MD
- 3rd International Conference on Clinical and Experimental Ophthalmology
The effect of retinal stimulation on internal visualization systems Chicago, IL
- 1st International Symposium on Deep Brain Connectomics
Effects on deep brain circuitry by modulation of retinal signals Clermont-Ferrand, France
- 9th Annual World Congress for Brain Mapping & Image Guided Therapy
Non-invasive assessment and treatment of autonomic function Toronto, CAN
- 1st International Conference on Clinical Research in Cardiology
Overlooked effects of ambient lighting on cardiovascular disease San Francisco, CA
- 1st International Conference on Clinical Research in Ophthalmology
Clinical applications of interactions among the cornea, muscles and retina San Francisco, CA
- 6th International Congress of Behavioral Optometry
A Novel Contribution to the Optometric Rehabilitation of Amblyopia Pomona, CA
- Society for Applied Neuroscience
Clinical Applications of the Neurological Aspects of Lenses Seville, Spain
- Illinois Brain Injury Foundation
The Mind-Eye Connection: How TBI affects Daily Function Chicago, IL
- International Neuro-Optometric Rehabilitation Association
Testing of the Ignored Retino-Collicular Pathway Long Beach, CA
- International Occupational Therapy Convention
Occupational Therapy and Neuro-Optometry Together Athens, Greece
- French Optometry Students – Guest Lecturer
Beyond Traditional Vision Care Paris, France
- International Congress of Optometry Melbourne, Australia
- Optometry: the Juggling of Sensory and Motor Systems
Sutton Invitational Symposium The Z-Bell Test Auditory and Visual Linkages Skive, Denmark

Deborah Zelinsky,
Autistic
Spectrum
and
Learning
Problems

O.D., F.N.O.R.A., F.C.O.V.D.

Curriculum Vitae (cont.)

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- Autism One
Awareness and Attention: How To Use Visual Clues In Autism
Park Ridge, IL
- U.S. Autism and Asperger Association
The Mind-Eye Connection: Your Child's Window to the World
Park City, UT
- Kids on the Move
Teaching Professionals about Brain Development
Orem, UT
- Lutheran General Hospital
Effects of Attention Deficit Disorder in Everyday Life
Park Ridge, IL
- Grayslake High School -- Visualization and Reading
Grayslake, IL
- The Breakers Retirement Community
Learning to Live with Macular Degeneration
Chicago, IL
- Idaho Commission for the Blind and Visually Impaired
Neuro- Optometry's Role in Visual Rehabilitation
Boise, ID
- Blind Service Association of Chicago
Enhancing Peripheral Vision with Macular Degeneration
Chicago, IL
- Discovery Low Vision Conference
A New Way of Seeing with Macular Degeneration
Chicago, IL

Low
Vision

AWARDS

2013 Founding Fathers Award from the Neuro-Optometric Rehabilitation Association

PUBLICATIONS

- 2002 Open Your Eyes and Listen Carrington Press, Inc.
Book for Parents and Teachers explaining how
the eyes are connected to more than eyesight
- 2004 An Insight to Vision Carrington Press, Inc.
Text and medical illustrations encompassing how new
neuroscience research affects visual pathways
- 2004 Abre los Ojos y Escuche (Spanish translation) Carrington Press, Inc.
- 2007 Zelinsky, D. Neuro-Optometric Diagnosis, Treatment and Rehabilitation following Traumatic Brain Injuries. Elsevier
Physical Medicine and Rehabilitation Clinics of North America,
February 2007, Vol. 18:1, p 87-107
- 2008 Diagnostic neuron-optometrique prise en charge et readaptation Optometric
après les traumatismes crâniens, Society, France
La Revue D'Optometrie, No. 25, Avril 2008, ISSN 1632-806X
- 2010 Brain Injury Rehabilitation: Cortical and Subcortical Interfacing Elsevier
via Retinal Pathways. PM & R, September 2010, Vol 2 (9) p. 852-857
- 2012 fMRI Analysis of Three Concurrent Processing Pathways, In Tech
Functional Magnetic Resonance Imaging - Advanced Neuroimaging Applications,
Rakesh Sharma (Ed.), May, 2012, ISBN: 978-953-51-0541-1
[http://www.intechopen.com/books/functional-magnetic-resonance-
imaging-advanced-neuroimaging-applications/fmri-analysis-of-three-concurrent-
processing-pathways](http://www.intechopen.com/books/functional-magnetic-resonance-imaging-advanced-neuroimaging-applications/fmri-analysis-of-three-concurrent-processing-pathways)
- 2014 Auditory/Visual Integration Assessment & Treatment in Brain Injury Rehabilitation
Traumatic Brain Injury, Dr.Farid Sadaka (Editor), ISBN: 978-953-51-1222-8,
Available from [http://www.intechopen.com/books/traumatic-
brain-injury/auditory-
visual-integration-assessment-and-treatment-in-brain-injury-rehabilitation](http://www.intechopen.com/books/traumatic-brain-injury/auditory-visual-integration-assessment-and-treatment-in-brain-injury-rehabilitation)
- 2017 Neuromodulation via Retinal Stimulation, Textbook of Advanced
Neurophotonics and Brain Mapping Drs.Yu Chen and Babak Kateb (Editors),
Available from: <http://www.taylorandfrancis.com/books/details/9781482236859/>
- 2017 The Emerging Field of Neuro-Optometry Provides a Synergistic Effect with
Ophthalmology Remed Open Access. 2017; 2: 1075
http://remedyoa.com/pdfs_folder/roa-v2-id1075.pdf

RESEARCH Learning Difficulties	2005 U.S. Navy Optometry Research Project led by Dr. Chidi Kena and Dr. Suzanne Krause regarding scotopic sensitivity in Naval recruits 2005 – present The Effects of Retinal Stimulation on Auditory Localization
PROFESSIONAL MEMBERSHIPS	Life Member of MENSA 1985 – present Member of Optometric Extension Program (O.E.P.) 1989 – present (Fellowship in 2010) Charter Member of the Neuro-Optometric Rehabilitation Association (N.O.R.A) 2008 – present Community Leader for the Society for Neuroscience (SFN) NeurOnline 2009 – present Member of the American Association for the Advancement of Science (AAAS) 2011 – reinstated as a Fellow Member of the College of Optometrists in Vision Development (F.C.O.V.D.) Originally earned in 1989. 2013 – present Member of the American Optometric Association
PROFESSIONAL ACTIVITIES	American Institute of Biological Sciences Scientific Peer Advisory and Review Services for the Department of Defense Congressionally Directed Medical Research and Development Programs
Grant Reviewer Traumatic Brain Injury	2007 Clinical Management Panel Peer Review of the Investigator Initiated and New Investigator Proposals for the Extramural Traumatic Brain Injury Research Program 2008 Clinical Treatment and Rehabilitation Panel Peer Review of the Multidisciplinary Research Consortium Proposals for the Extramural Traumatic Brain Injury Research Program 2009 Blast Peer Review Panel for the Defense Medical Research Program's Intramural Applied Research and Advanced Technology Development 2014 Screening tools for mild Traumatic Brain Injury
Grant Reviewer Eye and Vision Research	2008 Eye and Vision Research Grant Proposals for Dept. of Defense's Congressionally Directed Medical Research Program's Fiscal Year 2008 2016 Vision Research Grant Proposals for Dept. of Defense's Congressionally Directed Medical Research Program's Fiscal Year 2016 2017 Vision Research Program - Cell-Based Therapies for Department of Defense's Congressionally Directed Medical Research Program Fiscal Year 2017
Editorial Reviewer	2010 – present Elsevier's Physical Medicine and Rehabilitation Journal 2014 – present JoVE (Journal of Visualized Experiments) Peer Reviewed Scientific Video Journal 2016 – present Remedy Open Access Ophthalmology Journal
Scientific Advisory Committee	2004 – present Scientific Learning Corporation
Teaching and Certification	2011 Exploration of sensory-motor interactions program to the Society of European Optometrists in Brussels, Belgium 2012 Exploration of patient-environment interactions program to optometrists, occupational and physical therapists in Northbrook, Illinois 2013 Exploration of visual/auditory integration program to optometrists in Mainz, Germany 2014 ImPACT certification for concussions 2014 The Importance of Visual/Auditory Interactions in Patients - program in Vienna, Austria 2015 Exploration of changes in retinal biochemistry in concussions in Northbrook, IL 2017 An Insight to Vision—beginning of certification process for Z-Bell Testing in Northbrook, IL 2017 Neuroplasticity of Visual Processing scheduled in Montreal, Canada 2019 The Overlooked Effect of Retinal Stimulation on Cardiovascular Health in Amsterdam
PATENTS	2008 U.S. Patent No. #7,427,136 issued on the Z-Bell Test Method for diagnosis and treatment of processing difficulties and integration problems imbalances & abnormal postures 2009 U.S. Patent #7,607,777 issued on alteration of corneal tear film 2011 U.S. Patent # 8,083,351 issued on alteration of body hormones through corneal tear film 2015 United States Patent No. # 9,155,489 issued on retinal tolerance device

