



Deborah Zelinsky, O.D., F.N.O.R.A., F.C.O.V.D.  
 Optometry: Bridging the Gap between Neuroscience and Eye Care  
 1414 Techny Road Northbrook, IL 60062  
 Phone: (847) 501-2020 Fax: (847) 501-2021

**Website:** [www.mindeyeconnection.com](http://www.mindeyeconnection.com)  
**Email:** [mindeyeconnection@msn.com](mailto:mindeyeconnection@msn.com)

## Curriculum Vitae

<b>Education</b>	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
<b>Professional Experience</b>	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 - Autistic Populations - Learning Problems - Infant 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	

## Languages

English (Primary)  
 French (Fluent)  
 Greek (Conversational)  
 Spanish (Minimal)

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

- 12<sup>th</sup> 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
- 2<sup>nd</sup> International Conference on Neurology and Therapeutics  
Non-invasive assessment and treatment of autonomic function  
using retinal circuitry Chicago, IL
- 10<sup>th</sup> Annual Congress for Brain Mapping & Image Guided Therapy  
Unexpected effects of selective retinal stimulation on metabolism  
and quality of life after brain injury Baltimore, MD
- 3<sup>rd</sup> 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 Clermont-Ferrand, France  
Effects on deep brain circuitry by modulation of retinal signals
- 9<sup>th</sup> Annual World Congress for Brain Mapping & Image Guided Therapy Toronto, CAN  
Non-invasive assessment and treatment of autonomic function  
using retinal circuitr
- 1st International Conference on Clinical Research in Cardiology San Francisco, CA  
Overlooked effects of ambient lighting on metabolism and  
cardiovascular disease
- 1st International Conference on Clinical Research in Ophthalmology San Francisco, CA  
Clinical applications of interactions among the cornea, extraocular  
muscles and retina
- 6<sup>th</sup> International Congress of Behavioral Optometry Pomona, CA  
A Novel Contribution to the Optometric Rehabilitation of Amblyopia
- 6<sup>th</sup> World Congress for Brain Mapping and Image Guided Therapy Boston, MA  
Usage of the Patented Z-Bell Test for Diagnosis of Brain function
- Society for Applied Neuroscience Seville, Spain  
Clinical Applications of the Neurological Aspects of Lenses
- Illinois Brain Injury Foundation Chicago, IL  
The Mind-Eye Connection: How TBI affects Daily Function
- International Neuro-Optometric Rehabilitation Association Long Beach, CA  
Testing of the Ignored Retino-Collicular Pathway
- International Occupational Therapy Convention Athens, Greece  
Occupational Therapy and Neuro-Optometry Together
- French Optometry Students – Guest Lecturer Paris, France  
Beyond Traditional Vision Care
- International Congress of Optometry Melbourne, Australia  
Optometry: the Juggling of Sensory and Motor Systems
- Sutton Invitational Symposium Skive, Denmark  
The Z-Bell Test: Unconscious Auditory and Visual Linkages
- Gentiva Rehab Without Walls Oak Park, IL

Deborah Zelinsky,  
Autistic  
Spectrum  
and  
Learning  
Problems

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

Curriculum Vitae (cont.)

Page 3 of 4

- 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  
Available from: <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>
- 2016 (in process) Neuromodulation via Retinal Stimulation, Textbook of Advanced Neurophotonics and Brain Mapping Drs.Yu Chen and Babak Kateb (Editors), ISBN: 978-148-22-3685-9 8, due out by September, 2016.  
Available from: <http://www.taylorandfrancis.com/books/details/9781482236859/>

<b>RESEARCH Learning Difficulties</b>	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
<b>PROFESSIONAL MEMBERSHIPS</b>	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 Neuro-Champion Committee for the Society for Neuroscience (SFN) 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
<b>PROFESSIONAL ACTIVITIES</b>	American Institute of Biological Sciences Scientific Peer Advisory and Review Services for the Department of Defense Congressionally Directed Medical Research and Development Programs
<b>Grant Reviewer Traumatic Brain Injury</b>	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
<b>Grant Reviewer Eye and Vision Research</b>	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
<b>Editorial Reviewer</b>	2010 – present Elsevier's Physical Medicine and Rehabilitation Journal 2014 – present JoVE (Journal of Visualized Experiments) Peer Reviewed Scientific Video Journal
<b>Scientific Advisory Committee</b>	2004 – present Scientific Learning Corporation
<b>Teaching and Certification</b>	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 2016 An Insight to Vision—beginning of certification process for Z-Bell Testing in Northbrook, IL
<b>PATENTS</b>	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