

**CURRICULUM VITAE
WENDY SHIH-WEN CHEN**

BUSINESS ADDRESS

Lifespan Physician Group
Department of Ophthalmology
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EDUCATION

Undergraduate	Washington University in St. Louis, Biology BA 1995-99, Magna cum laude
Medical School	Warren Alpert Medical School, Brown University MD, PhD 1999-2008, Neuroscience

POSTGRADUATE TRAINING

Internship	University of Pittsburgh Medical Center 200 Lothrop Street, Pittsburgh, PA 15213 Internal Medicine, 2008-09
Residency	University of Pittsburgh Medical Center 200 Lothrop Street, Pittsburgh, PA 15213 Ophthalmology, 2009-12
Fellowship	Children's Hospital of Philadelphia 34 th Street and Civic Center Blvd, Philadelphia, PA 19104 Pediatric Ophthalmology, 2012-13

POSTGRADUATE HONORS AND AWARDS

n/a

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Rhode Island Medical License 2013
Pennsylvania Medical License 2008-2012
American Board of Ophthalmology 2013

ACADEMIC APPOINTMENTS

Clinical Instructor
Warren Alpert Medical School, Brown University
August 2013 - present

HOSPITAL APPOINTMENTS

Section Chief, Pediatric Ophthalmology
Rhode Island Hospital / Hasbro Children's Hospital
August 2013 – present

Staff Ophthalmologist
Women and Infants Hospital
October 2013 - present

OTHER APPOINTMENTS

Staff Ophthalmologist for Craniofacial Team
Hasbro Children's Hospital
August 2013 - present

HOSPITAL COMMITTEES

1. Guerilla Eye Service
University of Pittsburgh Medical Center, 2009 – 12
2. Conversion of Ophthalmology Consult Service to an eRecord System (Committee Chair)
University of Pittsburgh Medical Center, 2010 – 11

3. Honduras Medical Mission for Ophthalmology
University of Pittsburgh Medical Center, 2012
4. Epic Inpatient MD Documentation Team
Rhode Island Hospital, 2013 – present
5. Epic Outpatient MD Documentation Team
Rhode Island Hospital, 2013 – present

UNIVERSITY COMMITTEES

1. Peer Advisor
Washington University in St. Louis, 1996 – 97
2. Rhode Island Free Clinic, Student Secretary
Brown University, 1999 – 2001
3. Community Health Advocacy Program, Volunteer
Brown University, 1999 – 2001
4. MD-PhD Admissions Committee
Brown University, 2001 – 02
5. Alpert Medical School, Alumni Advisor for Applicants in Ophthalmology
Brown University, 2008 – present
6. Brown Alumni Association, Alumni Interviewing Program
Brown University, 2010 – present
7. Brown Medicine Magazine, Editorial Board
Brown University, 2014 – present

MEMBERSHIP IN SOCIETIES

1. Sigma Xi Scientific Research Society, Washington University Chapter, Member,
1999
2. American Medical Student Association (AMSA), Member, 1999 – 01
3. American Medical Association (AMA), Member, 1999 – 01
4. Society for Neuroscience (SFN), Member, 2002 – 08

5. American Association for the Advancement of Science (AAAS), Member, 2006 – 08
6. Pittsburgh Ophthalmology Society (POS), Member, 2009 – 12
7. Association for Research in Vision and Ophthalmology (ARVO), Member, 2011 – 12
8. American Academy of Ophthalmology (AAO), Member, 2009 – present
9. American Association for Pediatric Ophthalmology and Strabismus (AAPOS), Member, 2012 – present
 - a. Co-Chair, Young Ophthalmologist Committee for Medical Education

PUBLICATIONS

Original Publications in Peer-Reviewed Journals

1. **Chen WS**, Luker KE, Dahlheimer JL, Pica CM, Luker GD, Piwnica-Worms D (2000). Effects of MDR1 and MDR3 P-glycoproteins, MRP1, and BCRP/MXR/ABCP on the Transport of 99mTc-Tetrofosmin. *Biochemical Pharmacology* 60: 413-426.
2. Snyder EM, Colledge M, Crozier RA, **Chen WS**, Scott JD, Bear MF (2005). Role for A Kinase-Anchoring Proteins (AKAPs) in Glutamate Receptor Trafficking and Long-Term Synaptic Depression. *Journal of Biological Chemistry* 280(17): 16962-8.
3. **Chen WS**, Bear MF (2007). Activity-dependent regulation of NR2B translation contributes to metaplasticity in mouse visual cortex. *Neuropharmacology* 52(1):200-14.
4. Lee S, Kim W, Ham BJ, **Chen W**, Bear MF, Yoon BJ (2008). Activity-dependent NR2B expression is mediated by MeCP2-dependent epigenetic regulation. *Biochemical and Biophysical Research Communications* 377(3):930-4.
5. **Chen WS**, Binenbaum G, Karp K, Baumritter A, Pearson D, Maguire A, Quinn GE (2014). Late Recurrence of Retinopathy of Prematurity after Treatment with both Intravitreal Bevacizumab and Laser. *Journal of the American Association for Pediatric Ophthalmology and Strabismus*, in press.

Publications Submitted or in Preparation

1. **Chen WS**, Fu V, Wang L, Nau A (2013). Training on the BrainPort™ Vision Device Reactivates Visual Cortex in a Subset of Blind Individuals. *Investigative Ophthalmology and Vision Science*, submitted.
2. You JY, Massingham L, Shah B, **Chen WS** (2014). Unilateral Peters Anomaly Associated with Congenital Glaucoma, Eyelid Malformation, and Choanal Atresia. *Journal of the American Association for Pediatric Ophthalmology and Strabismus*, in preparation.
3. Iyengar R, Klinge P, **Chen WS**, Taylor H, Sullivan S. (2014). Late Diagnosis of Pan-Suture Craniosynostosis. *Cleft Palate and Craniofacial Journal*, in preparation.

ABSTRACTS

1. **Chen WS**, Luker KE, Luker GD, Crankshaw CL, Piwnica-Worms D. (1997). Characterization of 99mTc-Tetrofosmin as a Transport Substrate of MDR1 P-glycoprotein. Howard Hughes Summer Research Fellowship Symposium, Washington University in St. Louis, St. Louis, MO.
2. **Chen WS**, Luker KE, Dahlheimer JL, Pica CM, Luker GD, Piwnica-Worms D. (1998). Effects of MDR1 and MDR3 P-glycoproteins on the Transport of 99mTc-Tetrofosmin. Mallinckrodt Institute of Radiology Summer Research Fellowship Symposium, Washington University in St. Louis, St. Louis, MO.
3. **Chen WS**, Thompson NL (1999). Characterization of TuAg.1 Expression in COS cells. MD-PhD Summer Retreat, Brown University, Providence, RI.
4. **Chen WS**, Yoon BJ, Bear MF (2004). Role of Protein Synthesis in the Regulation of NMDA Receptor Subunit Composition. Society for Neuroscience Abstracts, 156.12, San Diego, CA.
5. **Chen WS**, Christian J, Gaitanis JN (2009). Referral Patterns for and Evaluation of Children with Sensory Integration Dysfunction in a Rhode Island Community. Child Neurology Meeting, Providence, RI.
6. **Chen WS**, Friberg TR, Eller AW, Medina C (2011). Advances in Retinal Imaging of Eyes with Hazy Media: Further Studies. Association for Research in Vision and Ophthalmology, Session 143, Poster A174, Ft. Lauderdale, FL.
7. Galdys A, **Chen WS**, Zimmer S. (2012). Case #12011: A woman with retro-orbital pain and "floaters" in the left eye. Infectious Diseases Society of America, Annual Meeting, San Diego, CA.

8. **Chen WS**, Mitchell E, Stefko ST, Will JY (2013). Occult Pancraniosynostosis Masquerading as Idiopathic Intracranial Hypertension in a Normocephalic Patient during Late Childhood. North American Neuro-Ophthalmology Society, Annual Meeting, Snowbird, UT.
9. **Chen WS**, Forbes B, Ying GS, Huang J, Binenbaum G. (2013). Natural History of Retinal Hemorrhage in Children with Abusive or Accidental Head Trauma. American Association for Pediatric Ophthalmology and Strabismus, Annual Meeting, Boston, MA.

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

1. **Chen WS, contributing author** (2007). In Le T, Waples-Trefil F, and Kumar M, eds. First Aid for the USMLE Step 1 Flashcards. Published by MediQ Learning, LLC.

INVITED PRESENTATIONS

1. CRAO and Treatment with Locally Administered TPA
Ophthalmology Grand Rounds
University of Pittsburgh Medical Center
January 2010
2. Tuberculoma of the Retina Mimicking Outer Layer Retinal Toxoplasmosis
Ophthalmology Grand Rounds
University of Pittsburgh Medical Center
May 2010
3. Disciform Lupus and Squamous Cell Carcinoma of the Eyelid
Pittsburgh Ophthalmology Society Meeting
January 2011
4. Use of Botulinum Toxin in Infantile Esotropia
Innovations in Strabismus Diagnosis and Treatment: CHOP Annual Update on Pediatric Ophthalmology and Strabismus, Children's Hospital of Philadelphia
October 2012
5. Tips and Tricks for Red Reflex Testing
Ophthalmology Grand Rounds
Rhode Island Hospital
September 2013
6. Vision 101 for the Busy Pediatrician
Department of Pediatrics Grand Rounds

Hasbro Childrens Hospital
November 2013

7. Craniofacial Syndromes – What do the Eyes Have to Do With It?!
Department of Plastic Surgery, Craniofacial Grand Rounds
Rhode Island Hospital
December 2013
8. Craniosynostosis – Extorting Out the Alphabet Soup of IO’s, SO’s, and V’s
Ophthalmology Grand Rounds
Rhode Island Hospital
December 2013
9. Congenital Ocular Anomalies
Perinatal Management Conference
Women and Infants Hospital
February 2014
10. Vision 101 for the Busy Pediatrician: Tips and Tricks for Effective Outpatient Evaluation
Colby Course, 40th Annual Problems in Pediatrics
Waterville, Maine
July 2014
11. A Case-Based Approach to Red Eyes: More than Just the “Itchy Burnies”
Colby Course, 40th Annual Problems in Pediatrics
Waterville, Maine
July 2014
12. Update on Retinopathy of Prematurity
Perinatal Management Conference
Women and Infants Hospital
November 2014

GRANTS

1. Characterization of 99mTc-Tetrofosmin as a Transport Substrate of MDR1 P-glycoprotein
Role: Research Assistant
Principal Investigator: David Piwnica-Worms, MD PhD (Washington U.)
Funding: Howard Hughes Biophysics Summer Research Fellowship
Dates: May – August 1997
2. Effects of MDR1 and MDR3 P-glycoproteins on the Transport of 99mTc-Tetrofosmin
Role: Research Assistant

Principal Investigator: David Piwnica-Worms, MD PhD (Washington U.)
Funding: Mallinckrodt Institute of Radiology Summer Research Fellowship
Dates: May – August 1998

3. Referral Patterns For and Evaluation of Children with Sensory Integration Dysfunction in a Rhode Island Community
Role: Principal Investigator
Co-investigator: John Gaitanis, MD (Children’s Neurodevelopment Center, RI)
Funding: n/a
Dates: 2007 – 09
4. Effect of Synaptic Activity on NMDAR Subunit Composition in the Visual Cortex
Role: Graduate Student
Principal Investigator: Mark F. Bear, PhD (Brown U. and MIT)
Funding: HHMI, NEI, NIH
Dates: 2001 – 2006
5. Training on the BrainPort™ Vision Device Reactivates Visual Cortex in a Subset of Blind Individuals
Role: Research Assistant
Principal Investigator: Amy Nau, OD (University of Pittsburgh Medical Center)
Co-Investigator: Valeria Fu, PhD (University of Pittsburgh Medical Center)
Funding: NIH, NEI
Dates: 2009 – 12
6. An Ocular Safety Study of Ivacaftor-Treated Pediatric Patients 11 Years of Age or Younger With Cystic Fibrosis
Role: Co-Investigator
Principal Investigator: Karen Daigle, MD (Hasbro Children’s Hospital, RI)
Funding: Vertex Pharmaceuticals, Inc.
Dates: 2014 – present
7. Postnatal Growth and Retinopathy of Prematurity Model Development Study (G-ROP)
Role: Co-Investigator
Principal Investigator: Gil Binenbaum, MD MPH (Children’s Hospital of Philadelphia)
Funding: NEI, NIH
Dates: 2014 – present

UNIVERSITY TEACHING ROLE

1. So You Think You Want to Be a Doctor: Mind and Brain
Teaching Assistant, Summer Pre-College Course
Brown University, Summer 2000

2. Introduction to Human Physiology
Teaching Assistant, Undergraduate Course
Brown University, Spring 2001
3. Experimental Neurobiology
Teaching Assistant, Undergraduate Course
Brown University, Spring 2003
4. Research Independent Study
Cloning NR2A NMDAR subunit into a GFP-tagged expression vector
Mentor, Summer Pre-College Independent Study
Massachusetts Institute of Technology, Summer 2004
5. Research Independent Study
Factors Associated with Nonadherence for Follow-up Ophthalmologic Care for
Infants Diagnosed with Retinopathy of Prematurity
Mentor, MPH Thesis Project
Brown University, Fall 2013 – present

HOSPITAL TEACHING ROLES

1. Ophthalmology Skills Session
Teaching Assistant, Medical School Course
Wills Eye Institute, Jefferson Medical School, Summer 2007
2. Review of the Optic Neuritis Treatment Trial
Ophthalmology Residents Lecture Series
University of Pittsburgh Medical Center, 2010
3. Differential Diagnosis of the Red Eye
Emergency Medicine Residents Lecture Series
VA Hospital, Pittsburgh, 2010
4. Research Presentation
Methods and Logic in Ophthalmology
University of Pittsburgh Medical Center, 2010 – 2011
5. Differential Diagnosis of the Red Eye
Internal Medicine Residents Lecture Series
University of Pittsburgh Medical Center, 2010 – 2011
6. Advanced Physical Exam Course: Ophthalmoscopy
Teaching Assistant, Medical School Course
University of Pittsburgh School of Medicine, 2010 – 2011

7. Ophthalmology Cases: Amblyopia, Strabismus, and Age-Related Macular Degeneration
Problem-Based Learning Preceptor
University of Pittsburgh School of Medicine, 2011
8. Pediatric Ocular Trauma
Pediatric Emergency Medicine Fellowship Program Lecture Series
Children's Hospital of Pittsburgh, 2011 – 12
9. OP200 Course: Section on Pediatric Ophthalmology and Strabismus
Lecturer, Medical School Course
University of Pennsylvania School of Medicine, 2012 – 13
10. Pediatric Ocular Trauma
Pediatric Emergency Medicine Fellowship Program Lecture Series
Hasbro Children's Hospital, 2013 – present
11. Pediatric Ophthalmology and Strabismus, Resident Lecture Series
Ophthalmology Residency Program, Brown University
Rhode Island Hospital and Hasbro Children's Hospital, 2013 – present
 - Organize lecture series in topics in pediatric ophthalmology
12. General Adult and Pediatric Ophthalmology, Clinical Instruction
Ophthalmology Residency Program, Brown University
Rhode Island Hospital and Hasbro Children's Hospital, 2013 – present
 - Supervise resident evaluation and management of the inpatient ophthalmology consult service (general adult and pediatric ophthalmology, including trauma)
 - Supervise resident evaluation of ophthalmology patients in outpatient clinic (general adult ophthalmology, pediatric ophthalmology, adult strabismus)
 - Supervise resident participation in ophthalmic surgery (repair of ruptured globes, pediatric and adult strabismus surgery, pediatric glaucoma and cataract)