

# Peter Yuwei Chang, M.D.

## Education

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**Tufts University School of Medicine** Boston, MA. 2004 – 2008

- Doctor of Medicine

**Brown University** Providence, RI. 2000 – 2004

- Bachelor of Science, Biology

## Postgraduate Training

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**University of Illinois at Chicago / Illinois Eye and Ear Infirmary** Chicago, IL. 2014 – 2016

- Fellow, Vitreoretinal Surgery
- Fellowship Director: William Mieler, MD

**New York Eye and Ear Infirmary of Mount Sinai** New York, NY. 2011 – 2014

- Resident, Ophthalmology
- Chief Administrative Resident (2013 – 2014)
- Residency Director: Anita Gupta, MD

**Mount Auburn Hospital** Cambridge, MA. 2010 – 2011

- Intern, Internal Medicine
- Clinical Instructor, Harvard Medical School
- Internship Director: Eric Flint, MD

**Massachusetts Eye Research and Surgery Institution** Cambridge, MA. 2008 – 2010

- Chief Research Fellow, Uveitis and Ocular Immunology
- Associate, Ocular Immunology and Uveitis Foundation
- Assistant Editor, *Contemporary Ophthalmology*
- Fellowship Director: C Stephen Foster, MD, FACS

## Publications

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1. **Chang PY**, Klemencic SA, Ulanski LJ. Intraocular tumor associated with vision loss in a young female. *JAMA Ophthalmology*. May 2016 (Epub ahead of print).
2. Bojikian KD, Gupta D, Dettori JM, Dettori NJ, Dettori JR, **Chang P**, Slabaugh MA. Evidence in ophthalmology: are we doing better? *Ophthalmology* 2015;122(12):2584-6.
3. Kord Valeshabad A, Francis AW, Setlur V, **Chang P**, Mieler WF, Shahidi M. Hemorrhagic retinopathy after spondylosis surgery and seizure. *Optometry & Visual Science* 2015;92(8):e190-3.
4. **Chang PY**, Leiderman YI. Optimizing surgery for the luxated lens: torsional phaco pars plana vitrectomy. *Retina Today* October 2014 (supplement).

5. **Chang PY**, Kresch Z, Samson CM, Gentile RC. Spontaneous dissociation of fluocinolone acetonide sustained release implant (Retisert) with dislocation into the anterior chamber. *Ocular Immunology and Inflammation* 2015;23(6):454-7.
6. Lerman MA, Burnham JM, **Chang PY**, Daniel E, Foster CS, Hennessy S, Jabs DA, Joffe MM, Kaçmaz RO, Levy-Clarke GA, Mills MD, Nussenblatt RB, Rosenbaum JT, Suhler EB, Thorne JE, Kempen JH. Response of pediatric uveitis to tumor necrosis factor- $\alpha$  inhibitors. *Journal of Rheumatology* 2013;40(8):1394-403.
7. Hoguet A, Sullivan T, Rosenberg K, **Chang PY**, Sidoti PA. Review of "Using multiple trabecular micro-bypass stents in cataract patients to treat open-angle glaucoma." *EyeWorld* November 2012;72-3.
8. **Chang PY**, Hamam R, Giuliari GP, Foster CS. Cytomegalovirus panuveitis associated with papillitis in an immunocompetent patient. *Canadian Journal of Ophthalmology* 2012;47(4):e12-3.
9. Turkuoglu P, **Chang PY**, Rentiya ZS, Channa R, Ibrahim M, Hatf E, Sophie R, Sadaka A, Wang J, Sepah Y, Do DV, Foster CS, Nguyen QD. Mycophenolate mofetil and fundus autofluorescence in the management of recurrent punctate inner choroidopathy. *Ocular Immunology and Inflammation* 2011;19(4):286-92.
10. Giuliari GP, **Chang PY**, Muci-Mendoza R, Cortez RT. A case of acute multifocal inner retinitis associated with nonspecific viral illness. *Retinal Cases & Brief Reports* 2012;6(1):40-2.
11. **Chang PY**, Giuliari GP, Shaikh M, Thakuria P, Makhoul D, Foster CS. Mycophenolate mofetil monotherapy in the management of paediatric uveitis. *Eye* 2011;25(4):427-35.
12. Giuliari GP, Sadaka A, **Chang PY**, Cortez RT. Diabetic papillopathy: current and new treatment options. *Current Diabetes Review* 2011;7(3):171-5
13. Siddique SS, Gonzalez-Gonzalez LA, Thakuria P, **Chang PY**, Foster CS. Scleral necrosis in a patient with congenital erythropoietic porphyria. *Cornea* 2011;30(1):97-9.
14. **Chang PY**, Siddique SS, Shaikh M, Foster CS. Topical corticosteroids in ocular diseases. *Current Topics in Steroid Research* 2010;7:1-10.
15. Foster CS, **Chang PY**, Ahmed AR. Combination of rituximab and intravenous immunoglobulin for recalcitrant ocular cicatricial pemphigoid: a preliminary report. *Ophthalmology* 2010;117(5):861-9.
16. Giuliari GP, **Chang PY**, Thakuria P, Hinkle DM, Foster CS. Pars plana vitrectomy in the management of paediatric uveitis: the Massachusetts Eye Research and Surgery Institution experience. *Eye* 2010;24(1):7-13.
17. Giuliari GP, **Chang PY**, Cortez RT. Rhegmatogenous retinal detachment: general concepts and treatment options. *Contemporary Ophthalmology* 2010; 9(12): 1-8.
18. Zakka FR, **Chang PY**, Giuliari GP, Foster CS. Current trends in the management of ocular symptoms in Adamantiades-Behcet's disease. *Clinical Ophthalmology* 2009;3:567-79.
19. **Chang PY**, Foster CS. Stopping the progression of uveitic glaucoma: the MERSI experience. *Uveitis (Journal of the Uveitis Information Group; Chief Editor: Manfred Zierhut, MD)* 2009 edition: *Uveitis and Glaucoma*.
20. **Chang PY**, Foster CS, Hochberg FH. Primary CNS Lymphoma with Intraocular Involvement (short review of: Grimm SA et al. Primary CNS lymphoma with intraocular involvement: International PCNSL Collaborative Group Report. *Neurology* 2008;71:1355-60). *Journal Watch Neurology* 2009; 11(3): 21-2.
21. Doan S, **Chang PY**, Hoang-Xuan T. Conjunctival and lid inflammation in children. *Contemporary Ophthalmology* 2009; 8(2): 1-8.
22. Williams L, **Chang PY**, Park E, Gorson KC, Bayer-Zwirello L. Case Report: Successful treatment of dermatomyositis during pregnancy with intravenous immunoglobulin monotherapy. *Obstetrics & Gynecology* 2007; 109(2 Pt2): 561-3.

## **Books**

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1. Giuliari GP, **Chang PY**. Pegaptanib sodium in the treatment of ocular vascular diseases: expectations and realities. In: Atta-ur-Rahman, Choudhary, eds. Frontiers in Drug Design & Discovery (Vol 5). Oak Park, IL: Bentham Science Publishers Ltd, 2010.
2. Contributor, Atlas of Ocular Inflammatory Diseases (2nd edition; editors: Foster CS, Bhat P, Yilmaz T, Cervante R, and Mauro J).

## **Posters**

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1. **Chang PY**, Chau FY, Lim JI, Leiderman YI. Sutureless scleral-fixated IOL implantation performed in combination with vitreoretinal procedures. American Society of Retina Specialists (ASRS) 2015.
2. **Chang PY**, Chau FY, Lim JI, Leiderman YI. Indications and outcomes of sutureless scleral-fixated intraocular lens implantation in a university-based referral retina practice. Association for Research in Vision and Ophthalmology (ARVO) 2015.
3. **Chang PY**, Park SC, Banik R. Enhanced depth imaging optical coherence tomography (EDI-OCT) features distinguishing papilledema and anomalous optic nerves. American Academy of Ophthalmology (AAO) Annual Meeting 2013.
4. **Chang PY**, Siddique SS, Pujari S, Baheti U, Mauro J, Kedhar S, Samson CM, Foster CS. Intravenous immunoglobulin in the treatment of refractory ocular cicatricial pemphigoid. AAO Annual Meeting 2012.
5. Palafox S, Shah R, **Chang PY**, Foster CS. Intravenous cyclophosphamide for bilateral retinal vasculitis. ARVO 2011.
6. **Chang PY**, Diaz V, Hinkle DM, Mauro J, Foster CS, Samson CM. Spectral-domain optical coherence tomography in resolved uveitic cystoids macular edema: features associated with permanent vision loss. ARVO 2010.
7. Turkcuoglu P, **Chang PY**, Rentiya ZS, Channa R, Ibrahim M, Haftef E, Do DV, Foster CS, Nguyen QD. The effect of mycophenolate mofetil and fundus autofluorescence characteristic during the clinical course of patients with punctate inner choroidopathy. ARVO 2010.
8. **Chang PY**, Giuliari GP, Thakuria P, Mauro J, Makhoul D, Shaikh M, Foster CS. Mycophenolate mofetil monotherapy in pediatric uveitis. ARVO 2009.
9. Giuliari GP, **Chang PY**, Thakuria P, Hinkle DM, Foster CS. Pars plana vitrectomy for pediatric uveitis. ARVO 2009.
10. **Chang PY**, Foster CS, Ahmed AR. Combination therapy of intravenous immunoglobulin and rituximab for ocular cicatricial pemphigoid. AAO Annual Meeting 2009.

## **Meeting Presentations**

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1. Massive submacular hemorrhage in neovascular age-related macular degeneration. Chicago Rabb Retina Study Club. September 2015.
2. Idiopathic uveal effusion and its surgical management. 27<sup>th</sup> Annual Midwest Ocular Angiography Conference (MOAC). July 2015.
3. Autoimmune versus tuberculous serpiginous choroidopathy. 27<sup>th</sup> Annual MOAC. July 2015.
4. Sclerochoroidal calcification associated with hypomagnesemia. 27<sup>th</sup> Annual MOAC. July 2015.
5. Giant nodular posterior scleritis associated with exudative retinal detachment. Chicago Rabb Retina Study Club. December 2014.

6. Retinal vascular occlusion: risk factor assessment and intervention therapy. 4<sup>th</sup> Annual MERSI Physician Education Conference. November 2009.
7. Retinopathy associated with chronic myelogenous leukemia: a case presentation. 14<sup>th</sup> Annual Foster Ocular Immunology Society Meeting. May 2009.

## **Grand Rounds**

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1. Primary vitreoretinal (intraocular) lymphoma. Illinois Eye and Ear Infirmary (IEEI) Retina Grand Rounds. October 2015.
2. Subretinal hemorrhage associated with choroidal nevus. IEEI Retina Grand Rounds. August 2015.
3. Syphilis co-infection in three HIV-positive men. New York Eye and Ear Infirmary (NYEEI) Uveitis Grand Rounds. March 2014.
4. CMV panuveitis and papillitis in an immunocompetent patient. NYEEI Retina Grand Rounds. January 2014.
5. Exudative retinal detachment in the setting of orbital cellulitis following intravenous corticosteroid treatment. NYEEI Retina Grand Rounds. April 2013.
6. Multiple cranial nerve palsies as a result of metastatic adenoid cystic carcinoma of the submandibular glands. NYEEI Comprehensive Grand Rounds. March 2013.
7. Peripheral exudative hemorrhagic chorioretinopathy masquerading as choroidal melanoma. NYEEI Retina Grand Rounds. October 2012.
8. Dural carotid-cavernous fistula. NYEEI Neuro-Ophthalmology Grand Rounds. January 2012.
9. Ocular manifestations of vitamin A deficiency. NYEEI Cornea Grand Rounds. November 2011.
10. Retinopathy in chronic myelogenous leukemia. NYEEI Retina Grand Rounds. October 2011.
11. Bilateral idiopathic retinal vasculitis treated with intravenous cyclophosphamide. Massachusetts Eye Research and Surgery Institution (MERSI) Case Conference. April 2009.

## **Speakerships**

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1. Anatomy of the Eye. Uveitis Support Group Meeting sponsored by Ocular Immunology and Uveitis Foundation. March 2009.
2. Common Eye Problems in the Elders. Health Awareness Seminar sponsored by Tzu-Chi International Medical Association. February 2009.
3. Seronegative Spondyloarthropathies. MERSI Immunology Seminar. June 2008.

## **Past Research**

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### **Tufts-New England Eye Center Boston, MA. 2005**

- Assisted in the design of a prospective trial comparing two different doses of topical ketorolac after cataract extraction with phacoemulsification and posterior chamber intraocular lens implantation
- Mentor: Michael Raizman, MD, Associate Professor of Ophthalmology, Tufts University School of Medicine

### **Organ Transport Systems, Inc. (Student Fellowship) Dallas, TX. 2001 – 2004**

- Collected, annotated, and analyzed literature and helped generate ideas as to how to effectively preserve organs prior to transplantation
- Participated in the design of Alford-Dowben Organ Preservation Apparatus and Methods (US Patents 6677150, 7176015)
- Mentor: Robert Dowben, MD, PhD, Professor of Physiology, Brown University

**Brown University Department of Physiology** Providence, RI. 2002 – 2003

- Investigated roles of angiotensin II and nitric oxide in protein kinase C-mediated cytoskeletal remodeling of smooth muscle cells
- Mentor: Chi-Ming Hai, PhD, Professor of Medical Science and Physiology, Brown University

**Massachusetts General Hospital Department of Neurology** Boston, MA. 2001

- Produced mutations in members of FE65 APP (amyloid precursor protein)-interacting protein family, and investigated their effects on generation and degradation of beta-amyloid, a protein central in the etiology of Alzheimer's disease
- Mentor: Suzanne Guenette, PhD, Associate Professor of Neurology, Harvard Medical School

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**Extracurricular**

**Awards**

- Fellow of the Year (Red Apple Award), Department of Ophthalmology & Visual Sciences, University of Illinois at Chicago/Illinois Eye and Ear Infirmary (2015)
- Chief Resident Recognition Award, New York Eye and Ear Infirmary of Mount Sinai (2014)
- Special Recognition Award, Volunteer Department, Massachusetts General Hospital (2003)

**Professional Affiliations**

- American Society of Retina Specialist (2014 – present)
- Chicago Ophthalmological Society (2014 – present)
- Foster Ocular Immunology Society (2008 – present)
- American Academy of Ophthalmology (2008 – present)
- Association for Research in Vision and Ophthalmology (2008 – present)
- Massachusetts Medical Society (2004 – 2011)
- Tzu-Chi International Medical Association of Boston (2004 – 2012)

**Volunteer**

- Tzu-Chi International Medical Association of Boston (2005 – 2010)
- Tufts University School of Medicine (TUSM) Sharewood Project (2004 – 2006)
- Massachusetts General Hospital (2000 – 2002)

**Teaching**

- Facilitator, TUSM Problem-Based Learning curriculum (2007 – 2008)
- Preceptor, TUSM student selective "Chinatown Community Health Outreach" (2005 – 2006)
- English Tutor and *Sampan* Health Column Editor, Asian American Civic Association (2004 – 2006)
- Asthma Education Coordinator, Providence Community Health Centers (2002 – 2004)
- Teaching Assistant, *BI80: Human Physiology*, Brown University (2001 – 2004)

**Student Organizations**

- Social Chair, TUSM Class of 2008 (2007 – 2008)
- Co-chair, TUSM 20/20 Club (Ophthalmology interest group) (2005 – 2006)
- Treasurer, TUSM chapter of American Medical Women's Association (2005 – 2006)

**Languages**

- Fluent in English and Mandarin Chinese

**Interests**

- Playing the piano, listening to classical music and classic rock, biking, traveling