

CURRICULUM VITAE

Christina Y. Weng, MD, MBA

I. GENERAL BIOGRAPHICAL INFORMATION

A. Personal:

1. Name: Christina Y. Weng, MD, MBA
2. Citizenship: United States of America

B. Education:

1. Undergraduate Education:
Northwestern University 1999-2003
Evanston, Illinois
B.A. Degree
2. Medical School Education:
University of Michigan Medical School 2003-2008
Ann Arbor, Michigan
M.D. Degree

Graduate School Education:
University of Michigan Ross School of Business 2006-2008
Ann Arbor, Michigan
M.B.A. Degree
3. Postgraduate Training:

Internship: 2008-2009
Transitional Year
Department of Internal Medicine
Santa Clara Valley Medical Center
San Jose, California

Residency: 2009-2012
Ophthalmology
Johns Hopkins University-Wilmer Eye Institute
Department of Ophthalmology
Baltimore, Maryland

Fellowship: 2012-2014
Vitreoretinal Diseases & Surgery
Bascom Palmer Eye Institute-University of Miami

Miami, Florida

C. Academic Appointments:

1. Faculty Positions at BCM:

Associate Professor (tenured) 2019-Present
Baylor College of Medicine
Department of Ophthalmology
Section of Vitreoretinal Diseases & Surgery
Houston, Texas

Assistant Professor 2014-2019
Baylor College of Medicine
Department of Ophthalmology
Section of Vitreoretinal Diseases & Surgery
Houston, Texas

Vitreoretinal Diseases & Surgery Fellowship Program Director 2016-Present
Baylor College of Medicine
Department of Ophthalmology
Section of Vitreoretinal Diseases & Surgery
Houston, Texas

2. Previous Faculty Positions at Other Institutions:

Clinical Instructor 2012-2014
Bascom Palmer Eye Institute-University of Miami
Department of Ophthalmology
Miami, Florida

3. Faculty Appointments(s) at Other Institutions while at BCM:

Assistant Professor 2019-Present
Ben Taub General Hospital
Department of Ophthalmology
Houston, Texas

Assistant Professor 2014-2019
Ben Taub General Hospital
Department of Ophthalmology
Houston, Texas

Medical Staff 2015-Present
CHI St. Luke's Hospital
Department of Ophthalmology
Houston, Texas

Medical Staff
Houston Methodist Hospital
Department of Ophthalmology
Houston, Texas

2014-Present

II. RESEARCH INFORMATION

A. Clinical Trials

1. Technical Title of Project: Natural History of the Progression of X-linked Retinitis Pigmentosa (Xolaris)
Name of Funding Agency: NightstaRx Ltd.
Investigator Relationship or Role on Project: Sub-investigator
2. Technical Title of Project: Feasibility of Suprachoroidal Delivery for Correction of Genetic Factors Associated with Retinal Disease
Name of Funding Agency: Intellia Therapeutics, Inc.
Investigator Relationship or Role on Project: Sub-investigator
3. Technical Title of Project: A New Approach of Suprachoroidal and Subretinal Injections in the Rabbit Eye
Name of Funding Agency: AGTC
Investigator Relationship or Role on Project: Sub-investigator
4. Technical Title of Project: Intravitreal Anti-VEGF Vs. Prompt Vitrectomy for Vitreous Hemorrhage from Proliferative Diabetic Retinopathy <NCT02858076>
Name of Funding Agency: National Eye Institute/Jaeb Center
Investigator Relationship or Role on Project: Principal Investigator
5. Technical Title of Project: Comparative Study to Assess Gene Transfer Following Subretinal or Suprachoroidal Administration in the Rabbit
Name of Funding Agency: Oxford BioMedica
Investigator Relationship or Role on Project: Sub-investigator
6. Technical Title of Project: Rate of Progression in USH2A Related Retinal Degeneration (RUSH2A) <NCT03146078>
Name of Funding Agency: National Institutes of Health
Investigator Relationship or Role on Project: Sub-investigator
7. Technical Title of Project: A Multiple-Site, Phase 1/2, Safety and Efficacy Trial of a Recombinant Adeno-associated Virus Vector Expressing Retinoschisin (rAAV2tYF-CB-hRS1) in Patients with X-linked Retinoschisis <NCT02416622>
Name of Funding Agency: AGTC
Investigator Relationship or Role on Project: Principal Investigator

8. Technical Title of Project: Intravitreal Anti-VEGF Treatment for Prevention of Vision Threatening Diabetic Retinopathy in Eyes at High Risk <NCT02634333>
Name of Funding Agency: National Eye Institute/Jaeb Center
Investigator Relationship or Role on Project: Principal Investigator
 9. Technical Title of Project: A Phase I/IIa Dose Escalation Safety Study of Subretinally Injected StarGen™ (SAR422459), Administered to Patients with Stargardt's Macular Degeneration <NCT01367444>
Name of Funding Agency: Sanofi
Investigator Relationship or Role on Project: Sub-investigator
 10. Technical Title of Project: Prompt Panretinal Photocoagulation Versus Intravitreal Ranibizumab with Deferred Panretinal Photocoagulation for Proliferative Diabetic Retinopathy <NCT01489189>
Name of Funding Agency: National Eye Institute/Jaeb Center
Investigator Relationship or Role on Project: Principal Investigator
 11. Technical Title of Project: A Comparative Effectiveness Study of Intravitreal Aflibercept, Bevacizumab and Ranibizumab for Diabetic Macular Edema <NCT01627249>
Name of Funding Agency: National Eye Institute/Jaeb Center
Investigator Relationship or Role on Project: Principal Investigator
 12. Technical Title of Project: Treatment for Central-Involved Diabetic Macular Edema in Eyes with Very Good Visual Acuity <NCT01909791>
Name of Funding Agency: National Eye Institute/Jaeb Center
Investigator Relationship or Role on Project: Principal Investigator
 13. Technical Title of Project: Genes in Diabetic Retinopathy Project
Name of Funding Agency: National Eye Institute/Jaeb Center
Investigator Relationship or Role on Project: Principal Investigator
 14. Technical Title of Project: A Two-Year, Randomized, Double-Masked, Multicenter, Three-Arm Study Comparing the Efficacy and Safety of RTH258 Versus Aflibercept in Subjects with Neovascular Age-Related Macular Degeneration <NCT02307682>
Name of Funding Agency: Alcon
Investigator Relationship or Role on Project: Sub-investigator
 15. Technical Title of Project: Short-term Evaluation of Combination Corticosteroid + Anti-VEGF Treatment for Persistent Central-Involved Diabetic Macular Edema Following Anti-VEGF Therapy in Pseudophakic Eyes <NCT01945866>
Name of Funding Agency: National Eye Institute/Jaeb Center
Investigator Relationship or Role on Project: Principal Investigator
- B. National Scientific Participation:

1. Journal Review Panels:
 - BMC Ophthalmology* 2016-Present
 - Ophthalmology Retina* 2016-Present
 - American Journal of Ophthalmology Case Reports* 2016-Present
 - JAMA Ophthalmology* 2016-Present
 - Journal of Ophthalmology* 2015-Present
 - Ophthalmology* 2011-Present

2. Professional Societies:
 - a. International Societies:
 - European VitreoRetinal Society
Member 2017-Present

 - Asia-Pacific Academy of Ophthalmology
Member 2017-Present

 - b. National Societies:
 - Retina Society
Member 2017-Present

 - Club-Vit Society
Member 2015-Present

 - American Society of Retina Specialists
Member 2014-Present

 - American Academy of Ophthalmology
Member 2009-Present

 - Association for Research in Vision and Ophthalmology
Member 2008-Present

- C. Publications:
 1. Full Papers in Peer Review Journals:
 - a. Select Published:
 1. Zhuang, I., Gupta, I., **Weng, C.Y.** Retinal Hemorrhages in a Patient With Petechiae. *JAMA Ophthalmology*. 2019;137(4):459-60.

 2. Chen, A., **Weng, C.Y.** Innovative Vitreoretinal Surgery Technologies. *International Ophthalmology Clinics*. 2019 Winter;59(1):281-93.

 3. Lin, W.V., Stout, J.T., **Weng, C.Y.** CRISPR-Cas9 and its Therapeutic Applications for Retinal Diseases. *International Ophthalmology Clinics*. 2019 Winter;59(1):3-13.

 4. **Weng, C.Y.**, Beltran, B. Choroidal Rupture Through the Fovea With Overlying Traumatic Epiretinal Membrane. *JAMA Ophthalmology*. 2019;137(2):e183971.

5. **Weng, C.Y.**, Morales, J.F. Large Combined Hamartoma of the Retina and the Retinal Pigment Epithelium in a Healthy Young Boy. *JAMA Ophthalmology*. 2019;137(3):e184201.
6. **Weng, C.Y.**, Esquenazi, I., Beltran, B. Idiopathic Retinal Vasculitis, Aneurysms, and Neuroretinitis Syndrome. *Ophthalmology Retina*. 2018;2(9):948.
7. Eichenbaum D.A., Buznego, C., **Weng, C.Y.**, Dhoot, D.S., Wykoff, C.C., Sheth, V.S. When and How to Incorporate Steroids for Persistent Diabetic Macular Edema: A Discussion of Real-World Treatment Optimization Strategies. *Ophthalmic Surg Lasers Imaging Retina*. 2018 Jul 1;49(7):S515.
8. **Weng, C.Y.**, Morales, J.F. Optical Coherence Tomography Transecting an Omega Retinal Venous Loop en Face in a Patient With Diabetic Retinopathy. *JAMA Ophthalmology*. 2017;135(12):e174384.
9. **Weng, C.Y.**, Logan, S.A., Crockett, C. Wyburn-Mason Incidentally Diagnosed on Evaluation of Eye Redness. *Ophthalmology*. 2017;124(12):1763.
10. **Weng, C.Y.**, Li, H.K., Young, A.K. Cytomegalovirus Papillitis in a 27-Year Old Man with AIDS Presenting with No Light Perception. *Ophthalmology Retina*. 2017;1(6):523.
11. **Weng, C.Y.** Data Accuracy in Electronic Medical Record Documentation. *JAMA Ophthalmology*. 2017;135(3):232-3.
12. Sajjad, A., **Weng, C.Y.** Vision Loss in a Patient With Primary Pulmonary Hypertension and Long-Term Use of Sildenafil. *Retinal Cases & Brief Reports*. 2017;11(4):325-8.
13. Scott, M.N., **Weng, C.Y.** Acute Eye Pain Following Prolonged Face-Down Positioning in a Patient With Marfan Syndrome. *JAMA Ophthalmology*. 2017;135(3):277-8.
14. Hamill, E.B., Ali, S.F., **Weng, C.Y.** An Update in the Management of Proliferative Diabetic Retinopathy. *International Ophthalmology Clinics*. 2016 Fall;56(4):209-25.
15. **Weng, C.Y.** Preface: Technological Advances in Retina and Uveitis. *International Ophthalmology Clinics*. 2016 Fall;56(4):ix-x.
16. Walton IV, O.B., Garoon, R.B., **Weng, C.Y.**, Gross, J., Young, A., Jin, D., Carvounis, P.E., Coffee, R.E., Chu, Y.I. Evaluation of Automated Teleretinal Screening Program for Diabetic Retinopathy. *JAMA Ophthalmology*. 2016;134(2):204-9.

17. Ezuddin, N.S., Lanza, N.L., **Weng, C.Y.** Subthreshold Micropulse Laser Photocoagulation in the Management of Central Serous Chorioretinopathy. *International Ophthalmology Clinics*. 2016 Fall;56(4):165-74.
18. Logan, S.A., **Weng, C.Y.**, Carvounis, P.E. Intravitreal Steroid Implants in the Management of Retinal Disease and Uveitis. *International Ophthalmology Clinics*. 2016 Fall;56(4):127-49.
19. **Weng, C.Y.**, Gregori, N.Z., Moysidis, S.N., Shi, W., Smiddy, W.E., Flynn, Jr., H.W. Reply. (Author Reply to Letter to the Editor re: Visual and Anatomic Outcomes of Macular Epiretinal Membrane Peeling After Previous Rhegmatogenous Retinal Detachment Repair). *RETINA*. 2016;36(2):e12-4.
20. Scott, M.N., **Weng, C.Y.** The Evolution of Pars Plana Vitrectomy to 27-G Microincision Vitrectomy Surgery. *International Ophthalmology Clinics*. 2016 Fall;56(4):97-111.
21. Rodrigues, I.A., Sprinkhuizen, S.M., Barthelmes, D., Blumenkranz, M., Cheung, G., Haller, J., Johnston, R., Kim, R., Klaver, C., McKibbin, M., Ngah, N.F., Pershing, S., Shankar, D., Tamura, H., Tufail, A., **Weng, C.Y.**, Westborg, I., Yelf, C., Yoshimura, N., Gillies, M.C. Defining a Minimum Set of Standardized Patient-centered Outcome Measures for Macular Degeneration. *American Journal of Ophthalmology*. 2016 Aug;168:1-12.
22. Adams, M.K., Date, R.C., **Weng, C.Y.** The Emergence of Telemedicine in Retina. *International Ophthalmology Clinics*. 2016 Fall;56(4):47-66.
23. Garoon, R.B., Coffee, R.E., Jiang, L., **Weng, C.Y.**, Carvounis, P.E. Adjunct Intravitreal Triamcinolone Acetonide in the Treatment of Diabetic Macular Edema with Anti-VEGF Agents. *Journal of Ophthalmology*. 2016;2016:5282470.
24. Dwight, J.G., **Weng, C.Y.**, Coffee, R.E., Pawlowski, M.E., Tkaczyk, T.S. Hyperspectral Image Mapping Spectrometry for Retinal Oximetry Measurements in Four Diseased Eyes. *International Ophthalmology Clinics*. 2016 Fall;56(4):25-38.
25. **AREDS2 Research Group**, Al-Holou, S.N., Tucker, W.R., Agron, E., Clemons, T.E., Sperduto, R.D., Ferris, F.L. 3rd, Chew, E.Y. The Association of Statin Use with Cataract Progression and Cataract Surgery: The AREDS2 Report Number 8. *Ophthalmology*. 2016 Apr;123(44):916-7.
26. Wells, J.A., Glassman, A.R., Jampol, L.M., Aiello, L.P., Antoszyk, A.N., Baker, C.W., Bressler, N.M., Browning, D.J., Connor, C.G., Elman, M.J., Ferris, F.L., Friedman, S.M., Melia, M., Pieramici, D.J., Sun, J.K., Beck, R.W.; **Diabetic Retinopathy Clinical Research Network**. Association of Baseline Visual Acuity and Retinal Thickness With 1-Year Efficacy of Aflibercept, Bevacizumab, and Ranibizumab for Diabetic Macular Edema. *JAMA Ophthalmology*. 2016;134(2):127-34.

27. **Weng, C.Y.**, Gregori, N.Z., Moysidis, S.N., Shi, W., Smiddy, W.E., Flynn, Jr., H.W. Visual and Anatomic Outcomes of Macular Epiretinal Membrane Peeling After Previous Rhegmatogenous Retinal Detachment Repair. *RETINA*. 2015;35(1):125-35.
28. **Weng, C.Y.**, Harbour, J.W. 38 Year-Old Female Presenting with Serous Macular Detachment Following a Systemic Corticosteroid Injection. *JAMA Ophthalmology*. 2015;133(4):473-4.
29. **Weng, C.Y.**, Albini, T.A. Syphilitic Posterior Uveitis. *JAMA Ophthalmology*. 2015;133(4):e144630.
30. **Weng, C.Y.**, Berrocal, A.M., McKeown, C.A. Retinal Findings Leading to a Change in Diagnosis in a Newborn Child. *JAMA Ophthalmology*. 2015;133(2):215-6.
31. **Weng, C.Y.**, Baumal, C.R., Albini, T.A., Berrocal, A.M. Self-Induced Laser Maculopathy in an Adolescent Boy Utilizing a Mirror. *Ophthalmic Surgery, Laser and Imaging-Retina*. 2015;46(4):485-8.
32. **Weng, C.Y.**, Parke III, D.W., Walter, S.D., Isom, R.F., Chang, J.S., Flynn, Jr., H.W. *Candida glabrata* Endophthalmitis Transmitted From Graft to Host After Descemet Stripping Automated Endothelial Keratoplasty. *JAMA Ophthalmology*. 2014;132(11):1381-3.
33. **Weng, C.Y.**, Berrocal, A.M. Traumatic Macular Holes in the Pediatric and Adolescent Populations. *Retinal Physician*. 2014 Jun;11(5):16-19.
34. **Weng, C.Y.**, Fortun, J.A., Carvounis, P.E., Albini, T.A. Ocriplasmin & Its Role in the Management of Vitreoretinal Interface Disorders. *International Ophthalmology Clinics*. 2014 Spring;54(2):29-38.
35. Venincasa, V.D., **Weng, C.**, Berrocal, A.M. Pigmented Ocular Fundus Lesions in a 6-Year-Old Girl. *JAMA Ophthalmology*. 2014 Mar;132(3):351-2.
36. **Weng, C.Y.**, Flynn, Jr., H.W. Retinal Imaging in Peri-Macular Degenerative Retinoschisis. *Ophthalmic Surgery, Laser and Imaging-Retina*. 2014 Jan/Feb;45(1):79-82.
37. Danis, R.P., Domalpally, A., Chew, E.Y., Clemons, T.E., Armstrong, J., SanGiovanni, J.P., Ferris, F.L. 3rd; **AREDS2 Study Group**. Methods and reproducibility of grading optimized digital color fundus photographs in the Age-Related Eye Disease Study 2 (AREDS2 Report Number 2). *Investigative Ophthalmology and Visual Science*. 2013;54(7):4548-54.
38. Anwar, D.S., Woreta, F.A., **Weng, C.Y.**, Repka, M.X. Incidence of esotropia developing in subjects previously diagnosed with pseudoesotropia: a pilot study. *Strabismus*. 2012 Sep;20(3):124-6.

39. Wu-Chen, W.Y., **Weng, C.Y.**, Kanagasabapathy, D.A.R., Eberhart, C., Miller, N.R. Unusual Presentation of Primary Orbital Microcystic Adnexal Carcinoma. *J Neuro-Ophthalmology*. 2011 Jun;31(2):147-50.
40. **Weng, C.Y.**, Kothary, P.C., Verkade, A.J., Reed, D.M., Del Monte, M.A. MAP kinase pathway is involved in IGF-1-stimulated proliferation of human retinal pigment epithelial cells (hRPE). *Current Eye Research*. 2009 Oct;34(10):867-76.

2. Select Abstracts:

- a. Ayaz, T., **Weng, C.Y.** Impact of choroidal invasion on survival in patients with retinoblastoma. Poster presentation at the 2019 Association for Research in Vision and Ophthalmology Annual Meeting, Vancouver, BC.
- b. **Weng, C.Y.** En Bloc Resection of Retinal Capillary Hemangioma in Combined Tractional-Rhegmatogenous Retinal Detachment Repair. Video presentation at American Academy of Ophthalmology Annual Meeting, Chicago, IL.
- c. Rodriguez, S.M., Hamill, E.B., Moon, N., Kanakamedala, A., Geloneck, M.M., Guffey, D, Minard, C.G., **Weng, C.Y.** Comparing Teleretinal Screening-Identified Diabetic Retinopathy with Diabetic Nephropathy and Other Markers of Systemic Disease. Poster presentation at the 2018 Association for Research in Vision and Ophthalmology Annual Meeting, Honolulu, HI.
- d. Date, R.C., Shen, K., Shah, B.M., Rivera, M.A., Chu, Y.I., **Weng, C.Y.** Utilization of Teleretinal Imaging to Detect Diabetic Retinopathy and Diabetic Macular Edema in an Urban Population. Paper presentation at the 2017 American Academy of Ophthalmology Annual Meeting, New Orleans, LA.
- e. **Weng, C.Y.**, Parke III, D.W., Gregori, N.Z., Townsend, J.H., Chen, R.W. Sutureless Scleral Buckling: A Hands-On Practicum. Skills Transfer Lab at the 2017 American Academy of Ophthalmology Annual Meeting, New Orleans, LA.
- f. Lin, W.V., Scott, M.N., Tendhar, C., **Weng, C.Y.** Visual Outcomes and Complications of Cataract Surgery with Retained Lens Material Requiring Pars Plana Vitrectomy at a Large County Hospital. Poster presentation at the 2017 Association for Research in Vision and Ophthalmology Annual Meeting, Baltimore, MD.
- g. **Weng, C.Y.**, Rahman, S.A., Shah, B.M., Rivera, M.A. Visual and Anatomic Outcomes of Diabetic Tractional Retinal Detachment Repair in a County Health System. Poster presentation at the 2017 Association for Research in Vision and Ophthalmology Annual Meeting, Baltimore, MD.
- h. Adams, M.K., Saifee, M., **Weng, C.Y.**, Carvounis, P.E. Visual Acuity and Macular Anatomy Following Pars Plana Vitrectomy With Membrane Peel For Idiopathic Epiretinal Membrane In The Elderly. Poster presentation at the 2016 Retina Society Annual Meeting, San Diego, CA.

- i. **Weng, C.Y.**, Garoon, R.B., Young, A.K., Yeh, A.G., Lin, W., Chu, Y.I. Teleretinal Screening for Diabetic Retinopathy in the Harris Health System: Cost Analysis & Economic Impact. Poster presentation at the 2016 Annual Meeting of the American Society of Retina Specialists, San Francisco, CA.