

CURRICULUM VITAE

Wai T. Wong, MD PhD**PART I: GENERAL INFORMATION**

Citizenship: Citizen of Singapore; Permanent Resident, USA
Office Address: National Eye Institute
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Education:
1990-1994 **Bachelor of Science, Biology** Massachusetts Institute of Technology (M.I.T.), Cambridge, MA
1990-1994 **Bachelor of Science, Chemical Engineering** Massachusetts Institute of Technology (M.I.T.), Cambridge, MA
1994-2001 **Doctor of Medicine** Washington University, St. Louis, MO
1994-2001 **Doctor of Philosophy, Neuroscience** Washington University, St. Louis, MO

Postdoctoral Training:

2001-2002 **Intern, Transitional Year Program**, Department of Surgery, Presbyterian Hospital, Philadelphia, PA
2002-2005 **Resident in Ophthalmology**, Scheie Eye Institute, Department of Ophthalmology, University of Pennsylvania, Philadelphia, PA
2005-2007 **Fellow in Medical Retina**, National Eye Institute, National Institute of Health, Bethesda, MD

Licensure and Certification:

2001 – 2004 Limited License, Graduate Medical Trainee, Registration in Ophthalmology, Pennsylvania
2004 – present Full License, Medical Physician and Surgeon, Pennsylvania
2007 – present Diplomate, American Board of Ophthalmology

Academic Appointments:

2007 – 2011 Staff Clinician, National Eye Institute, NIH, Bethesda, MD
2011 – present Tenure-track Investigator, NIH, Bethesda, MD
2007 – present Chief, Unit on Neuron-Glial Interactions in Retinal Diseases, National Eye Institute, NIH, Bethesda, MD

Professional Societies:

1996 – 2002 Society for Neuroscience
2004 – present Association for Research in Vision and Ophthalmology (ARVO)
2003 – present American Academy of Ophthalmology (AAO)
2007 – present International Society for Eye Research (ISER)
2009 – present Macula Society

Editorial Boards and Grant Reviews:

Editorial Board:
Neuroglia

Reviewer for the following journals:

PLoS One
Journal of Neuroscience
Glia
Neurobiology of Aging
Journal of Neuroinflammation
Neuron Glia Biology
Developmental Neurobiology
Journal of Pathology
Investigative Ophthalmology and Visual Science
Experimental Eye Research
Molecular Vision
Ophthalmology
British Journal of Ophthalmology
UCSD-Nature Signaling Gateway
Visual Neuroscience
Retina
Retina Cases and Brief Reports
Ocular Immunology and Inflammation
Current Eye Research
Eye
Graefe's Archive for Clinical and Experimental Ophthalmology
Acta Ophthalmologica

Grant Reviewer for:

2008 Diabetes UK
 2009 National Institute on Alcohol Abuse and Alcoholism (NIAAA) Special Emphasis Panel
 2010 NIH Challenge Grant Panel
 2011 Fight for Sight Grant Review

Awards and Honors:

1993 American Institute of Chemical Engineers Annual Chapter Award for academic excellence, M.I.T.
 1994 Roger de Friez Hunneman Prize for outstanding scholarship and research in Chemical Engineering, M.I.T.
 1994 Phi Beta Kappa, MIT
 2001 William Ellis Prize for achievement in Ophthalmology Research – Washington University School of Medicine
 2003 Selected Presentation for the Association of University Professors of Ophthalmology (AUPO) Research Forum
 2008 National Eye Institute (NEI) Director's Award
 2009 Secretariat Award, American Academy of Ophthalmology
 2009 Election to membership in Macula Society
 2010 Young Investigator Travel Award to RD2010, XIVth International Symposium on Retinal Degeneration
 2010 Senior Investigator Award for Best Poster, RD2010, XIVth International Symposium on Retinal Degeneration
 2011 National Eye Institute (NEI) Director's Award

Committees:

2006-2007 NIH Fellows Committee (Felcom): National Eye Institute Clinical Representative
 2011- present Professional Advisory Board Member, Pseudoxanthoma Elasticum (PXE) International (www.pxe.org)

Teaching Activities:

1994 Teaching Assistant in Undergraduate 3rd-year level course in Reactor Design, Department of Chemical Engineering, M.I.T.

- 1997 Teaching Assistant in Medical school level course in Medical Genetics, Washington University Medical School
- 2002-2005 Lecturer for medical school course OP200 for 2nd year medical students, Introduction to Ophthalmology
- 2005- present Medical student teaching and mentorship in Retina Clinic at the National Eye Institute, NIH
- 2007 – present Attending physician mentoring fellows in the Medical Retina Fellowship Program, National Eye Institute, NIH

Mentoring:

- 2007- 2009: Catherine Cukras, MD PhD, Medical Retina Fellow (presently Staff Clinician, National Eye Institute, NIH)
- 2007- 2009: Farzin Forooghian, MD, Medical Retina Fellow (presently Faculty, University of British Columbia)
- 2007- 2008: Jung Eun Lee, BS, Medical Student (from Duke University Medical School), Howard Hughes Scholars at NIH (presently Resident in Radiology, Duke University Medical School)
- 2007- 2008: Katharine Liang, BS, Post-baccalaureate Intramural Research Trainee (presently a MD-Ph.D Candidate at University of North Carolina)
- 2007-2009: Aurora Fontainhas, PhD, Post-doctoral Intramural Research Trainee (presently Post-doctoral Trainee, NIDDK)
- 2008: Yunqing D. Wang, Undergraduate summer intern, Duke University
- 2008- 2009: Pradeep Mettu, BS, Medical Student (from University of Kentucky Medical School), Clinical Research Training Program (presently Resident in Ophthalmology, Duke University Medical School)
- 2008- 2009: Audree Condren, BS, Medical Student (from University of Oklahoma Medical School), Howard Hughes Scholars at NIH (presently Resident in Surgery, Mt Sinai School of Medicine)
- 2009: Waynekid Kam, Undergraduate summer intern, Duke University, (presently Medical Student, Drexel University School of Medicine)
- 2009 - 2010: Mausam Damani, Medical Student (from University of California, Los Angeles), Howard Hughes Scholars at NIH (presently Resident in Ophthalmology, University of Pennsylvania Medical School)
- 2009 - 2011: Annal D. Meleth, Medical Retina Fellow (presently Vitreoretinal surgery fellow at Baylor College of Medicine)
- 2009 - 2011: Nupura Krishnadev, Medical Retina Fellow (presently Assistant Professor, University of Toronto)
- 2009 – 2010: Brian Toy, Medical Student (from University of California, San Francisco), Clinical Research Training Program, (presently Resident in Ophthalmology, Stanford University School of Medicine)
- 2009 – 2010: Maanasa Indaram, Medical Student (from Duke University Medical School), Howard Hughes Scholars at NIH NIH (presently Resident in Ophthalmology, University of California at San Francisco)
- 2010: Philip Petrou, Medical Student summer intern, Mount Sinai School of Medicine
- 2011-2012: Mei Zhou, Medical Student (from University of Chicago), Clinical Research Training Program
- 2011 - present: Benjamin Nicholson, Medical Retina Fellow
- 2011 - present: Naima Jacobs-El, Medical Retina Fellow
- 2011 - present: Monica Dalal, Uveitis Fellow
- 2009 – present: Minhua Wang, Postdoctoral Fellow
- 2012: Samuel Dresner, Undergraduate summer intern, Princeton University

PART II: RESEARCH

Grant Support

1. “Mechanism and Treatment of Retinal Hemorrhages in Exudative Age-related Macular Degeneration.” 01/01/2009-12/31/2011. Prevention of Blindness Society of Metropolitan Washington. Total direct cost: \$42,000. Principal Investigator.
2. “Age-related Microglia-RPE Interactions in AMD Pathogenesis.” 04/01/2010 – 03/31/2012. American Health Assistance Foundation (AHAf). Total direct cost: \$100,000. Principal Investigator.

Major Research Interests

Clinical Research Interests

Age-related Macular Degeneration: Clinical trials for geographic atrophy; outcome measures research for AMD.

Retinal Imaging: OCT imaging in diabetic retinopathy and AMD, Multimodal imaging in macular telangiectasia, autofluorescence imaging in AMD

Retinal microglia as a cellular target for retinal therapeutics: Clinical trials on microglial inhibition in diabetic retinopathy and vascular occlusions.

Genetic diseases of the retina: Clinical characterization and genotype-phenotype correlations in von Hippel-Lindau disease

Translational Research Interests

Microglial physiology in the retina: Dynamic imaging of retinal microglia

Interactions between retinal microglia and other retinal cell types: Cellular interactions between microglia and retinal neurons/RPE cells/Müller cells

Age-related changes in microglial physiology

Creation of animal models for AMD

Clinical Protocols:

Active Protocols:

Principal Investigator: The Age-Related Eye Disease Study 2 (AREDS2): A Multi-center, Randomized Trial of Lutein, Zeaxanthin, and Omega-3 Long-Chain Polyunsaturated Fatty Acids (Docosahexaenoic acid [DHA] and Eicosapentaenoic acid [EPA]) in Age-Related Macular Degeneration (NEI-site).

Principal Investigator: Pilot Study of the Evaluation of Subconjunctival Sirolimus in the Treatment of Bilateral Geographic Atrophy Associated with Age-Related Macular Degeneration

Principal Investigator: Pilot Study of the Evaluation of Intravitreal Sirolimus in the Treatment of Bilateral Geographic Atrophy Associated with Age-Related Macular Degeneration

Associate Investigator: A Pilot Study for the Evaluation of Minocycline as a Microglia Inhibitor in the Treatment of Diabetic Macular Edema

Associate Investigator: Age-Related Eye Disease Study (AREDS) Follow-Up

Associate Investigator: Genotype - phenotype Study of Patients with Plaquenil-induced Retinal Toxicity, with Evaluation of the ABCA4 Gene

Associate Investigator: High Speed Indocyanine Green Angiography Findings in Induction/PRN Regimen of Intravitreal Ranibizumab Injection for Neovascular Age Related Macular Degeneration.

Associate Investigator: Longitudinal Investigation of Dark Adaptation in Participants with Age-Related Macular Degeneration.

Associate Investigator: Evaluation of Single Nucleotide Polymorphism (SNP) in Patients with and Subjects without Age-Related Macular Degeneration (AMD).

Previous Protocols:

Principal Investigator: Pilot Study of Intravitreal Injection of Ranibizumab for Macular Telangiectasia with Neovascularization (MACTEL 1)

Principal Investigator: Pilot Study of Intravitreal Injection of Ranibizumab for Macular Telangiectasia without Neovascularization (MACTEL 2)

Principal Investigator: A Phase II Study of OT-551 Antioxidant Eye Drop in Participants with Bilateral Geographic Atrophy Associated with Age-Related Macular Degeneration.

Principal Investigator: Phase I Study of Intravitreal Injections Versus Anterior Sub-Tenon Injections of Triamcinolone Acetonide Formulation for Macular Edema in Retinal Disorders (EXTAC).

Principal Investigator: Pilot Study of Intravitreal Injection of Triamcinolone Acetonide Formulation for Retinal Vascular Disorders (TACPF).

Principal Investigator: Multi-center, randomized Phase II clinical trial to study the effects of preservative free triamcinolone acetonide and Avastin (Bevacizumab) in combination with photodynamic therapy in participants with age-related macular degeneration.

Associate Investigator: Treatment of Choroidal Subretinal Neovascularization with Agents Directed Against the Immune Response.

Associate Investigator: Pilot Study for the Detection of Neutralizing Antibodies in Patients treated with Bevacizumab (Avastin™) or Ranibizumab (Lucentis™).

Associate Investigator: Lutein/Zeaxanthin and Omega-3 Supplementation in Persons Over Age 60 (LUZEOM).

Associate Investigator: Pilot Study of the Evaluation of Sirolimus in the Treatment of Diabetic Macular Edema.

Associate Investigator: Phase II Study of Implants of Encapsulated Human NTC-201 Cells Releasing Ciliary Neurotrophic Factor (CNTF), in Participants with Visual Acuity Impairment Associated with Atrophic Macular Degeneration

Associate Investigator: Pilot Study of Sunitinib Malate for Advanced Ocular Disease of Von Hippel Lindau Syndrome

Part III: BIBLIOGRAPHY

Peer-reviewed Articles: (* indicates corresponding author)

1. Meleth, A.D., Toy, B.C., Nigam, D., Agron, E., Chew, E.Y., **Wong, W.T.*** Prevalence and Progression of Pigment Clumping Associated with Idiopathic Macular Telangiectasia Type 2 (IMT2). *Retina*, in press.
2. Toy, B.C., Agron, E., Nigam, D., Chew, E.Y., **Wong, W.T.*** Longitudinal Analysis of Retinal Hemangioblastomatosis and Visual Function in Ocular von Hippel-Lindau Disease. *Ophthalmology*, in press.
3. Ma, W., Coon, S., Zhao, L., Fariss, R.N., **Wong, W.T.*** A2E accumulation influences retinal microglial activation and complement regulation. *Neurobiology of Aging*, in press.
4. Cukras, C.A.* , Petrou, P., Chew, E.Y., Meyerle, C.B., **Wong, W.T.*** Oral Minocycline for the Treatment of Diabetic Macular Edema (DME): Results of a Phase I/II Clinical Study. *Investigative Ophthalmology and Visual Science*, in press.
5. Folgar, F.A., Chow, J.H., Farsiu, S., Wong, W.T., Schuman, S.G., O'Connell, R.V., Winter, K.P., Chew, E.Y., Hwang, T.S., Srivastava, S.K., Harrington, M.W., Clemons, T.E., Toth, C.A. Spatial correlation between hyperpigmentary changes on color fundus photography and hyperreflective foci on SDOCT in intermediate AMD. *Investigative Ophthalmology and Visual Science*, in press.
6. Toy, B.C., Koo, E., Cukras, C., Meyerle, C.B., Chew, E.Y., **Wong, W.T.*** Treatment of Non-neovascular Idiopathic Macular Telangiectasia Type 2 with Intravitreal Ranibizumab: Results of a Phase II Clinical Trial. *Retina*, 2012; 32:996-1006.
7. Roger, J, Ranganath, K, Zhao, L., Cojocar, R, Brooks, M, Gotoh, N., Veleri, S., Hiriyanna, A., Rachel, R., Campos, M., Fariss, R., **Wong, W.**, and Swaroop, A. Preservation of cone photoreceptors after a rapid yet transient degeneration and remodeling in cone-only Nrl^{-/-} mouse retina. *Journal of Neuroscience*, 2012; 32:528-41.
8. Cukras, C.A., **Wong, W.T.**, Caruso, R., Cunningham, D., Zein, W., Sieving, P. Centrifugal Expansion of Fundus Autofluorescence Patterns in Stargardt Disease over Time. *Archives of Ophthalmology*, 2012;130:171-9.
9. Ma, W., Zhao, L., **Wong, W.T.*** Microglia in the outer retina and their relevance to pathogenesis of age-related macular degeneration. *Adv Exp Med Biol*. 2012;723:37-42.
10. Wang, M., Ma, W., Zhao, L., Fariss, R.N., **Wong, W.T.*** Adaptive Muller Cell Responses to Microglial Activation Mediate Neuroprotection and Coordinate Inflammation in the Retina. *Journal of Neuroinflammation*, 2011; 8:173.
11. **Wong, W.T.***, Wang, M., Li, W. Regulation of Microglia by Ionotropic Glutamatergic and GABAergic Neurotransmission. *Neuron Glia Biology*, 2011; 14:1-6.
12. Zhao, L, Ma, W.X., Fariss, R.N., **Wong, W.T.*** Minocycline attenuates photoreceptor degeneration in a mouse model of subretinal hemorrhage: microglial inhibition as a potential therapeutic strategy. *American Journal of Pathology*, 2011; 179:1265-77. (Cover)
13. Krishnadev N, Forooghian F, Cukras C, **Wong W**, Saligan L, Chew EY, Nussenblatt R, Ferris F 3rd, Meyerle C. Subconjunctival sirolimus in the treatment of diabetic macular edema. *Graefes Arch Clin Exp Ophthalmol*. 2011; 249:1627-33.

14. Meleth, A.D., **Wong, W.T.**, Chew, E.Y. Treatment for atrophic macular degeneration. *Current Opinion of Ophthalmology*, 2011 ;22:190-3.
15. Fontainhas, A.M, Wang, M, Liang, K.J., Chen, S., Mettu, P., Damani, M., Fariss, R.N., Li, W., **Wong, W.T.*** Microglial Morphology and Dynamic Behavior is Regulated by Ionotropic Glutamatergic and GABAergic Neurotransmission. *PLoS One*, 2011, 25;6(1):e15973.
16. Forooghian, F., Meleth, A.D., Cukras, C., Chew, E.Y., **Wong, W.T.**, Meyerle, C.B. Finasteride for Chronic Central Serous Chorioretinopathy. *Retina*, 2011; 31:766-71.
17. Damani, M., Zhao, L., Fontainhas, A.M., Amaral, J., Fariss, R.N., **Wong, W.T.*** Age-related Alterations in the Dynamic Behavior of Microglia. *Aging Cell*, 2011;10:263-76.
18. Shen, D., Cao, X., Zhao, L., Tuo, J., **Wong, W.T.**, Chan, C-C. Naloxone Ameliorates Retinal Lesions in Ccl2/Cx3cr1 Double Deficient Mice via Modulation of Microglia. *Investigative Ophthalmology and Visual Science*, 2011; 52:2897-2904.
19. Meleth, A.D., Mettu, P., Agron, E., Chew, E.Y., Sadda, S.R., Ferris, F.L., **Wong, W.T.*** Changes in Retinal Sensitivity in Geographic Atrophy Progression as Measured by Microperimetry. *Investigative Ophthalmology and Visual Science*, 2011;52:1119-26.
20. Forooghian, F., Chew, E.Y., Meyerle, C.B., Cukras, C., **Wong, W.T.*** Investigation of the Role of Neutralizing Antibodies Against Bevacizumab as Mediators of Tachyphylaxis. *Acta Ophthalmologica*, 2011; 89:e206-7.
21. Edelhauser H.F., Rowe-Rendleman, C.L., Robinson, M.R., Dawson, D.G., Chader, G.J., Grossniklaus, H.E., Rittenhous, K.D., Wilson, C.G., Weber D.A., Kuppermann, B.D., Csaky, K.G., Olsen, T.W., Kompella, U.B., Holers, V.M., Hageman, G.S., Gilger, B.C., Campochiaro, P.A., Whitcup, S.M., **Wong, W.T.** Ophthalmic Drug Delivery Systems for the Treatment of Retinal Diseases: Basic Research to Clinical Applications. *Investigative Ophthalmology and Visual Science*, 2010:51:5403-20.
22. **Wong, W.T.***, Kam, W., Cunningham D., Harrington, M., Hammel, K., Meyerle, C.B., Cukras, C., Chew, E.Y., Sadda, S.R., Ferris, F.L. Treatment of Geographic Atrophy by the Topical Administration of OT-551: Results of a Phase II Clinical Trial. *Investigative Ophthalmology and Visual Science*, 2010; 51:6131-9.
23. Mettu, P., Agron, E., Samtani, S., Chew, E.Y., **Wong, W.T.*** Genotype-Phenotype Correlation in Ocular von Hippel-Lindau (VHL) Disease: The Effect of Missense Mutation Position on Ocular VHL Phenotype. *Investigative Ophthalmology and Visual Science*, 2010; 51:4464-70.
24. Yeh, S., **Wong, W.T.**, Weichel, E.D., Lew, J.C., Chew, E.Y., Nussenblatt, R.B. Fundus Autofluorescence and OCT in the Management of Progressive Outer Retinal Necrosis. *Ophthalmic Surg Lasers Imaging*. 2010; Mar 9:1-4. doi: 10.3928/15428877-20100216-14.
25. Yeh, S, Forooghian, F., **Wong, W.T.**, Faia, L.J., Cukras, C., Lew, J.C., Wroblewski, K., Weichel, E.D., Meyerle, C.B., Sen, H.N., Chew, E.Y., Nussenblatt, R.B. Fundus autofluorescence imaging of the white dot syndromes. *Arch Ophthalmol*. 2010; 128(1):46-56.
26. Cukras, C., Agron, E., Klein, M.L., Ferris, F.L., Chew, E.Y., Gensler, G., **Wong, W.T. *** Natural History of Drusenoid Pigment Epithelial Detachment in Age-Related Macular Degeneration: Age-Related Eye Disease Study (AREDS) Report Number 28. *Ophthalmology*, 2010;117:489-99.
27. Yeh S, Forooghian F, Faia LJ, Weichel ED, **Wong WT**, Sen HN, Chan-Kai BT, Witherspoon SR, Lauer AK, Chew EY, Nussenblatt RB. Fundus Autofluorescence Changes in Cytomegalovirus Retinitis. *Retina*, 2010; 30(1):42-50.

28. Forooghian, F., Stetson, P.F., Meyer, S.A., Chew, E. Y., **Wong, W.T.**, Cukras, C., Meyerle, C.B., Ferris, F.L. Relationship between Photoreceptor Outer Segment Length and Visual Acuity in Diabetic Macular Edema. *Retina*, 2010; 30(1):63-70.
29. Forooghian, F., Cukras, C., Meyerle, C.B., Nussenblatt, R.B., Gottlieb, C.C., Chew, E.Y., **Wong, W.T.*** Gallium Scintigraphy in the Investigation of Retinal Inflammatory Vasculopathy. *Acta Ophthalmologica*, 2010; 88(7):e291-92.
30. Cukras, C., Wang, Y.D., Meyerle, C.B., Forooghian, F., Chew, E.Y., **Wong, W.T.*** Optical Coherence Tomography-Based Decision Making in Exudative Age-related Macular Degeneration: Comparison of Time- versus Spectral-Domain Devices. *Eye*, 2010; 24:775-83.
31. Lee, T.K., Forooghian, F, Cukras, C, **Wong, W.T.**, Chew, E.Y., Meyerle, C.B. Complementary angiographic and autofluorescence findings in pseudoxanthoma elasticum. *International Ophthalmology*, 2010; 30:77-9.
32. Ma, W., Zhao L., Fontainhas, A.M., Fariss, R.N., **Wong, W. T.*** Microglia in the Mouse Retina Alter the Structure and Function of Retinal Pigmented Epithelial Cells: A Potential Cellular Interaction Relevant to AMD. *PLoS One*, 2009; 4(11): e7945.doi:10.1371/journal.pone.0007945.
33. **Wong, W.T.**, Forooghian, F., Majumdar, Z., Bonner, R.F., Cunningham D, Chew, E.Y. Fundus Autofluorescence in Type 2 Idiopathic Macular Telangiectasia: Correlation with Optical Coherence Tomography and Microperimetry. *American Journal of Ophthalmology*, 2009;148:573-83.
34. Liang, K.J., Lee, J.E., Wang, Y.D., Fariss, R.N., **Wong, W. T.*** Dynamic Behavior in Retinal Microglia is Regulated by CX3CR1 Signaling. *Investigative Ophthalmology and Visual Science*, 2009; 50:4444-51.
35. Forooghian, F., Cukras, C., Meyerle, C.B., Chew, E.Y., **Wong, W.T.*** Tachyphylaxis following Intravitreal Bevacizumab for Exudative Age-related Macular Degeneration. *Retina*, 2009, 29:723-731.
36. Zhao, L., Ma, W.X., Fariss, R.N., **Wong, W. T. *** Retinal Vascular Repair and Neovascularization are not dependent on CX3CR1 Signaling in a Model of Ischemic Retinopathy. *Exp Eye Res*, 2009, 88:1004-13.
37. Yeh, S., Karne, N., Kerkar, S., Heller, C., Palmer, D.C., Johnson, L.A., Li, Z., Bishop, R.J., **Wong, W. T.**, Sherry, R.M., Yang, J.C., Dudley, M.E., Restifo, N.P., Rosenberg, S.A., Nussenblatt, R. B. Ocular and systemic autoimmunity following successful tumor-infiltrating lymphocyte immunotherapy for recurrent, metastatic melanoma. *Ophthalmology*, 2009,116:981-989.
38. Yeh, S, Lew, J.C., **Wong, W. T.**, Nussenblatt, R.B. Relentless placoid chorioretinitis associated with central nervous system lesions treated with mycophenolate mofetil. *Archives of Ophthalmology*, 2009;127:341-343.
39. Forooghian, F., Cukras, C., Meyerle, C.B., Chew, E.Y., **Wong, W. T.*** Evaluation of Time Domain and Spectral Domain Optical Coherence Tomography in the Measurement of Diabetic Macular Edema. *Investigative Ophthalmology and Visual Science*, 2008; 49:4290-6.
40. Lee, J.E., Liang K.J., Fariss, R.N., **Wong, W.T.*** Ex vivo Dynamic Imaging of Retinal Microglia using Time-lapse Confocal Microscopy. *Investigative Ophthalmology and Visual Science*, 2008, 49:4169-76.

41. **Wong, W.T.**, Liang, K., Hammel, K., Coleman, H.R., Chew, E.Y. Intravitreal Ranibizumab Therapy for Retinal Capillary Hemangioblastoma (RCH) Related to von Hippel-Lindau (VHL) Disease. *Ophthalmology*, 2008, 115:1957-64.
42. Meyerle, C.B., Dahr, S.S., Wetjen, N.M., Jirawuthiworavong, G.V., Butman, J.A., Lonser, R.R., Oldfield, E., Rodriguez-Coleman, H, **Wong, W.T.**, Chew, E.Y. Clinical Course of Rare Supratentorial Hemangioblastomas Affecting the Anterior Visual Pathway in von Hippel Lindau Disease. *Ophthalmology*, 2008, 115:1382-9.
43. Huang, L.L., Coleman, H.R., Kim, J., de Monasterio, F., **Wong, W. T.**, Schleicher, R.L., Ferris, F.L., Chew, E.Y. Oral supplementation of lutein/zeaxanthin and omega-3 long chain polyunsaturated fatty acids in persons aged 60 years and older, with and without age-related macular degeneration. *Investigative Ophthalmology and Visual Science*, 2008, 49:3864-9.
44. **Wong, W.T***, Chew, E.Y. Ocular Von Hippel-Lindau Disease: Clinical Update and Emerging Treatments. *Current Opinion in Ophthalmology*, 2008, 19:213-217.
45. **Wong, W.T.** Yeh, S., Chan, C.C., Kalina, R.E., Kinyoun, J.L., Folk, J.C., Coleman, H.R., Chew, E.Y. Retinal Vascular Proliferation as an Ocular Manifestation of von Hippel-Lindau (VHL) Disease. *Archives of Ophthalmology*, 2008;126:637-43.
46. **Wong, W.T.**, Agron, E., Reed, G.F., Tran, T., Coleman, H.R., Csaky, K., Chew, E.Y. Clinical Characterization of Retinal Capillary Hemangioblastomas in a Large Population of Patients with von Hippel-Lindau (VHL) disease” *Ophthalmology* , 2008; 115:181-188.
47. **Wong, W.T.**, Agron, E., Coleman, H.R., Reed, G.F., Csaky, K., Glenn, G., Linehan, W.M., Albert, P., Chew, E.Y. “Genotype-Phenotype Correlation in von Hippel-Lindau (VHL) disease in Retinal Angiomas” *Archives of Ophthalmology*, 2007: 125:239-245.
48. **Wong, W.T.**, Rex, T.S., Aurichio, A., Maguire, A.M., Chung, D.,Tang, W-X., Bennett, J. “Effect of Over expression of Pigment Epithelium Derived Factor (PEDF) on Developing Retinal Vasculature in the Mouse.” *Molecular Vision*, 2004;10:837-844.
49. **Wong, W.T.** and Wong, R.O.L. "Changing Specificity of Neurotransmitter Regulation of Rapid Dendritic Remodeling during Synaptogenesis". *Nature Neuroscience*, 2001;4:351-352.
50. **Wong, W.T.**, Faulkner-Jones, B.E., Sanes, J.R., and Wong, R.O.L. “Rapid Dendritic Remodeling in the Developing Retina: Dependence on Neurotransmission and Reciprocal Regulation by Rac and Rho”. *Journal of Neuroscience*, 2000; 20:5024-5036.
51. Gan, W-B., Grutzendler, J., **Wong, W.T.**, Wong, R.O.L., Lichtman, J.W. “Multicolor “Diolistic” Labeling of Neuronal Circuits using Lipophilic Dye Combinations”. *Neuron*, 2000; 27:219-225.
52. **Wong, W.T.** and Wong, R.O.L. “Rapid Dendritic Movements during Synapse Formation and Rearrangement”. *Current Opinion in Neurobiology*, 2000; 10:118-124.
53. **Wong, W.T.**, Myhr, K.L., Miller, E.D., and Wong, R.O.L. “Developmental Changes in the Neurotransmitter Regulation of Correlated Spontaneous Retinal Activity”. *Journal of Neuroscience*, 2000; 20:351-360.
54. **Wong, W.T.**, Sanes, J.R., and Wong, R.O.L. “Developmentally Regulated Spontaneous Activity in the Embryonic Chick Retina”. *Journal of Neuroscience*, 1998;18:8839-8852.
55. Shefer, S.D., Roseberger, V., Vahanian, G., **Wong, W.T.**, Langer, R. “Implantable hollow fiber bioreactor as a potential treatment for hypercholesterolemia: Characterization of the catalytic unit”. *Biotechnology and Bioengineering*, 1995;48:36-41.

Book Chapters:

1. **Wong, W. T***, Chew, E.Y., Chan, C. C. “Juxtapapillary Manifestations of von Hippel-Lindau (VHL) Disease.” Book Chapter in: “Optic Nerve Disease Research Perspectives” Lewis, B.D. and C.J. Davies (ed); Nova Science Publisher, Hauppauge, NY, 2008; pp. 235-256.
2. **Wong, W.T.**, Brucker, A.J. “Ocular Findings in Myopia.” Book Chapter in: *Myopia and Related Diseases*, Midena, E (Ed), pp54-65, Ophthalmic Communications Society, Inc (2005).
3. Lohmann, C., Mumm, J., Morgan, J., Godinho, L., Schroeter, E., Stacy, R., **Wong, W.T.**, Oakley, D., Wong, R.O.L. “Live Imaging of the Developing Retina.” Book Chapter in “Imaging in Neuroscience and Development: A Laboratory Manual”. Yuste R, and Konnerth, A (Ed), Cold Spring Harbor Press, (2004).
4. Wong, R.O.L., Miller, E.D., **Wong, W.T.**, Shields, C.R., and Myhr, K.L. “Developmental Changes in the Spontaneous Bursting Patterns of On and Off Retinal Ganglion Cells.” Book Chapter in: *Development of the Retina*, ed: Chalupa, L.M. and Finlay, B.L. 275-288, Plenum Press (1998).

Dissertation:

Wong, W.T. Role of Early Neurotransmission in the Regulation of Spontaneous Activity and Dendritic Development, Washington University School of Medicine, 2000.

Patent:

“Novel multicolor method for labeling and visualizing nerve cells” Lichtman, Jeff W.; **Wong, Wai T.**; Wong, Rachel; Gan, Wen-Biao; Grutzendler, Jaime – US Patent No. 6869772, March 22, 2005.

Invited Presentations:**2012**

“**Age-related Macular Degeneration – Overview and Update.**” Keynote Speaker, Macular Degeneration Awareness Day in Montgomery County, MD, May 16, 2012 Silver Spring, MD.

“**Microglia in the Retina: A Cellular Target for Therapeutic Intervention?**” Invited speaker, 138th Anniversary Meeting, Department of Ophthalmology, Scheie Eye Institute, University of Pennsylvania, May 12, 2012, Philadelphia, PA.

2011

“Clinical Studies of Geographic Atrophy”. Invited speaker, Department of Ophthalmology, National University Hospital, Yong Loo Lin School of Medicine, October 13, 2011, Singapore.

“**Microglia in the Retina: Physiologic and Pathologic Aspects**”. Invited speaker, Singapore Eye Research Institute, October 12, 2011, Singapore.

“**The Nature of Aging Sight**”. Invited Speaker, Public Seminar on “Sensory Loss: How Aging Sight and Hearing Impact Cognition”, Prevention of Blindness Metropolitan Washington, Sibley Hospital, September 18, 2011, Washington, DC.

“**Microglia in the Retina: Physiologic and Pathologic Aspects**”. Invited speaker, International symposium of the Research Unit 1336, “Brain myeloid cells: New light on old friends.” September 12, 2011, Potsdam, Germany.

“Clinical Studies of Geographic Atrophy”. Invited speaker, University of Maryland, Department of Ophthalmology, March 5, 2011, Baltimore, MD.

“Clinical Studies of Geographic Atrophy”. Invited speaker, Northwestern University, Department of Ophthalmology, March 14, 2011, Chicago, IL.

“Microglia in the Retina: Physiologic and Pathologic Aspects”. Invited speaker, Northwestern University, Department of Ophthalmology, March 14, 2011, Chicago, IL.

“Treatment of Geographic Atrophy by Topical Administration of OT-551: Results and Development of Outcome Measures.” Speaker, Macula Society 34th Annual Meeting, March 10, 2011, Boca Raton, FL.

“The Eye-Heart Connection”. Keynote Speaker, Public Seminar, Prevention of Blindness Metropolitan Washington, Charles Beatley Central Library, Alexandria, VA, February 26, 2011.

“Microglia in the Retina: Physiologic and Pathologic Aspects”. Invited speaker, Yong Loo Lin School of Medicine, National University of Singapore, Department of Anatomy, Singapore, January 19, 2011

“Treatment of Geographic Atrophy by the Topical Administration of OT-551: Results and Development of Outcome Measures”. Symposium Speaker, Retina Session, Asia-ARVO 2011 Conference, Singapore, January 20, 2011.

“Microglia in the Mouse Retina Alter the Structure and Function of Retinal Pigmented Epithelial Cells: A Potential Cellular Interaction Relevant to AMD”. Speaker, Free Paper on Immunology and Microbiology, Asia-ARVO 2011 Conference, Singapore, January 21, 2011.

2010

“Microglia in the Retina: Physiological and Pathological Aspects”. Invited speaker, Duke University Medical School, Department of Ophthalmology, Durham, NC, November 12, 2010.

“Pseudoxanthoma Elasticum (PXE) and the Eye”. Invited lecturer, PXE International 2010 Conference, Bethesda, MD, September 11, 2010.

“Retinal Microglia and their Role in Age-Related Macular Degeneration”. National Eye Institute 40th Anniversary Symposia Series, Symposium on Translational Research and Vision, National Institutes of Health, Bethesda, MD, June 24-25, 2010.

“Immune Interactions in the Retina: Role of Retinal Microglia in Age-Related Macular Degeneration.” 2nd Annual Ocular Diseases and Drug Discovery Conference, Boston, MA, May 27- 28, 2010.

“What Eye Stem Cell and Genetic Research Offer in the New Decade” Invited participant, Town Hall Meeting, Prevention of Blindness Society of Metropolitan Washington, Sibley Hospital, Washington, DC, April 18, 2010.

“Regulation of Dynamics and Distributions of Retinal Microglia.” Invited participant, Lasker/IRRF Initiative for Innovation in Vision Sciences, Howard Hughes Medical Institute, Janelia Farm Research Campus, Ashburn, VA, February 28 - March 3, 2010.

2009

“New treatments: Neuroprotection and other therapies”. Invited participant, Town Meeting, Prevention of Blindness Society of Metropolitan Washington, Sibley Hospital, Washington, DC, November 15, 2009.

“Clinical Trials for Geographic Atrophy at the NEI”. Invited Presentation, 135th Anniversary Meeting, University of Pennsylvania, Department of Ophthalmology, Philadelphia, May 29, 2009.

“Macular Degeneration: Research Update”. Invited lecturer, Prevention of Blindness Society of Metropolitan Washington, Silver Spring, MD, April 16, 2009.

2008

“Dynamic Imaging of Retinal Microglia”. Invited seminar speaker, Penn State Diabetic Retinopathy Research Group, Hershey, PA, October 7, 2008.

“Pseudoxanthoma Elasticum (PXE) and the Eye”. Invited lecturer, PXE International 2008 Conference, Bethesda, MD, September 19-21, 2008.

“Ocular von Hippel-Lindau Disease”. Invited lecturer, 23rd Biennial Walter Reed Ophthalmology Postgraduate Course and Alumni Meeting, Bethesda, MD, March 24-25, 2008.

“Age-related Macular Degeneration and the Future”. Invited participant, Town Meeting, Prevention of Blindness Society of Metropolitan Washington, Sibley Hospital, Washington, DC, March 2, 2008

“Macular Telangiectasia – Cross-correlational Studies with New Imaging Modalities”. Invited lecture to fellows, residents and staff, University of Rochester Eye Institute, Rochester, NY, February 22, 2008.

2004-2007

“Clinical and Genotypic Characterization of von Hippel-Lindau Disease – the NEI Experience”. Invited Presentation, 133rd Anniversary Meeting, University of Pennsylvania, Department of Ophthalmology, Philadelphia, June 23-23, 2007

“Measuring Outcomes from Ophthalmic Images”. Invited Lecturer, Course: “Clinical Research for the Ophthalmic Photographer”, NEI/NIH, Bethesda, MD, March 23-24, 2007.

“Structural Plasticity in the Developing Retina”. Invited Research Seminar, Duke University, Department of Ophthalmology, September, 29, 2006.

“Regulators of Vascular Growth and Developing Retinal Vasculature”. Invited Speaker, Singapore National Eye Center (SNEC), Singapore, August 11, 2004.

“Structural Plasticity in the Developing Retina”. Invited Speaker, National University of Singapore, Department of Ophthalmology, Faculty of Medicine, Singapore, August 6, 2004.

“Effect of Over-expression of Pigment Epithelium-Derived Factor (PEDF) on Developing Retinal Vasculature in the Mouse Eye”. Research Forum, Annual Meeting for the Association of University Professors of Ophthalmology (AUPO), Sarasota, Florida, January 31, 2004

Abstracts, Meetings, Presentations:

1. C. A. Cukras, P. Petrou, E. Y. Chew, C. Meyerle, **W. T. Wong**. Oral Minocycline for the Treatment of Diabetic Macular Edema (DME): Results of a Phase I/II Clinical Study. ARVO Meeting Abstracts April 22, 2012, 53:401.
2. M. Zhou, D. L. Nigam, B. Nicholson, B. G. Jeffrey, **W.T. Wong**, E. Agron, E. Y. Chew. Retinal Sensitivity in Areas of Reticular Drusen as Measured by Microperimetry. ARVO Meeting Abstracts April 22, 2012, 53:2903.
3. Stefanie Schuman, Rachelle O'Connell, Sina Farsiu, Stephanie J. Chiu, G B. Hubbard, III, **Wai T. Wong**, Thomas S. Hwang, Sunil K. Srivastava, Emily Y. Chew, Cynthia A. Toth. Drusen Area versus Retinal Pigment Epithelium-Drusen Complex Volume in Intermediate Age-related Macular Degeneration. ARVO Meeting Abstracts April 22, 2012, 53:2909.

4. M.Wang, W. Ma, L Zhao, R.N. Fariss, and **W.T. Wong**. Adaptive Muller Cell Responses to Microglial Activation in vitro. ARVO Meeting Abstracts April 22, 2011 52:2676
5. N.Krishnadev, M. Indaram, D. Cunningham, E. Y. Chew, **W. T. Wong**. Fundus Autofluorescence Associated with Drusen Regression in Age-Related Macular Degeneration. ARVO Meeting Abstracts April 22, 2011 52:152
6. L. Grunwald, S. Schuman, J. N. Leuschen, K. Winter, M. McCall, **W.T. Wong**, N.Sarin, M. Harrington, E. Y. Chew, and C. A. Toth. Comparison of Spectral Domain Optical Coherence Tomography Characteristics of Intermediate Versus Advanced Age-related Macular Degeneration in AREDS2 ARVO Meeting Abstracts April 22, 2011 52:159.
7. L.Zhao, R. N. Fariss, and **W.T. Wong**. Macrophage Migration Inhibitory Factor Influences Microglial Morphology And Distribution In The Mouse Retina. ARVO Meeting Abstracts April 22, 2011 52:1369.
8. A. D. Meleth, B. Toy, N.Krishnadev, R. P. Murphy, E. Y. Chew, and **W. T. Wong**. Incidence And Progression Of Pigment Clumping In Macular Telangiectasia Type 2 (Mactel2). ARVO Meeting Abstracts April 22, 2011 52:4524.
9. C.J. Hatton, N.M. Krahe, P. Sapiha, A.Stahl, J. Chen, **W.T. Wong**, M. R. Seaward, A M. Juan, and L. E. Smith. Chemokine Ligands And Receptors Mediate Pathological Retinal Neovascularization In Oxygen-induced Retinopathy. ARVO Meeting Abstracts April 22, 2011 52:3117.
10. B. C. Toy, E. Agron, D. Nigam, E. Y. Chew, and **W. T. Wong**. Longitudinal Study of Retinal Angiomas and Visual Function in Ocular von Hippel-Lindau (VHL) Disease. ARVO Meeting Abstracts April 22, 2011 52:4544.
11. C. A. Cukras, **W. T. Wong**, Rafael C. Caruso, D.Cunningham, W. M. Zein, and P. A. Sieving. Radial Expansion of Fundus Autofluorescence Patterns in Stargardt Disease Over Time. ARVO Meeting Abstracts April 22, 2011 52:5015.
12. C. Toth, J. Leuschen, S. Farsiu, **W. Wong**. Quantitative and Qualitative Assessment of the Macula with SDOCT in Eyes with Intermediate AMD. 34th Annual Macula Society Meeting.
13. **W.T. Wong**, A.D. Meleth, F.L. Ferris. Treatment of Geographic Atrophy by the Topical Administration of OT-551: Results and Development of Outcome Measures. 34th Annual Macula Society Meeting.
14. C.A. Cukras, E. Agrón, M.L. Klein, F.L. Ferris, III, E.Y. Chew, G. Gensler, **W.T. Wong**, Age-Related Eye Disease Study Research Group. Drusenoid Pigment Epithelial Detachment as an Added Risk Factor for Disease Advancement in Age-Related Macular Degeneration. Association for Research in Vision and Ophthalmology, Abstract 2010; 96.
15. J.N. Leuschen, K. Winter, M. McCall, T. Hwang, S. Srivastava, **W. Wong**, T. Clemons, M. Harrington, C. Toth, A2A SDOCT Study Group. Baseline SDOCT Characteristics of AREDS2 Ancillary Study Eyes. Association for Research in Vision and Ophthalmology, Abstract 2010; 106.
16. N. Krishnadev, A.D. Meleth, E.B. Koo, D. Cunningham, E.Y. Chew, C.A. Cukras, **W.T. Wong**. Drusen Appearance in Early and Intermediate Age-Related Macular Degeneration on Modified Camera-Based Fundus Autofluorescence Imaging. Association for Research in Vision and Ophthalmology, Abstract 2010; 308.
17. W. Ma, R. Fariss, **W. Wong**. Differential Gene Expression, Migration, and Phagocytosis in Immortalized BV-2 Cell Line and Cultured Retinal Microglia (RMG). Association for Research in Vision and Ophthalmology, Abstract 2010; 402
18. A.D. Meleth, P. Mettu, F.L. Ferris, III, E.Y. Chew, **W.T. Wong**. Changes in Retinal Sensitivity in the Natural History of Geographic Atrophy as Measured Using the Nidek MP-1 Microperimeter. Association for Research in Vision and Ophthalmology, Abstract 2010; 515.
19. N.M. Krahe, K.M. Connor, R.J. Dennison, P. Sapiha, A. Stahl, J. Chen, M.R. Seaward, W. Ma, **W.T. Wong**, L.E.H. Smith. Chemokines and Their Corollary Receptors Regulate Retinal Angiogenesis in a Mouse Model of ROP. Association for Research in Vision and Ophthalmology, Abstract 2010; 3344.
20. K. Ranganath, J. Roger, A. Hirianna, S. Veleri, R. Cojocar, L. Zhao, **W.T. Wong**, R. Bush, A. Swaroop. A Detailed Analysis of the Transient Photoreceptor Degeneration in the Cone-Only Nrl-Knockout Mouse Retina. Association for Research in Vision and Ophthalmology, Abstract 2010:4051.

21. M.R. Damani, A.M. Fontainhas, L. Zhao, R.N. Fariss, **W.T. Wong**. Age-Dependent Differences in the Dynamic Behavior of Retinal Microglia. Association for Research in Vision and Ophthalmology, Abstract 2010:5759.
22. L. Zhao, W. Ma, R. Fariss, **W.T. Wong**. Cellular Mechanisms Associated With Photoreceptor Cell Loss in a Mouse Model of Subretinal Hemorrhage. Association for Research in Vision and Ophthalmology, Abstract 2010:6197.
23. **W.T. Wong**, W. Kam, D. Cunningham, E.Y. Chew, F.L. Ferris, III. Topical Administration of Anti-Oxidant, OT-551 for the Treatment of Geographic Atrophy: Results of a Phase I/II Clinical Trial. Association for Research in Vision and Ophthalmology, Abstract 2010:6425.
24. D. Shen, X. Cao, L. Zhao, J. Tuo, **W. Wong**, C.-C. Chan. Naloxone Ameliorates Retinal Lesions in Ccl2/Cx3cr1 Double Deficient Mice Through Modulation of Microglia. Association for Research in Vision and Ophthalmology, Abstract 2009:787.
25. C.A. Cukras, Y.D. Wang, C.B. Meyerle, F. Forooghian, **W.T. Wong**. Optical Coherence Tomography-Based Decision Making in Exudative Age-Related Macular Degeneration: Comparison of Time- versus Spectral-Domain Devices. Association for Research in Vision and Ophthalmology, Abstract 2009:1075.
26. F. Forooghian, P.F. Stetson, S.A. Meyer, E.Y. Chew, **W.T. Wong**, C. Cukras, C.B. Meyerle, F.L. Ferris, III. Relationship Between Photoreceptor Outer Segment Length and Visual Acuity in Diabetic Macular Edema. Association for Research in Vision and Ophthalmology, Abstract 2009:1388.
27. L. Zhao, W. Ma, R.N. Fariss, **W.T. Wong**. Retinal Vascular Repair and Neovascularization Are Not Dependent on CX3CR1 Signaling in a Model of Ischemic Retinopathy. Association for Research in Vision and Ophthalmology, Abstract 2009:2948.
28. **W.T. Wong**, K.J. Liang, J. Lee, Y.D. Wang, R.N. Fariss. Dynamic Behavior in Retinal Microglia Is Regulated by CX3CR1 Signaling. Association for Research in Vision and Ophthalmology, Abstract 2009:3033.
29. P. Mettu, E. Agron, E.Y. Chew, **W.T. Wong**. Genotype-Phenotype Correlation in Ocular von Hippel-Lindau Disease: The Effect of Missense Mutation Position on Ocular Phenotype. Association for Research in Vision and Ophthalmology, Abstract 2009:4100.
30. A.B. Condren, P. Mettu, K.J. Liang, R.N. Fariss, J.-Y. Tsai, **W.T. Wong**. In situ Regulation of Choroidal Bloodflow by Smooth Muscle Cells and Pericytes: An ex vivo Confocal Time-Lapse Imaging Approach in Sclerochoroidal Explants. Association for Research in Vision and Ophthalmology, Abstract 2009:4279.
31. A.M. Fontainhas, K.J. Liang, P. Mettu, S. Chen, W. Li, R.N. Fariss, **W.T. Wong**. Retinal Neurotransmission Regulates Dendritic Morphology and Dynamic Behavior in Microglia. Association for Research in Vision and Ophthalmology, Abstract 2009:6254.
32. McCoy, L.F., Jorgensen, W.I., Chew, E.Y., Kim, J., **Wong, W.T.**, Schleicher, R.L., Biological variation in the plasma concentrations of polyunsaturated long chain fatty acids (PUFA) in older adults. Experimental Biology Meeting 2009.
33. Yeh, S., Forooghian, F., Weichel, E.D., **Wong, W.T.**, Faia, L.J., Chan-Kai, B.T., Witherspoon, S.R., Lauer, A.K., Chew, E.Y., Nussenblatt, R.B. Fundus autofluorescence imaging in the evaluation of cytomegalovirus retinitis. Paper presentation, American Society of Retinal Specialists Annual Meeting 2008.
34. **Wong, W.T.**, Lee, J.E., Liang K.J., Fariss, R.N. Dynamic Imaging of Retinal Microglia in Explant Tissue using Time-lapse Confocal Microscopy. ARVO Summer Eye Research Conference on Ocular Autoimmunity and Inflammation. 2008.
35. Forooghian, F, **Wong, W.T.**, Chew, E.Y., Multiple Modality Imaging of Type 2 Idiopathic Macular Telangiectasia: Correlation of Autofluorescence, Optical Coherence Tomography, and Microperimetry Findings. Annual Meeting Abstract and Program Planner accessed at www.arvo.org. Association for Research in Vision and Ophthalmology. Abstract 4674.
36. **Wong, W.T.** Yeh, S., Chan, C.C., Kalina, R.E., Kinyoun, J.L., Folk, J.C., Coleman, H.R., Chew, E.Y. Retinal Vascular Proliferation as an Ocular Manifestation of von Hippel-Lindau (VHL) Disease. 2008 Annual Meeting Abstract and Program Planner accessed at www.arvo.org. Association for Research in Vision and Ophthalmology. Abstract 5685.
37. Lee, J.E., Liang, K., **Wong, W.T.** Dynamic Imaging of Retinal Microglia in Explant Tissue Using Time-Lapse Confocal Microscopy. 2008 Annual Meeting Abstract and Program Planner

- accessed at www.arvo.org. Association for Research in Vision and Ophthalmology. Abstract 4260.
38. Liang, K., **Wong, WT.**, Hammel, K., Coleman, H.R., Chew, E.Y. Intravitreal Ranibizumab Therapy for Retinal Capillary Hemangioblastoma (RCH) Related to von Hippel-Lindau (VHL) Disease. 2008 Annual Meeting Abstract and Program Planner accessed at www.arvo.org. Association for Research in Vision and Ophthalmology. Abstract 5440.
 39. Yeh, S., Weichel, E., Sandler, N., Lew, J.C., **Wong, W.T.**, Meyerle, C.B., Chew, E.Y., Levy-Clarke, G.A., Nussenblatt, R.B. Optical coherence tomography and fundus autofluorescence patterns in the management of progressive outer retinal necrosis. Poster presentation, American Society of Retinal Specialists Annual Meeting 2007.
 40. Yeh, S., Weichel, E., **Wong, W.T.**, Lew, J.C., Meyerle, C.B., Wroblewski, K.J., Chew, E.Y., Levy-Clarke, G.A., Nussenblatt, R.B. Patterns of fundus autofluorescence in posterior uveitic syndromes. Paper presentation, American Society of Retinal Specialists Annual Meeting 2007.
 41. **W.T. Wong**, C.P. Wilkinson, E.Agron, K.Glander, M.Davis, S.Adler, R.Rasooly, R.Danis, E.Y. Chew, FIND Study Group. "Comparison of Dilated Clinical Fundus Exam using the International Clinical Diabetic Retinopathy Severity (ICDRS) Scale with Standard Stereoscopic Seven-Field Photography using the Early Treatment Diabetic Retinopathy Study (ETDRS) Scale" [abstract] 2007 Annual Meeting Abstract and Program Planner accessed at www.arvo.org. Association for Research in Vision and Ophthalmology. Abstract 1401.
 42. **Wong, W.T.**, Agron, E., Coleman, H.R., Reed, G., Csaky, K., Glenn, G., Linehan, W.M., Albert, P., Chew, E.Y. "Clinical and Molecular Characterization of Ocular Involvement in Von-Hippel-Lindau (VHL) Disease." [abstract] 2006 Annual Meeting Abstract and Program Planner accessed at www.arvo.org. Association for Research in Vision and Ophthalmology. Abstract 4693.
 43. **Wong, W.T.**, Aurichio, A., Maguire, A.M., Tang, W-X., Tolentino, M.J., Bennett, J. "Effect of Over-expression of Pigment Epithelium Derived Factor (PEDF) on Developing Retinal Vasculature in the Mouse Eye." . [abstract] 2003 Annual Meeting Abstract and Program Planner accessed at www.arvo.org. Association for Research in Vision and Ophthalmology. Abstract 2887.
 44. Tolentino, M.J., **Wong, W.T.**, Sund, N.J., Zeng, Y., Yang, X., Maguire, A.M., Bennett, J. "Adenoviral-VEGF Induced Pre-retinal and Optic Nerve Neovascularization in a Mouse". [abstract] 2002 Annual Meeting Abstract and Program Planner accessed at www.arvo.org. Association for Research in Vision and Ophthalmology. Abstract 1277.
 45. **Wong, W.T.**, Grutzendler, J., Tsai J., Wong, R.O.L., Lichtman, J.W., Gan, W-B. "Multicolor DiOlistic Labeling of the Nervous System using Lipophilic Dye Combinations". 30th Annual Society for Neuroscience Meeting, New Orleans, LS, November, 2000.
 46. **Wong, W.T.** and Wong, R.O.L. "Regulation of Dynamic Dendritic Remodeling in Developing Retinal Ganglion Cells". 29th Annual Society for Neuroscience Meeting, Miami, FL, November, 1999.
 47. **Wong, W.T.**, Faulkner-Jones, B.E., Sanes, J.R., and Wong, R.O.L. "Role of Rac and Rho in the Regulation of Dendritic Dynamics". Gordon Research Conference on Neural Plasticity, Salve Regina University, RI, July 1999.
 48. Miller, E.D., **Wong W.T.**, and Wong, ROL. "Developmental Changes in the Neurotransmitter Regulation of Correlated Spontaneous Activity". 28th Annual Society for Neuroscience Meeting, Los Angeles, CA, November, 1998.
 49. **Wong W.T.**, and Wong, ROL. "Labeling of Developing Retinal Ganglion Cells in Retinal Explants using Green Fluorescent Protein". FASEB Summer Research Conference on Retinal Neurobiology and Visual Processing, Saxtons River, VT, July 1998.
 50. **Wong, W.T.**, Sanes, J.R., and Wong, R.O.L. "Spontaneous Activity Patterns in the Ganglion Cell Layer of the Embryonic Chick Retina". 27th Annual Society for Neuroscience Meeting, New Orleans, LS, November, 1997.
 51. **Wong, W.T.**, Shefer S.D., Chen, J-P., and Langer, R.S. "Implantable Hollow Fiber Bioreactor to Reduce Low Density Lipoproteins in Blood". Annual American Institute of Chemical Engineers (AIChE) Meeting, Miami, FL, November, 1992.