

Yali Jia

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EDUCATION

Ph.D. in Biomedical Engineering Oregon Health & Science University, Portland, OR	2010
B.S. in Biology Yantai Normal University, Yantai, China	2001

PROFESSIONAL BACKGROUND

Research Assistant Professor , Oregon Health & Science University, Portland, OR	2013 Feb- Present
Postdoctoral Fellow , Oregon Health & Science University, Portland, OR	2011 Jul- 2013 Feb
Postdoctoral Researcher , University of Washington, Seattle, WA	2011 Feb- 2011 Jun

ACADEMIC ACTIVITIES

Active Research Grants

2014-2017 PI of clinical study “Functional Optical Coherence Tomography-derived Biomarkers for Diabetic Retinopathy” supported by NIH grant DP3 DK104397

2014-2018 PI of clinical study “OCT Angiography for Neovascular Age-related Macular Degeneration” supported by NIH R01 EY024544

Society Memberships

Optical Society of America (OSA)
Society of Photographic Instrumentation Engineers (SPIE)
Association for Research in Vision & Ophthalmology (ARVO)

Journal Reviewer

Optics Express, Optics Letter, Biomedical Optics Express, Journal of Biomedical Optics, Plos One, Microvascular Research, current clinical research, American Journal of Ophthalmology, Investigative Ophthalmology & Visual Science

Research Fellow supervision

Eric Wei, BS, University of Southern California, 2009-2012
Xiaogang Wang, MS, Shanghai Jiao Tong University, Shanghai, China, 2012-2013
Liang Liu, MD, Peking Union Medical College Hospital, Beijing, China, 2013- present

Yali Jia

Alex Pechauer, BS, Carroll University, 2014-present
Simon Gao, PhD, Rice University, 2014-present
Jie Wang, MS, Shandong Normal University, 2015-present
Li Liu, MS, Shandong Normal University, 2015-present

Student Education

Lecture on “Ultrahigh Sensitive Optical Microangiography” to graduate students at University of Washington in 2011

Lecture on “Optical Coherence Tomography Angiography” to summer students at Casey Eye Institute in 2013

Academic Services

Co-organizer of “OCT angiography submit” CME conference, Portland, July 2015

Coordinator of “Third International *En face* OCT and OCT Angiography congress” Rome, Italy, Dec. 11-12, 2015

BIBLIOGRAPHY

Pending Patents

1. Huang D, **Jia Y**, Tan O, inventors. In vivo optical flow imaging. US patent application 61/594,967. February 3, 2012.
2. Huang D, **Jia Y**, Tan O, Tokayer J. Split-spectrum amplitude-decorrelation angiography with optical coherence tomography. US patent application 61/594,967.
3. Huang D, Tan O, **Jia Y**, inventors. Blood flow measurement with multiple rings circular scan using SSADA. US patent application.
4. Huang D, **Jia Y**, Tan O, Tokayer J. Quantification of local circulation within various ocular vascular beds with OCT angiography. US patent application 61/699,257.
5. Huang D, **Jia Y**, Jayagopal A, Liu G. Spectral fractionation detection of gold nanorod contrast agents using optical coherence tomography. US patent application.
6. Huang D, **Jia Y**. Quantification of vascular abnormality with OCT angiography. US patent application

Peer Reviewed Journal Papers

1. **Jia Y**, Liu G, Gordon AY, et al. Spectral fractionation detection of gold nanorod contrast agents using optical coherence tomography. *Optics express* 2015;23:4212-25.
2. **Jia Y**, Bailey ST, Wilson DJ, et al. Quantitative Optical Coherence Tomography Angiography of Choroidal Neovascularization in Age-Related Macular Degeneration. *Ophthalmology* 2014;121:1435-44.
3. Wang X, **Jia Y**, Spain R, et al. Optical coherence tomography angiography of optic nerve head and parafovea in multiple sclerosis. *British Journal of Ophthalmology* 2014;98:1368-73 (Co-first author)
4. **Jia Y**, Wei E, Wang X, et al. Optical Coherence Tomography Angiography of Optic Disc Perfusion in Glaucoma. *Ophthalmology* 2014;121:1322-32.
5. Wei E, **Jia Y**, Tan O, et al. Parafoveal retinal vascular response to pattern visual stimulation assessed with OCT angiography. *PLoS ONE* 2013;8:e81343 (corresponding author)

6. Tokayer J, **Jia Y**, Dhalla AH, et al. Blood flow velocity quantification using split-spectrum amplitude-decorrelation angiography with optical coherence tomography. *Biomedical Opt Express* 2013;4:1909-1924.
7. **Jia Y**, Morrison JC, Tokayer JM, et al. Quantitative OCT angiography of optic nerve head blood flow. *Biomed Opt Express* 2012;3: 3127-3137
8. **Jia Y**, Tan O, Tokayer J, et al. Split-spectrum amplitude-decorrelation angiography with optical coherence tomography. *Optics Express*, 2012;20:4710-4725
9. **Jia Y**, Li P, Dziennis S, et al. Responses of peripheral blood flow to acute hypoxia and hyperoxia as measured by optical microangiography. *PLoS ONE*, 2011;6:e26802
10. **Jia Y**, Li P, Wang RK. Optical microangiography provides an ability to monitor responses of cerebral microcirculation to hypoxia and hyperoxia in mice. *Journal of Biomedical Optics* 2011;16: 096019
11. **Jia Y**, Qin J, Zhi ZW, Wang RK. Ultra-high sensitive optical microangiography reveals depth-resolved microcirculation and its longitudinal response to prolonged ischemic event within skeletal muscles in mice. *Journal of Biomedical Optics* 2011;16:086004
12. **Jia Y**, Wang RK. Optical micro-angiography images structural and functional cerebral blood perfusion in mice with cranium left intact. *Journal of Biophotonics* 2011;4:57-63
13. **Jia Y**, M.R. Grafe, A. Gruber, et al “In Vivo Optical Imaging of Revascularization after Brain Trauma in Mice”, *Microvascular Research*, 81, 73-80 (2011)
14. **Jia Y**, Baumann T, Wang RK. Label-free 3D optical microangiography imaging of functional vasa nervorum and peripheral microvascular tree in the hind limb of diabetic mice. *Journal of Innovative Optical Health Sciences* 2010;3:307–313
15. **Jia Y**, Wang RK. Label-free in vivo optical imaging of functional microcirculations within meninges and cortex in mice. *Journal of Neuroscience Methods* 2010;194:108-115
16. **Jia Y**, An L, Wang RK. Label-free and highly sensitive optical imaging of detailed microcirculation within meninges and cortex in mice with the cranium left intact. *Journal of Biomedical Optics* (letters), 2010;15:030510 (Results are featured in the cover of the Journal)
17. **Jia Y**, An L, Wang RK. Doppler optical micro-angiography improves the quantification of local fluid flow and shear stress within 3D porous constructs. *Journal of Biomedical Optics* (Letters), 2009;14:050504
18. **Jia Y**, Alkayed NJ, Wang RK. The potential of optical micro-angiography to monitor cerebral blood perfusion and vascular plasticity following traumatic brain injury in mice in vivo. *Journal of Biomedical Optics* (Letters) 2009;14:040505
19. **Jia Y**, Bagnaninchi P, Yang Y, et al. Doppler optical coherence tomography imaging of local fluid flow and shear stress within microporous scaffolds. *Journal of Biomedical Optics*, 2009;14:034014

Non-Peer Reviewed Journal Papers

1. Aref AA, **Jia Y**, Huang D. Does blood flow measurement have a role in glaucoma care? *Glaucoma Today* 2014;Sep/Oct:49-52.

Peer Reviewed Conference Papers

1. **Jia Y**, Wang RK. Label-free in vivo optical micro-angiography imaging of cerebral capillary blood flow within meninges and cortex in mice with the skull left intact. Proc. SPIE, 788912 (2011)
2. **Jia Y**, Nettleton R, Rosenberg M, et al. Depth-resolved optical imaging of hemodynamic response in mouse brain with microcirculatory beds. Proc. SPIE, 789812 (2011)

3. **Jia Y**, Wang RK. Optical micro-angiography reveals depth-resolved muscular microcirculation. Proc. SPIE, 789803 (2011)
4. **Jia Y**, Bagnaninchi PO, Wang RK. In situ monitoring of localized shear stress and fluid flow within developing tissue constructs by Doppler optical coherence tomography. Proc. SPIE, 68580G (2008)
5. **Jia Y**, Guo ZY, Yang XH, et al. Laser Biostimulation of Articular Cartilage: in Vitro Evaluation. Proc. SPIE, 5486, 352-357 (2004)
6. **Jia Y**, Guo ZY, Yang XH. Experimental Research of Low-Power He-Ne Laser Irradiation on Rabbit Chondrocytes and Evaluation of Its application in clinic. Proc. SPIE, 5254, 323-329 (2003)

Book

1. Lumbros. B, Huang, D, **Jia Y** and Rispoli M, eds. *Angio-OCT*. New Delhi; Jaypee Brothers Medical Publishers; 2014

Book Chapters

1. Huang D, **Jia Y**, Gao S. “Principles of Optical Coherence Tomography Angiography ”, In: Lumbros B, Huang D, Rosenfield P, Chen C, Rispoli M, Romano A, eds. *OCT Angiography Atlas* . New Delhi; Jaypee Brothers Medical Publishers; 2015
2. Huang D, **Jia Y**, Gao S. “OCT Angiography interpretation ”, In: Lumbros B, Huang D, Rosenfield P, Chen C, Rispoli M, Romano A, eds. *OCT Angiography Atlas* . New Delhi; Jaypee Brothers Medical Publishers; 2015
3. Huang D, **Jia Y**, Gao S. “OCT Angiography new terminology ”, In: Lumbros B, Huang D, Rosenfield P, Chen C, Rispoli M, Romano A, eds. *OCT Angiography Atlas* . New Delhi; Jaypee Brothers Medical Publishers; 2015
4. Huang D, Li Y, **Jia Y**, “Corneal and anterior segment OCT Angiography Examination ”, In: Lumbros B, Huang D, Rosenfield P, Chen C, Rispoli M, Romano A, eds. *OCT Angiography Atlas* . New Delhi; Jaypee Brothers Medical Publishers; 2015
5. Huang D, Puech M, **Jia Y**, Gao S, Liang L. “OCT Angiography Examination of Glaucomatous Patients ”, In: Lumbros B, Huang D, Rosenfield P, Chen C, Rispoli M, Romano A, eds. *OCT Angiography Atlas* . New Delhi; Jaypee Brothers Medical Publishers; 2015
6. **Jia Y**, Huang D. “OCT angiography of choroidal neovascularization in age-related macular degeneration”, In: Lumbros. B., Huang, D., Jia Y. and Rispoli M., eds. *Angio-OCT*. New Delhi; Jaypee Brothers Medical Publishers; 2014
7. **Jia Y**, Huang D. “OCT angiography of optic disc and peripapillary retinal perfusion in glaucoma”, In: Lumbros. B., Huang, D., Jia Y. and Rispoli M., eds. *Angio-OCT*. New Delhi; Jaypee Brothers Medical Publishers; 2014
8. Huang D, **Jia Y**. “Split-Spectrum Amplitude-Decorrelation Angiography”, In: Lumbros. B., Huang, D., Jia Y. and Rispoli M., eds. *Angio-OCT*. New Delhi; Jaypee Brothers Medical Publishers; 2014
9. **Jia Y**, Huang D. Non-invasive ocular angiography by optical coherence tomography. In: Michelson G, eds. *Tele-Ophthalmology in Preventive Medicine*. Springer, 2013.
10. Tan O, **Jia Y**, Wei E, Huang D. Clinical applications of Doppler OCT and OCT angiography. In Wolfgang D, Fujimoto JG, eds. *Optical Coherence Tomography: Technology and Applications*. 2nd ed. New York, NY: Springer; 2013.
11. **Jia Y**, Huang D, Fujimoto JG, Hornegger J, Kraus MF. *En face* angiography of the retinal, choroidal, and optic nerve head circulation with ultrahigh-speed OCT. In Lumbroso, B., Huang, D., Rispoli, M., Romano,

A. and Coscas, G. eds. *Eye disease "En face" OCT Atlas*. New Delhi; Jaypee Brothers Medical Publishers; 2012.

12. An L, **Jia Y**, Wang RK. "Label-free optical micro-angiography for functional imaging of microcirculations within tissue beds in vivo". Chapter 15 in *Handbook of Photonics for Biomedical Science*. Edited by V Tuchin, Taylor & Francis Publisher, p301 – 325 (2010)

Invited Conference Presentations

1. **Jia Y**. "OCT Angiography in Choroidal Neovascularization" Association of Ocular Circulation, Chicago, IL, 2014Sep
2. **Jia Y**. "Optical Coherence Tomography Angiography" Ocular Circulation: Technologies & Applications – Symposia, ARVO, Orlando, 2014May
3. **Jia Y**. "Novel OCT approaches to the posterior segment" EURETIA, Rome, Italy, 2013Feb.
4. **Jia Y**. "Ultrahigh Sensitive Optical Microangiography dynamically reveals depth-resolved Microcirculations within Skeletal Muscles" SPIE Photonics West, San Francisco, CA, 2011.

Conference paper Presentations

1. **Jia Y**, Wei E, Morrison JC, et al. "Split-spectrum amplitude-decorrelation angiography with optical coherence tomography", Association for Research in Vision & Ophthalmology Annual Meeting, Seattle, WA, 2013
2. **Jia Y**, Bailey S, Flaxel C, et al. "Pilot Study of OCT Angiography of Choroidal Neovascularization in Age-related Macular Degeneration", ISIE/Imaging Conference, Seattle, WA, 2013
3. **Jia Y**, Morrison JC, Tokayer JM, et al. "Split-spectrum amplitude-decorrelation angiography and quantification of optic nerve head blood flow", SPIE Photonics West, San Francisco, CA, 2013
4. **Jia Y**, Tan O, Tokayer JM, et al. "Split-spectrum amplitude-decorrelation angiography with optical coherence tomography", Association of Circulation, Portland, OR, 2012
5. **Jia Y**, Tan O, Tokayer JM, et al. "Split-spectrum amplitude-decorrelation angiography with optical coherence tomography", Association for Research in Vision & Ophthalmology Annual Meeting, Fort Lauderdale, FL, 2012
6. **Jia Y**, Wang RK. "Depth-resolved optical imaging of hemodynamic response in mouse brain within macro- and micro-circulatory beds" SPIE Photonics West, San Francisco, CA, 2011.
7. **Jia Y**, Wang RK. "Label-free in vivo optical imaging of functional microcirculations within meninges and cortex in mice with high sensitivity and imaging depth" SPIE Photonics West, San Francisco, CA, 2011.
8. **Jia Y**, Wang RK. "Long-term monitoring cerebrovascular response in focal traumatic and ischemic brain injuries" SPIE Photonics West, San Francisco, CA, 2010.
9. **Jia Y**, Wang RK. "Optical Micro-AngioGraphy detecting angiogenesis in brain trauma" SPIE Photonics West, San Francisco, CA, 2010.
10. **Jia Y**, Wang RK. "Doppler optical micro-angiography improves the quantification of local fluid flow and shear stress within 3D porous constructs" SPIE Photonics West, San Francisco, CA, 2010.
11. **Jia Y**, Wang RK. "Noninvasive Optical Micro-AngioGraphy for structural and functional in vivo imaging of cerebro-vascular blood perfusion" SPIE Photonics West, San Jose, CA, 2009.
12. **Jia Y**, Wang RK. "In vivo monitoring cerebral blood flow and vascular plasticity following Traumatic Brain Injury by Optical Micro AngioGraphy" SPIE Photonics West, San Jose, CA, 2009.

13. **Jia Y**, Wang RK. “Doppler optical coherence tomography imaging of local fluid flow and shear stress within microporous scaffolds” SPIE Photonics West, San Jose, CA, 2009.
14. **Jia Y**, Bagnaninchi PO, Wang RK. “The relationship between tissue development and shear stress characterized by Doppler Optical Coherence Tomography” SPIE Photonics West, San Jose, CA, 2008.
15. **Jia Y**, Yang Y, Wang RK. “Ultra high-resolution whole field optical coherence tomography of cell morphology and cell dynamics in three dimensional tissue models” SPIE Photonics West, San Jose, CA, 2008.

Conference abstracts

1. Spain R, **Jia Y**, Chen Z, Liu L, Tan O, Bourdette D, Huang D, “ Decreased Optic Nerve Head Blood Flow Index Highlights Abnormal Retinal Microcirculation in Multiple Sclerosis” 67th annual American Academy of Neurology, Washington DC, 2015
2. Huang D, **Jia Y**, Liu L, Edmunds B, Lombardi L, Armour R, Davis E, Morrison JC. Angiography of peripapillary retina in glaucoma with 70 kHz spectral OCT. American Glaucoma Society. Coronado, CA. February 2015.
3. Huang D, **Jia Y**, Liu Liang, Edmunds B, Lombardi L, Davis E, Takusagawa, Morrison JC, “ OCT angiography of the peripapillary retinal circulation in glaucoma”. 151st annual AOS meeting, Newport, Rhode Island, 2015
4. Flaxel CJ, **Jia Y**, Gao S, Hwang TS, Lauer AK, Bailey ST, Wilson DJ, Huang D, “ Automated quantification of macular ischemia using optical coherence tomography angiography in diabetic retinopathy”. 151st annual AOS meeting, Newport, Rhode Island, 2015
5. **Jia Y**, Bailey ST, Hwang TS, Lauer AK, Flaxel CJ, Pennesi ME, Wilson DJ, Huang D, “ OCT angiography of macular diseases with 70 KHz spectral system”. Association of Circulation, Beijing, China, 2015
6. Liu L, **Jia Y**, Sandhu R, Lin P, Huang D, “ Macular and peripapillary retinal circulation in retinal vasculitis with 70KHz spectral OCT angiography”. Association of Circulation, Beijing, China, 2015
7. Li Y, **Jia Y**, Skalet AH, Lu CD, Lee B, Husvogt L, Hornegger J, Fujimoto JG, Huang D, “ Anterior segment OCT angiography”, Association of Circulation, Beijing, China, 2015
8. **Jia Y**, Gao S, Hwang TS, Lauer AK, Bailey ST, Flaxel CJ, Wilson DJ, Huang D, “ Automated quantification of macular ischemia using optical coherence tomography angiography in diabetic retinopathy”. ARVO, Denver, CO, 2015
9. Liu L, **Jia Y**, Pechauer A, Sandhu R, Lin P, Huang D, “ Angiography of peripapillary retina in retinal vasculitis with 70KHz spectral OCT”. ARVO, Denver, CO, 2015
10. Sandhu R. **Jia Y**. Liang L, Palejwala NP, Suhler E, Hwang TS, Huang D, Lin P. “ Assessment of Macular circulation in patients with retinal vasculitis using OCT angiography”. ARVO, Denver, CO, 2015
11. Pechauer A, **Jia Y**, Liu L, Jiang C, Huang D. “ OCT angiography of the peripapillary in response to hyperoxia”. ARVO, Denver, CO, 2015
12. Gao S, **Jia Y**, Jain N, Pennesi, Huang D. “Methodology for visualization of reduced choriocapillaris density using OCT angiography”. ARVO, Denver, CO, 2015
13. Tan O, Liu L, Liu G, **Jia Y**, Lauer AK, Huang D, “ Total retinal blood flow measurement of normal and diabetic eyes with 100KHz swept source domain OCT”. ARVO, Denver, CO, 2015
14. Bailey ST, **Jia Y**, Hwang TSk, Flaxel C, Fujimoto J, Huang D, “ Detection of occult choroidal neovascularization in age-related macular degeneration with OCT angiography”. ARVO, Denver, CO, 2015

15. Hwang TS, **Jia Y**, Gao S, Lauer AK, Flaxel C, Lin P, Bailey ST, Huang D, “ Diabetic retinopathy characteristics detected with 6 x 6 mm OCT angiography using SSADA algorithm”, ARVO, Denver, CO, 2015
16. Jain N, **Jia Y**, Gao S, Gale MJ, Huang D, Weleber, Pennesi, “ OCT angiography provides insights into choroideremia pathology”. ARVO, Denver, CO, 2015
17. Scott MM, **Jia Y**, Bailey S, Gao S, Huang D, “ Quantitative optical coherence tomography angiography of the choriocapillaris in central serous chorioretinopathy”. ARVO, Denver, CO, 2015
18. Li Y, Lu CD, **Jia Y**, Lee B, Kraus M, Hornegger J, Fujimoto JG, Huang D, “ Anterior segment angiography with 1050 nm swept-source optical coherence tomography”. ARVO, Denver, CO, 2015
19. Skalet AH, Li Y, Lu CD, **Jia Y**, Lee B, Hornegger J, Fujimoto JG, Huang D, “ A pilot study of OCT angiography of iris melanomas”. ARVO, Denver, CO, 2015
20. Lauer A, Hwang T, **Jia Y**, Wilson D, Bailey S, Flaxel C, Huang D, “ Diabetic Retinopathy characteristics detected with 6x6 mm optical coherence tomography angiography using split-spectrum amplitude-decorrelation angiography algorithm”. Macular Society, Scottsdale, Arizona, Feb 2015
21. Wilson D, Bailey S, **Jia Y**, Huang D, “ Optical coherence tomography angiography of occult choroidal neovascularization not well visualized by fluorescein angiography” Macular Society, Scottsdale, Arizona, Feb 2015
22. Pennesi M, Jain N, Gao S, Weleber R, **Jia Y**, Huang D, “Choriocapillaris imaging with OCT angiography provides insights into choroideremia pathology” Macular Society, Scottsdale, Arizona, Feb 2015
23. Hwang T, **Jia Y**, Bailey S, Flaxel C, Lauer A, Wilson D, Huang D. “OCT angiography in Diabetic Retinopathy”, AAO 2014 Chicago, Illinois, October
24. Tan O, Liu L, Liu G, **Jia Y**, Huang D. “ Eye length correction in total retinal blood flow measurement with 70KHz spectral domain OCT”. Association of Circulation, Chicago, IL, 2014
25. Pechauer A, **Jia Y**, Liu L, Jiang C, Huang D. “ OCT angiography of the peripapillary in response to hyperoxia”. Association of Circulation, Chicago, IL, 2014
26. Liu L, **Jia Y**, Morrison JC, Huang D. “ OCT angiography of the peripapillary retina in glaucoma”, Association of Circulation, Chicago, IL, 2014
27. Huang D, **Jia Y**, Bailey ST, Lauer KL, Wilson DJ, “ Optical coherence tomography angiography of macular diseases” 151st annual AOS meeting, New York , 2014
28. Hwang TS, **Jia Y**, Flaxel CJ, Tan O, Bailey ST, Wilson DJ, Hornegger J, Choi WJ, Fujimoto JG, Huang D. Optical coherence tomography angiographic features of non-neovascular age-related macular degeneration. [ARVO abstract]. Invest Ophthalmol Vis Sci. 2014;(suppl).
29. Tan O, Tehrani S, Orozco BV, Wang X, **Jia Y**, Kraus MF, Fujimoto JG, Huang D. Pilot study of optical coherence tomography measurements of retinal vessel relief height in the detection of glaucoma. [ARVO abstract]. Invest Ophthalmol Vis Sci. 2014;(suppl).
30. Liu L, **Jia Y**, Morrison JC, Parikh M, Edmunds B, Huang D. Angiography of optic disc perfusion in glaucoma with a 70 kHz spectral OCT. [ARVO abstract]. Invest Ophthalmol Vis Sci. 2014;(suppl).

31. Spain R, Chen Z, Zhang X, Wang X, Liu L, **Jia Y**, Tan O, Bourdette D, Huang D. Retinal blood flow assessment by OCT angiography may uncover “tissue at risk” prior to structural damage in multiple sclerosis. [ARVO abstract]. *Invest Ophthalmol Vis Sci.* 2014;(suppl).
32. Bailey ST, **Jia Y**, Flaxel CJ, Hwang TS, Lauer AK, Wilson DJ, Hornegger J, Fujimoto JG, Huang D. Improved visualization of choroidal neovascularization in age-related macular degeneration with optical coherence tomography angiography compared to fluorescein angiography. [ARVO abstract]. *Invest Ophthalmol Vis Sci.* 2014;(suppl).
33. Tan O, Liu G, **Jia Y**, Huang D. Total retinal blood flow measurement with 70 k HZ spectral domain OCT. ARVO/ISIE. 2014.
34. Huang D, **Jia Y**, Bailey ST, Hwang T, Lauer AK, Flaxel CJ, Pennesi ME, Wilson DJ, Hornegger J, Fujimoto JG. Optical coherence tomography angiography of macular disease. ARVO/ISIE. 2014.
35. Liu G, Li Y, **Jia Y**, Huang D. Brownian motion imaging with optical coherence tomography and optical coherence tomography angiography. ARVO/ISIE. 2014.
36. Spain R, Huang D. Optic nerve head blood flow assessment by optical coherence tomography angiography may be more sensitive than retinal nerve fiber layer thickness in detecting multiple sclerosis-related optic nerve dysfunction. American Academy of Neurology 66th Annual Meeting. Philadelphia, PA. May 2014.
37. Bailey ST, **Jia Y**, Fujimoto JG, Hornegger J, Huang D. Pilot study of OCT angiography in neovascular age-related macular degeneration. American Academy of Ophthalmology. New Orleans, LA. November 2013.
38. Huang, D, **Jia Y**, wang X, Morrison JC, Fujimoto JG, Hornegger J. Pilot study of OCT angiography of optic disc perfusion. American Academy of Ophthalmology. New Orleans, LA. November 2013.
39. Wang X, **Jia Y**, Spain R, Fujimoto JG, Hornegger J, Huang D. OCT angiography of optic nerve head perfusion in multiple sclerosis patients. American Academy of Ophthalmology. New Orleans, LA. November 2013.
40. **Y. Jia**, E. Wei, J.C. Morrison, M.F. Kraus, J. Hornegger, J.G. Fujimoto, D. Huang, “Split-spectrum amplitude-decorrelation angiography with optical coherence tomography”, Association for Research in Vision & Ophthalmology Annual Meeting, Seattle, WA, 2013
41. E. Wei, **Y. Jia**, O. Tan, B. Potsaid, J.J. Liu, W.J. Choi, J.G. Fujimoto, D. Huang, “Parafoveal retinal vascular response to pattern stimulation assessed with OCT angiography” Association for Research in Vision & Ophthalmology Annual Meeting, Seattle, WA, 2013
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43. **Y. Jia**, J.C. Morrison, J.M. Tokayer, O. Tan, L. Lombardi, B. Baumann, C.D. Lu, W.J. Choi, J.G. Fujimoto, D. Huang. “Split-spectrum amplitude-decorrelation angiography and quantification of optic nerve head blood flow”, SPIE Photonics West, San Francisco, CA, 2013
44. **Y. Jia**, O. Tan, J. Tokayer, B. Potsaid, Y. Wang, J.J. Liu, J.G. Fujimoto, D. Huang, “Split-spectrum amplitude-decorrelation angiography with optical coherence tomography”, Association of Circulation, Portland, OR, 2012

45. **Y. Jia**, O. Tan, J. Tokayer, B. Potsaid, Y. Wang, J.J. Liu, J.G. Fujimoto, D. Huang, “Split-spectrum amplitude-decorrelation angiography with optical coherence tomography”, Association for Research in Vision & Ophthalmology Annual Meeting, Fort Lauderdale, FL, 2012
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55. **Y. Jia**, Y. Yang, R.K. Wang, “Ultra high-resolution whole field optical coherence tomography of cell morphology and cell dynamics in three dimensional tissue models” SPIE Photonics West, San Jose, CA, 2008.