

Maolong Tang

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Education

Ph.D. in Biomedical Engineering The Ohio State University, Columbus, OH	2004
M.S. in Biomedical Engineering Southeast University, Nanjing, China	2000
B.S. in Electrical Engineering Southeast University, Nanjing, China	1998

Professional Background

Assistant Professor of Ophthalmology Research Casey Eye Institute, Oregon Health and Science University, Portland, OR	2010-present
Research Scientist Doheny Eye Institute, University of Southern California, Los Angeles, CA	2008 – 2010
Postdoctoral Research Associate Doheny Eye Institute, University of Southern California, Los Angeles, CA	2004 - 2008

ACADEMIC ACTIVITIES

Research Grants

2018-2023	PI pending
2017-2022	Co-investigator pending
2008-2016	Co-investigator of study “Guiding the Treatment of Anterior Eye Disease with Optical Coherence Tomography” supported by NIH/NEI R01 EY018184
2008-2017	Co-investigator of study “Corneal and Anterior Segment Optical Coherence Tomography” supported by Optovue Inc.
2006-2011	Co-investigator of study “Eye Bank Cornea Screening with Optical Coherence Tomography” supported by NIH/NEI R01 EY017723

Continue Medical Education

1. Tang M, “Optimizing IOL Power Calculation in Difficult Cases”, in resident lecture series, Casey Eye Institute, Oregon Health and Science University, October 2017
2. Tang M, “Corneal power and IOL power calculation with OCT”, in Oregon Ophthalmological Alumni Associate meeting, Casey Eye Institute, Oregon Health and Science University, June 2012
3. Tang M, “OCT-based intraocular lens power calculation after laser vision correction”, in resident lecture series, Casey Eye Institute, Oregon Health and Science University, October 2010
4. Tang M, “Intraocular lens power calculation: history and future”, in *Educational Curriculum*, Los Angeles County Hospital + USC Medical Center, Los Angeles CA, June 2010
5. Tang M, Huang D, “Intraocular lens power calculation after laser vision correction”, in course *Innovations in refractive surgery*, Doheny Eye Institute, Los Angeles CA, December 2009
6. Tang M, Huang D, “Characteristics of keratoconus and pellucid marginal degeneration in mean curvature maps” in course *Refractive implants*, Doheny Eye Institute, Los Angeles CA, April 2005

Journal Reviewer

Journal of Cataract and Refractive Surgery, Investigative Ophthalmology & Visual Science
Ophthalmology, Cornea, American Journal of Ophthalmology, British Journal of Ophthalmology
Journal of Biomedical Optics, Optometry and Vision Science

Society Memberships

Association for Research in Vision and Ophthalmology (ARVO)
International Society for Imaging in the Eye (ISIE)

BIBLIOGRAPHY

Issued Patents

1. Huang D, Tang M, inventors. Gaussian fitting on mean curvature maps for parameterization of corneal ectatic diseases. US patent 7,497,575 issued March 3, 2009.
2. Huang D, Li Y, Tan O, Tang M, inventors. Methods and systems to measure corneal epithelial thickness and power, stromal thickness, subepithelial corneal power and topography for disease diagnosis. US patent 9,655,512 issued May 23, 2017.

Pending Patents

1. Tang M, Li Y, Huang D, inventors. Diagnostic classification of corneal shape abnormalities. US provisional patent application 62/357198, June 30 2016.

Peer Reviewed Journal Articles

1. Huang D, Tang M, Shekhar R. Mathematical model of corneal surface smoothing after laser refractive surgery. *Am J Ophthalmol* 2003; 135(3):267-278.
2. Tang M, Shekhar R, Huang D. Mean curvature mapping for the detection of corneal shape abnormality, *IEEE Trans Med Imaging* 2005; 24(3): 424-428.
3. Tang M, Shekhar R, Miranda D, Huang D. Characteristics of keratoconus and pellucid marginal degeneration in mean curvature maps. *Am J Ophthalmol* 2005; 140: 993-1001.
4. Tang M, Li Y, Avila M, Huang D. Measurement of total corneal power before and after LASIK with high-speed Optical Coherence Tomography, *J Cataract Refract Surg* 2006; 32: 1843-1850.
5. Lai M, Tang M, Andrade E, Li Y, Khurana R, Song J, Huang D. Assessing intrastromal corneal ring segment depth in keratoconic eyes using optical coherence tomography, *J Cataract Refract Surg* 2006; 32: 1860-1865.
6. Khurana R, Li Y, Tang M, Lai M, Huang D. High-speed optical coherence tomography of corneal opacities, *Ophthalmol* 2007;114:1278-1285.
7. Lin R, Li Y, Tang M, McLain M, Rollins M, Izatt J, Huang D. Screening for previous lasik in eye bank corneas using optical coherence tomography, *Cornea* 2007;26(5):594-599.
8. Memarzadeh F, Tang M, Li Y, Chopra V, Francis BA, Huang D. Optical coherence tomography assessment of angle anatomy changes after cataract surgery. *Am J Ophthalmol* 2007; 44(3):464-465.
9. Ramos JB, Zhou S, Yo C, Tang M, Huang D. High-resolution imaging of complicated LASIK flap interface fluid syndrome. *Ophthalmic Surgery, Lasers & Imaging* 2008;39:S80-82.
10. Schallhorn J, Tang M, Li Y, Huang D. Optical coherence tomography of clear corneal incisions for cataract surgery. *J Cataract Refract Surg* 2008;34:1561-1565.
11. Li Y, Meisler DM, Tang M, Lu ATH, Thakrar V, Reiser BJ, Huang D, Keratoconus diagnosis with optical coherence tomography pachymetry mapping, *Ophthalmology*. 2008;115:2159-2166.
12. Zhou S, Li Y, Lu A, Liu P, Tang M, Yiu S, Huang D. Reproducibility of tear meniscus measurement by Fourier-domain optical coherence tomography. *Ophthalmic Surgery, Lasers & Imaging*. 2009;40:442-447.
13. Li Y, Tang M, Zhang X, Salaroli CH, Ramos JL, Huang D, Pachymetric mapping with Fourier-domain optical coherence tomography. *J Cataract Refract Surg*, 2010; 36:826-831.
14. Tang M, Li Y, Huang D. An intraocular lens power calculation formula based on optical coherence tomography: a pilot study. *J Refract Surg*. 2010;26(6):430-437.
15. Tang M, Chen A, Li Y, Huang, D. Corneal power measurement with Fourier-domain optical coherence tomography. *J Cataract Refract Surg*. 2010 Dec;36(12):2115-2122.
16. Salaroli CH, Li Y, Tang M, Ramos JLB, Allemann N, Huang D, Repeatability of LASIK flap thickness measurement by Fourier-domain optical coherence tomography. *J Cataract Refract Surg*. 2011;37(4):649-54.
17. Heur M, Tang M, Yiu S, Zhang X, Huang D. Investigation of femtosecond laser enabled keratoplasty wound geometry using optical coherence tomography. *Cornea* 2011;30(8):889-94.

18. Huang D, Tang M. Refractive surgical problem: July consultation #6. *J Cataract Refract Surg*. 2011;37(7):1371.*
19. Tang M, Ward D, Ramos JLB, Li Y, Salaroli CH, Schor P, Huang D, Measurements of microkeratome cuts in donor corneas with ultrasound and optical coherence tomography. *Cornea*. 2012;31(2):145-9.
20. Tang M, Wang L, Koch DD, Li Y, Huang D, Intraocular lens power calculation after myopic and hyperopic laser vision correction using optical coherence tomography. *Saudi J Ophthalmology*. 2012;26: 19-24.*
21. Tang M, Wang L, Koch DD, Li Y, Huang D, Intraocular lens power calculation after previous myopic laser vision correction based on corneal power measured by Fourier-domain optical coherence tomography, *J Cataract Refract Surg*. 2012;8(4):589-94
22. Qin B, Tang M, Li Y, Zhang X, Chu R, Huang D, Anterior segment dimensions in Asian and Caucasian eyes measured by optical coherence tomography, *Ophthalmic Surgery, Lasers & Imaging*. 2012;31(2):145-9.
23. Cleary C, Liu Y, Tang M, Li Y, Stoeger C, Huang D. Excimer laser smoothing of endothelial keratoplasty grafts. *Cornea*. 2012;31(4):431-6.
24. Cleary C, Song JC, Tang M, Li Y, Liu Y, Yiu S, Huang D. Dual laser-assisted lamellar anterior keratoplasty tophat graft: a laboratory study. *Cornea* 2012;31(7):791-7.
25. Bald M, Li Y, Tang M, Huang D. Anterior segment imaging with optical coherence tomography. *Ophthalmology International*, 2012;Autumn:74-79
26. Le HGT, Tang M, Ridges R, Huang D, Jacobs DS, Pilot study for OCT guided design and fit of a prosthetic device for treatment of corneal disease, *J Ophthalmology*. 2012. doi:10.1155/2012/812034.
27. Hsia T, Tang M, Pan B, Krumeich J, Li Y, Huang D. Angled mushroom pattern femtosecond laser lamellar keratoplasty for krumeich ring insertion: a laboratory study. *J Clin Exp Ophthalmology*, 2012, doi:10.4172/2155-9570.1000232.
28. Cleary C, Tang M, Ahmed H, Fox M, Huang D. Beveled femtosecond laser astigmatic keratotomy for the treatment of high astigmatism post-penetrating keratoplasty. *Cornea*. 2013;32(1):54–62.
29. Bald M, Stoeger C, Galloway J, Tang M, Holiman J, Huang D. Use of Fourier-domain optical coherence tomography to evaluate anterior stromal opacities in human donor corneas. *J Ophthalmology*. 2013: 397680. doi:10.1155/2013/397680
30. Tang M, Stoeger C, Galloway J, Holiman J, Bald M, Huang D. Evaluating DSAEK graft deturgescence in preservation medium after microkeratome cut with optical coherence tomography, *Cornea* 2013 Jun;32(6):847-50.
31. Huang D, Tang M, Wang L, Zhang X, Armour RL, Gattey DM, Lombardi LH, Koch DD, Optical coherence tomography-based corneal power measurement and intraocular lens power calculation following laser vision correction, *Transactions of the American Ophthalmological Society*, 2013;111:57-68
32. Qin B, Francis BA, Li Y, Tang M, Zhang X, Jiang C, Cleary C, Huang D. Anterior chamber angle measurements using schwalbe's line with high resolution Fourier-domain optical coherence tomography. *J Glaucoma*, 2013 Dec;22(9):684-8.
33. Qin B, Chen S, Brass R, Li Y, Tang M, Zhang X, Wang X, Wang Q, Huang D, Keratoconus diagnosis with an optical coherence tomography-based pachymetric scoring system, *J Cataract Refract Surg*, 2013 Dec;39(12):1864-7

34. Cleary C, Li Y, Tang M, Gendy NS, Huang D, Predicting transepithelial phototherapeutic keratectomy outcomes using Fourier-domain optical coherence tomography, *Cornea*, 2014; 33(3):280-7.
35. Tang M, Li Y, Huang D. Corneal epithelial remodeling after LASIK measured by Fourier-domain optical coherence tomography, *J Ophthalmology* 2015: 860313. doi: 10.1155/2015/860313
36. Dong J, Tang M, Zhang Y, Jia Y, Zhang H, Jia Z, Wang X. Comparison of anterior segment biometric measurements between Pentacam HR and IOLMaster in normal and high myopic eyes. *PLOS ONE* 2015; 10(11): e0143110
37. Zhang, C, Bald M, Tang M, Li Y, Huang D. Interface quality of different corneal lamellar-cut depths for femtosecond laser-assisted lamellar anterior keratoplasty. *J Cataract Refract Surg* 2015; 41:827–835.
38. Zhang C, Liu L, Tang M, Li Y, Chamberlain W, Huang D. Laboratory evaluation of femtosecond laser lamellar cuts in Gamma-irradiated corneas, *Cornea* 2015; 34(11):1499-503
39. Wang L, Tang M, Huang D, Weikert MP, Koch DD. Comparison of Newer Intraocular Lens Power Calculation Methods for Eyes after Corneal Refractive Surgery. *Ophthalmology* 2015;122(12):2443-9
40. Su JP, Li Y, Tang M, Liu L, Pechauer AD, Huang D, Liu G. Imaging the anterior eye with dynamic-focus swept-source optical coherence tomography, *J Biomed Optics* 2015; 20(12):126002
41. Yokogawa H, Tang M, Li Y, Liu L, Chamberlain W, Huang D. Deep laser-assisted lamellar anterior keratoplasty with microkeratome-cut grafts. *Cornea* 2016; May;35(5):706-12.
42. Ma JX, Tang M, Wang L, Weikert MP, Huang D, Koch DD. Comparison of newer IOL power calculation methods for eyes with previous radial keratotomy. *Invest Ophthalmol Vis Sci.* 2016;57(9):OCT162-8.
43. Tang M, Li Y, Huang D. Differentiating keratoconus and corneal warpage by analyzing focal change patterns in corneal topography, pachymetry, and epithelial thickness maps. *Invest Ophthalmol Vis Sci.* 2016;57(9):OCT544-9.
44. Schallhorn JM, Tang M, Li Y, Louie JJ, Chamberlain W, Huang D. Distinguishing between contact lens warpage and ectasia: the utility of optical coherence tomography epithelial thickness mapping. *J Cataract Refract Surg* 2017; 43:60–66.
45. Li Y, Yokogawa H, Tang M, Chamberlain W, Guiding flying-spot laser transepithelial phototherapeutic keratectomy with optical coherence tomography, *J Cataract Refract Surg* 2017; 43:525–536.
46. Tran KD, Li Yan, Holiman JD, Tang M, et al, Light scattering measurements in electron-beam sterilized corneas stored in recombinant human serum albumin, *Cell and Tissue Banking*, in press

Non-Peer Reviewed Articles

1. Zhang C, Tang M, Huang D. Dissection of Intrastromal Corneal Ring Segments into Optical Zone. *Atlas of Ophthalmology*, Nov. 2013. Available at: <http://www.atlasophthalmology.com/atlas/folder.jsf?node=9690>.

2. Tang M. How OCT improves measurement in cataract surgery. *Ophthalmology Management*. May 2014: 41-43.

Book Chapters

1. Tang M., Huang D. Intacs intracorneal ring segments. In *Anterior Segment Optical Coherence Tomography*. Steinert RF, Huang D, editors. Thorofare, NJ: SLACK; 2008:67-74.
2. Huang D, Li Y, Tang M. Anterior Segment Imaging with the Optical Coherence Tomography. In *Optical Coherence Tomography: Technology and Applications*. Wolfgang D, Fujimoto JG, editors. New York, NY: Springer; 2008:961-982.
3. Huang D, Li Y, Tang M. Introduction to Corneal and Anterior Segment Imaging with the RTVue Fourier-Domain Optical Coherence Tomography System. In *RTVue Fourier-Domain Optical Coherence Tomography Primer Series: Cornea & Anterior Segment*. Huang D. editor. Fremont, CA: Optovue Inc.; 2009:2-13.
4. Binder PS, Tang M., Huang D. Intra-Corneal implants. In *RTVue Fourier-Domain Optical Coherence Tomography Primer Series: Cornea & Anterior Segment*. Huang D. editor. Fremont, CA: Optovue Inc.; 2009:41-45.
5. Tang M., Huang D. Anterior segment scan procedures. In *Imaging the Eye from Front to Back with the RTVue Optical Coherence Tomography*. Huang D, Duker J, Fujimoto J, Lumbroso B, Schuman J, Weinreb R, editors. Thorofare, NJ: SLACK Inc.; 2010:31-38.
6. Huang D, Li Y, Tang M. Interpretation of corneal images. In *Imaging the Eye from Front to Back with the RTVue Optical Coherence Tomography*. Huang D, Duker J, Fujimoto J, Lumbroso B, Schuman J, Weinreb R, editors. Thorofare, NJ: SLACK Inc.; 2010:39-45
7. Li Y, Tang M., Huang D. Keratoconus screening. In *Imaging the Eye from Front to Back with the RTVue Optical Coherence Tomography*. Huang D, Duker J, Fujimoto J, Lumbroso B, Schuman J, Weinreb R, editors. Thorofare, NJ: SLACK Inc.; 2010:103-107.
8. Heur M, Tang M., Trokel SL, Huang D. Corneal pathologies and surgeries. In *Imaging the Eye from Front to Back with the RTVue Optical Coherence Tomography*. Huang D, Duker J, Fujimoto J, Lumbroso B, Schuman J, Weinreb R, editors. Thorofare, NJ: SLACK Inc.; 2010:123-126.
9. Huang D, Li Y, Tang M. Anterior Segment Imaging with the optical coherence tomography. In *Optical Coherence Tomography: Technology and Applications*. 2nd ed. Wolfgang D, Fujimoto JG, editors. New York, NY: Springer; 2013.

Invited Presentations

1. Tang M., “Corneal power measurement and post-LASIK intraocular lens power calculation using OCT”, Pacific Cataract and Laser Institute, Chehalis, WA, February 2013
2. Tang M., “OCT for IOL calculations after laser refractive surgery”, Contact Lens Association of Ophthalmologists (CLAO) 2014 International Symposium & Congress, Toronto, Canada, June 2014

Conference Abstracts

1. Tang M, Shekhar R, Huang D. Keratoconus detection based on Laplacian convexity representation of corneal topography. Sixth annual great lakes vision research conference, November, 2001, Cleveland, OH.
2. Huang D, Tang M. Corneal topographic convexity mapping for keratoconus screening. Association for Research in Vision and Ophthalmology Meeting, Ft Lauderdale, FL, May 2002, *Invest Ophthalmol Vis Sci*, Supplement 2002;43:U27.
3. Huang D, Tang M, Shekhar R. Mathematical model of corneal surface smoothing after laser refractive surgery. Whitaker Foundation Annual Report, September, 2003.
4. Tang M, Shekhar R, Huang D. Corneal epithelial healing and surgically-induced aberrations after excimer laser correction. Association for Research in Vision and Ophthalmology, Ft Lauderdale, FL, 2004, *Invest Ophthalmol Vis Sci*, Supplement 2004;45:U16.
5. Tang M, Huang D. Characteristics of keratoconus on mean curvature maps. Association for Research in Vision and Ophthalmology, Ft Lauderdale, FL, 2005, *Invest Ophthalmol Vis Sci*, Supplement 2005, Abstr#4950.
6. Lin R, Li Y, Tang M, Huang D. Screening for previous LASIK in eye bank corneas using optical coherence tomography. Association for Research in Vision and Ophthalmology Meeting, Ft Lauderdale, FL, May 2005, *Invest Ophthalmol Vis Sci*, Supplement 2005.
7. Huang D, Lin RC, Li Y, Tang M. Screening for previous LASIK in eye bank corneas using optical coherence tomography. *World Cornea Congress V*, April, 2005. Washington DC.
8. Huang D, Tang M. Measurement of total corneal power with optical coherence tomography. JCRS Symposium on Anterior Segment Imaging, March, 2006, San Francisco, CA.
9. Li Y, Tang M, Lin R, Huang D. LASIK flap reflectivity analysis with high-speed optical coherence tomography. Association for Research in Vision and Ophthalmology, Ft Lauderdale, FL, 2006. *Invest Ophthalmol Vis Sci*, Supplement 2006.
10. Lai MM, Tang M, Khurana R, Huang D. Assessing intrastromal corneal ring segment depth in patients with keratoconus using optical coherence tomography. Association for Research in Vision and Ophthalmology, Ft Lauderdale, FL, 2006, *Invest Ophthalmol Vis Sci*, Supplement 2006;47:Abstr#1359.
11. Tang M, Li Y, Avila M, Huang D. Corneal power change after LASIK assessed by high-speed optical coherence tomography. Association for Research in Vision and Ophthalmology, Ft Lauderdale, FL, 2006, *Invest Ophthalmol Vis Sci*, Supplement 2006;47:Abstr#583.
12. Huang D, Tang M, Li Y. An optical coherence tomography-based intraocular lens formula. American Academy of Ophthalmology annual meeting, AAO 2006, Las Vegas, NV.
13. Huang, D, Tang M, Li Y. An optical coherence tomography-based intraocular lens formula. American Society of Cataract and Refractive Surgery annual meeting, ASCRS 2007, San Diego, CA.
14. Schallhorn J, Tang M, Li Y, Huang D. Analysis of clear corneal incisions for cataract surgery using optical coherence tomography. Association for Research in Vision & Ophthalmology Annual Meeting, Fort Lauderdale, FL, .2007, *Invest Ophthalmol Vis Sci*, Supplement 2007;48:Abstr#1085.
15. Reiser BJ, Schallhorn J, Tang M, Li Y, Huang D. Measuring the anterior corneal vault using the Visante anterior segment OCT: a novel diagnostic tool for keratoconus. Association for Research in Vision & Ophthalmology Annual Meeting, Fort Lauderdale, FL, 2007, *Invest Ophthalmol Vis Sci*, Supplement 2007;48:Abstr#1851.

16. Li Y, Tang M, Thakrar V, Meisler DM, Huang D. Keratoconus screening with high-speed optical coherence tomography. Association for Research in Vision & Ophthalmology Annual Meeting, Fort Lauderdale, FL, 2007, *Invest Ophthalmol Vis Sci*, Supplement 2007;48:Abstr#4019.
17. Memarzadeh F, Tang M, Li Y, Chopra V, Francis BA, Huang D. Anterior segment OCT for imaging the change in anterior chamber angle morphology after cataract surgery. Association for Research in Vision & Ophthalmology Annual Meeting, Fort Lauderdale, FL, 2007, *Invest Ophthalmol Vis Sci*, Supplement 2007;48:Abstr#3855.
18. Tang M, Li Y, Huang D. An optical coherence tomography-based intraocular lens formula. Association for Research in Vision & Ophthalmology Annual Meeting, Fort Lauderdale, FL, 2007, *Invest Ophthalmol Vis Sci*, Supplement 2007;48:Abstr#5435.
19. Ho H-K V, Li Y, Tang M, Iyer S, May W, Huang D. Differential diagnosis of eccentric corneal steepening after hyperopic LASIK by optical coherence tomography. Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, 2007, *Invest Ophthalmol Vis Sci*, Supplement 2007;48:Abstr#2810.
20. Li Y, Tan O, Tang M, Huang D. Corneal epithelial thickness mapping with Fourier-domain optical coherence tomography. Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, 2007, *Invest Ophthalmol Vis Sci*, Supplement 2007;48:Abstr#2813.
21. Huang D, Tang M. Corneal power measurement with optical coherence tomography. Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, 2007, *Invest Ophthalmol Vis Sci*, Supplement 2007;48:Abstr#3267.
22. Ramos JB, Baikoff G, Li Y, Tang M, Huang D. Sensitivity of keratoconus screening with optical coherence tomography. Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, 2008, *Invest Ophthalmol Vis Sci*, Supplement 2008;48:Abstr#3273.
23. Schallhorn J, Tang M, Li Y, Huang D. Keratoconus, corneal refractive index changes in keratoconus. Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, 2008, *Invest Ophthalmol Vis Sci*, Supplement 2008;48:Abstr#4345.
24. Huang D, Tang M, Li Y. Quantification of keratoconic focal thinning on pachymetry maps by fitting of Gaussian waveform. Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, May 3-7, 2009, *Invest Ophthalmol Vis Sci*, Supplement 2009; Abstr#3548.
25. Tang M, Li Y, Huang D. Corneal topography and power measurement with optical coherence tomography. Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, May 3-7, 2009, *Invest Ophthalmol Vis Sci*, Supplement 2009; Abstr#5791.
26. Qin B, Tang M, Zhang X, Huang D. Multi-ethnic survey of anterior eye anatomy using optical coherence tomography. Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, May 2-6, 2010, *Invest Ophthalmol Vis Sci*, Supplement 2010; Abstr#5653.
27. Tang M, Li Y, Huang D. Intraocular lens power calculation based on Fourier-domain optical coherence tomography. Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, May 2-6, 2010, *Invest Ophthalmol Vis Sci*, Supplement 2010; Abstr#5692.

28. Stoeger C, Galloway J, Huang D, Tang M, Holiman J, Smythe D. Use of FD-OCT to elucidate anterior stromal pathology in human donor corneas. XXIII Annual Meeting of the European Eye Bank Association, Freiburg, Germany. January 21-22, 2011.
29. Wang L, Tang M, Huang D, Koch, DD. IOL power calculations in post-LASIK/PRK eyes with the formula based on optical coherence tomography, American Society of Cataract and Refractive Surgery annual meeting, ASCRS 2011, March 25-29, 2011 San Diego, CA.
30. Le H, Tang M, Ridges R, Huang D, Jacobs DS. OCT guided design and fitting of an ocular surface prosthetic device. Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, May 1-5, 2011, *Invest Ophthalmol Vis Sci*, Supplement 2011; Abstr#6555.
31. Cleary C, Song JC, Tang M, Li Y, Liu Y, Yiu S, Huang D. Dual laser-assisted lamellar anterior keratoplasty: a laboratory study in eyebank eyes. Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, May 1-5, 2011, *Invest Ophthalmol Vis Sci*, Supplement 2011. Abstr#3383
32. Qin B, Li Y, Tang M, Zhang X, Huang D. Anterior chamber angle measurement using Fourier-domain optical coherence tomography. Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, May 1-5, 2011, *Invest Ophthalmol Vis Sci*, Supplement 2011. Abstr#6278
33. Tang M, Li Y, Huang D. Corneal power measurement with optical coherence tomography. Annual Meeting of the International Society for Imaging in the Eye (ISIE), April 2011, Fort Lauderdale, FL.
34. Huang D, Tang M. Intraocular lens power calculation after previous myopic laser vision correction based on Fourier-domain oct, International Society of Refractive Surgery (ISRS) Refractive Surgery Subspecialty Day, October 2011, Orlando, FL.
35. Wang L, Koch DD, Jenkins RB, Tang M, Li Y, Huang D, IOL power calculations with optical coherence tomography based formula and formulas from the ASCRS calculator in post-LASIK/PRK eyes, American Society of Cataract and Refractive Surgery annual meeting, ASCRS 2012, Chicago, IL
36. Tang M, Wang L, Koch DD, Li Y, Huang D, Intraocular lens power calculation after myopic or hyperopic laser vision correction using optical coherence tomography, Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, May, 2012, *Invest Ophthalmol Vis Sci*, Supplement 2012. Abstr#3612
37. Huang D, Tang M, Li Y. Clinical Applications of Corneal OCT. *Frontiers in Optics 2012/Laser Science XXVIII*. Rochester, New York, Oct 2012. doi: 10.1364/FIO.2012.FW4C.3.
38. Stoeger C, Li Y, Tang M, Galloway J, Measurement of descemet membrane thickness with Fourier-domain optical coherence tomography and its impact on tissue preparation. The Eye Bank Association of America (EBAA) Scientific Symposium and Poster Session, Chicago, IL 2013.
39. Zhang C, Bald M, Tang M, Huang D. Evaluating smoothness of femtosecond laser lamellar cuts at different depths. 28th Biennial Cornea Conference. Boston, MA. October 2013.
40. Tang M, Li Y, Huang D. Measuring Corneal epithelial thickness change after LASIK with optical coherence tomography. Association for Research in Vision & Ophthalmology Annual Meeting, Seattle, WA, May, 2013, *Invest Ophthalmol Vis Sci*, Supplement 2013. Abstr#536

41. Waisbren E, Wang L, Tang M, Koch DD. Intraocular lens power prediction in eyes with prior radial keratotomy using Fourier-domain optical coherence tomography. Association for Research in Vision & Ophthalmology Annual Meeting, Seattle, WA, May, 2013, *Invest Ophthalmol Vis Sci*, Supplement 2013. Abstr#1834
42. Wang L, Waisbren E, Tang M, Huang D, Koch DD. OCT for IOL power calculation in eyes with prior radial keratotomy. ASCRS Symposium & Congress. Boston, MA. April 2014
43. Reiser BJ, Tang M, Huang D. OCT-guided, laser-assisted anterior lamellar keratoplasty (LALAK), a novel technique for lamellar keratoplasty in children with partial thickness corneal opacities. Association for Research in Vision & Ophthalmology Annual Meeting, Orlando, FL, *Invest Ophthalmol Vis Sci*. Supplement 2014.
44. Tang M, Zhang C, Bald M, Li Y, Huang D. Laboratory evaluation of feasible depths for femtosecond laser assisted lamellar anterior keratoplasty. Association for Research in Vision & Ophthalmology Annual Meeting, Orlando, FL, *Invest Ophthalmol Vis Sci*. Supplement 2014.
45. Su PJ, Liu G, Li Y, Tang M, Huang D. Imaging of whole anterior segment with dynamic focusing swept source OCT. ARVO Imaging in the Eye Conference 2015, Denver, CO.
46. Tang M, Bald M, Li Y, Huang D. Quantification of Keratoconic Focal Thinning on Corneal Epithelial Thickness Maps by Fitting of Gaussian Waveform. Association for Research in Vision & Ophthalmology Annual Meeting, Denver, CO, *Invest Ophthalmol Vis Sci*. Supplement 2015.
47. Wang L, Tang M, Huang D, Koch DD. Comparison of IOL power calculations using OCT-based, Barrett True-K, and ASCRS post-keratorefractive IOL power calculators. AAO 2015 Specialty Day, Las Vegas, NV.
48. Tang M, Li Y, Huang D. Differentiating keratoconus and contact lens-related corneal warpage by combining pattern analysis of focal changes in anterior corneal topography, pachymetry, and epithelial thickness maps. Association for Research in Vision & Ophthalmology Annual Meeting, Seattle, WA, May 1-5, 2016.
49. Hagag AM, Tang M, Li Y, Huang D. Scleral toricity measurement with 1050 nm Swept-Source Optical Coherence Tomography. Association for Research in Vision & Ophthalmology Annual Meeting, Seattle, WA, May 1-5, 2016.
50. Schallhorn J, Tang M, Li Y, Huang D, Comparison of contact lens warpage and true ectasia: utility of optical coherence tomography epithelial thickness mapping. ASCRS Symposium on Cataract, IOL and Refractive Surgery, New Orleans, LA, May 6–10, 2016.
51. Tang M, Li Y, Schallhorn J, Chamberlain W, Huang D. An OCT-based comprehensive classification system of corneal shape irregularities. Association for Research in Vision & Ophthalmology Annual Meeting, Baltimore, MD, May 7-11, 2017.