Yan Li, PhD

Date: October 2022

CURRICULUM VITAE

A. **Personal Information**:

Business Address	Oregon Health & Science University Casey Eye Institute 515 SW Campus Dr. Portland, OR 97239-4197
Business Phone	503-494-6394
Cell Phone	216-832-2968
E-Mail Address	liyan@ohsu.edu

B. **Education**:

College	Biomedical Engineering, Zhejiang University, China, B.S., 1998 June
Graduate School	Biomedical Engineering, Zhejiang University, China, M.S., 2000 July Biomedical Engineering, Case Western Reserve University, Cleveland, OH, Ph.D, 2008 August

C. **Professional Background**:

Academic appointments

Research Lab Specialist, University of Southern California, Los Angeles, CA, 2005- 2008 August

Senior Research Associate, University of Southern California, Los Angeles, CA, 2008 August – 2010 August

Research Assistant Professor, Oregon Health & Science University, Portland, OR, 2010 September – 2020 June

Research Associate Professor, Oregon Health & Science University, Portland, OR, 2020 July – 2022 June

Associate Professor, Oregon Health & Science University, Portland, OR, 2022 July - present

Professional Services

Editorial Board Membership

Review Editor, Editorial Board of Pathology, *Frontiers in Medicine*, 2021-present

Associate Editor, Editorial Board of Ophthalmology, *Frontiers in Medicine*, 2022-present

Journal Reviewer

Biomedical Optics Express

Journal of Biomedical Optics
Optics Express
Applied Optics
Ophthalmology
American Journal of Ophthalmology
British Journal of Ophthalmology
Investigative Ophthalmology and Visual Science
Journal of Cataract and Refractive Surgery
Journal of Refractive Surgery
Ophthalmic Surgery, Lasers & Imaging
The Ocular Surface
Medical Engineering & Physics
Scientific Reports
Translational Vision Science & Technology

Conferences

Moderator, Innovations in Imaging, Association for Research in Vision & Ophthalmology Annual Meeting, Honolulu, HI, April 29 - May 3, 2018

Judge, ARVO Members-in-Training Outstanding Poster Competition, Association for Research in Vision and Ophthalmology Annual Meeting, May 1-4 in person Denver CO, May 11-12 virtual, 2022.

Member, ARVO Annual Meeting Program Committee (AMPC) CO section, 2022-2025.

D. Society Memberships

National

ARVO-The Association for Research on Vision and Ophthalmology, 2001-present.
SPIE-The International Society for Optics and Photonics, 2020-present.

F. Research Activities

Major Areas of Research Interest

Optical coherence tomography (OCT)
OCT angiography
Medical image processing
Refractive surgery
Keratoconus
Dry eye
Uveitis
Corneal topography
Laser-assisted corneal transplantation
Glaucoma
Image guided surgical intervention

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PATENTS

1. Huang D, Tan O, Li Y, "Method and apparatus for measuring a retinal sublayer characteristic" U.S. patent No. 7,347,548, issued March 25, 2008, expires May 2023.
2. Huang D, Li Y, Tan O, Tang M, "Methods and systems to measure corneal epithelial thickness and power, stromal thickness, subepithelial corneal power and topography for disease diagnosis" U.S. patent No. US9655512B2, issued May 23, 2017, expires July 2035.
3. Huang D, Li Y, Wu W, Duan H, "Non-invasive 3-D imaging and measuring of anterior chamber angle of the eye" U.S. patent No. US957979016B2, issued February 28, 2017, expires June 2033.
4. Huang D, Li Y, Rose-Nussbaumer J, Rosenbaum JT, "Aqueous cell differentiation in anterior uveitis using optical coherence tomography", U.S. Patent No. 9918627, issued March 20, 2018, expires May 2035.
5. Jia Y, Huang D, Li Y, Camino A. Bulk motion subtraction in optical coherence tomography angiography. OHSU Tech 2447. US Patent No. 10588572, issued March 17, 2020, expires July 2038.
6. Tang M, Li Y, Huang D. Diagnostic Classification of Corneal Shape Abnormalities. U.S. US Patent No. 11471045, issued October 18, 2022, expires June 2036.

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1. Huang D, Song J, Li Y, Tang M, "Method and apparatus to guide laser corneal surgery with optical measurement" US patent application US 11/757,195. June 1, 2007

PEER REVIEW ARTICLES

1. Huang D, Li Y, Radhakrishnan S. Optical coherence tomography of the anterior segment of the eye. *Ophthalmol Clin North Am* 2004;17:1-6.
2. Goldsmith JA, Li Y, Chalita MR, Westphal V, Patil CA, Rollins AM, Izatt JA, Huang D. Anterior chamber width measurement by high-speed optical coherence tomography. *Ophthalmology* 2005;112:238-44.
3. Chalita, MR, Li Y, Smith S, Patil C, Westphal V, Rollins AM, Izatt JA, Huang D. High-speed optical coherence tomography of laser iridotomy. *Am J Ophthalmol* 2005;140:1133-6.
4. Li Y, Shekhar R, Huang D, Corneal pachymetry mapping with high-speed optical coherence tomography. *Ophthalmology* 2006;113:792-9.
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6. Tang M, Li Y, Avila M, Huang D. Measurement of total corneal power before and after laser in situ keratomileusis with high-speed optical coherence tomography. *J Cataract Refract Surg* 2006;32:1843-50.

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11. Khurana RN, Li Y, Tang M, Lai MM, Huang D. High-speed optical coherence tomography of corneal opacities. *Ophthalmology* 2007;114:1278-85.
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BOOK CHAPTERS

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3. Huang D, Li Y, Radhakrishnan S, Chalita MR. Corneal and anterior segment optical coherence tomography. in *Optical Coherence Tomography of Ocular Diseases*, 2nd Edition, Schuman JS, Puliafito CA, Fujimoto JG, editors. Thorofare, NJ: SLACK, Inc.; 2004:663-673.
4. Li Y, Huang D. Keratoconus screening. in *Anterior Segment Optical Coherence Tomography*. Steinert RF, Huang D, editors. Thorofare, NJ: SLACK; 2008:11-20.
5. Radhakrishnan S, Li Y, Huang D. Quantitative measurement of the anterior chamber angle with optical coherence tomography. in *Anterior Segment Optical Coherence Tomography*. Steinert RF, Huang D, editors. Thorofare, NJ: SLACK; 2008:109-115.

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16. Huang D, Li Y, Jia Y. Corneal and anterior segment OCT angiography. In Lumbroso B, Huang D, Chen CJ, Jia Y, et al., eds. Clinical OCT Angiography Atlas. Jaypee Brothers Medical Pub., 1st edition. 2015.
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18. Li Y, Skalet AH, Jia Y, Huang D. Cross-sectional and en face visualization of normal anterior eye circulations. In Huang D, Lumbroso B, Jia Y, Waheed N, eds. OCT Angiography of the Eye. SLACK Inc. 2017.
19. Chamberlain W, Nanji AA, Huang D, Li Y. Corneal neovascularization. In Huang D, Lumbroso B, Jia Y, Waheed N, eds. OCT Angiography of the Eye. SLACK Inc. 2017.

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26. Li Y, Huang D, Jia Y. Corneal and anterior segment OCT angiography. In Lumbroso B, Rispoli M eds. Clinical OCT Angiography Atlas. Jaypee Brothers Medical Pub., 2nd edition. 2021.

ABSTRACTS

1. Y Li, R Shekhar, D Huang, "Corneal anatomic changes after LASIK measured by Arc-Scanning optical coherence tomography and ultrasonic pachymeter" Association for Research in Vision and Ophthalmology meeting, Ft Lauderdale, FL, May 2002, *Invest Ophthalmol Vis Sci*, Supplement 2002;43:Abstract#153.
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