Stanford

Theodore Leng, MD, MS, FACS

Professor of Ophthalmology (Ophthalmology Research/Clinical Trials) and, by courtesy, of Anesthesiology, Perioperative and Pain Medicine (MSD)

NIH Biosketch available Online

CLINICAL OFFICE (PRIMARY)

- **Stanford Byers Eye Institute**

  2452 Watson Ct

  Palo Alto, CA 94303

  Tel (650) 723-6995 **Fax** (650) 725-6619

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

  Sara Horca - Administrative Associate IV

  Email shorca@stanford.edu

  Tel 650-497-1182

Bio

BIO

Dr. Leng is considered to be one of the top 150 worldwide leading innovators in the field of medical and surgical retina and serves the Department of Ophthalmology as both the Director of Clinical and Translational Research and the Director of Ophthalmic Diagnostics. He also serves the broader Stanford Health Care community as the Medical Informatics Director for Ambulatory Specialties, helping to integrate technology and AI solutions to advance clinical care.

As a board-certified ophthalmologist and fellowship-trained vitreoretinal surgeon, Dr. Leng uses the latest techniques and small-incisional sutureless technology to minimize patient discomfort and maximize functional outcomes. He is committed to bringing the highest level of patient-centered care for all types of retinal conditions.

BIOGRAPHY

Theodore Leng, MD, MS, FACS received his AB in Philosophy and BS in Biological Sciences from Stanford University, graduating with Departmental Honors. He received his Masters of Science in Biological Sciences from Stanford University while conducting biophysics and electrophysiology research at the Hopkins Marine Station in Pacific Grove, CA on cellular ion membrane channels. Dr. Leng received his medical degree from the Stanford University School of Medicine, during which he completed a Howard Hughes Medical Institute Research Training Fellowship and helped to establish the world's first ophthalmic tissue engineering laboratory.

Dr. Leng completed his ophthalmology residency at Bascom Palmer Eye Institute, the highest ranked eye hospital and residency training program in the country. He was awarded the Heed Fellowship, the most prestigious national award for ophthalmologists entering a career in academic medicine. Dr. Leng returned to Stanford University to complete a fellowship in vitreoretinal diseases and surgery and was awarded the Paul Kayser International Travel Scholarship to work in Santiago, Chile. He has been a full-time faculty member of the Stanford University Department of Ophthalmology since

2010 and has been named one of “America’s Top Ophthalmologists” by the Consumers’ Research Council of America and is a Castle Connolly "Top Doctor."

In addition to his clinical practice, Dr. Leng has a vibrant clinical and basic science research program and has published over 200 peer-reviewed scientific manuscripts, book chapters and abstracts. He is frequently invited to speak at national and international meetings. Dr. Leng serves as the Associate Editor of the peer-reviewed journal, Ophthalmic Surgery Lasers & Imaging Retina.

Dr. Leng is a Fellow of the American Academy of Ophthalmology, the American College of Surgeons, and the American Society of Retina Specialists. He is also a member of the Association for Research in Vision and Ophthalmology, the Retina Society, the Macula Society, the Vit-Buckle Society, and is a founding board member of the Digital Ophthalmic Society. He volunteers his time as a Command Pilot for the Angel Flight West organization. Dr. Leng has served as the President of the Stanford Medicine Alumni Association to support its mission of reaching, inspiring, serving and engaging over 26,000 Stanford Medicine alumni.

CLINICAL FOCUS

- Macular Degeneration, Diabetic Retinopathy, Retinal Vascular Disease, Retinal Detachment
- Macular Edema, Macular Hole, Epiretinal Membrane
- Branch and Central Retinal Vein Occlusion, Macular Pucker
- Retina Specialist

ACADEMIC APPOINTMENTS

- Professor-Univ Med Line, Ophthalmology
- Professor-Univ Med Line (By courtesy), Anesthesiology, Perioperative and Pain Medicine
- Member, Bio-X
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Medical Informatics Director, Ambulatory Specialties, Stanford Health Care, (2023- present)
- Director, Clinical and Translational Research, (2015- present)
- Co-Founder and Co-Chair, Ophthalmic Artificial Intelligence Summit, (2021- present)
- Member, Ophthalmology Department Wellness Committee, (2022- present)
- Director, Ophthalmic Diagnostics, (2010- present)
- Founder and Medical Director, Stanford Ophthalmic Reading Center (STARC), (2016- present)
- Member, Stanford EPIC Provider SuperUser Network (SUN), (2016- present)
- IT Physician Advocate, Stanford Health Care, (2015- present)
- Ophthalmology Department Liaison, Stanford Health Care Main Operating Rooms, (2013-2017)

HONORS AND AWARDS

- Top Doctor, Castle Connolly (2017 - 2026)
- Top AAPI Doctors, Castle Connolly (2024 - 2025)
- Best of Palo Alto, Ophthalmologists, Palo Alto Business Award Program (2019, 2024)
- Honor Award, American Society of Retina Specialists (2019)
- Achievement Award, American Academy of Ophthalmology (2017)

- OSN Retina 150, Healio (2016)
- Certificate of Recognition for a Technical Innovation, NASA (2015)
- America's Top Ophthalmologists, Consumers Research Council of America (2012 - 2014)
- Heed Fellowship, Heed Ophthalmic Foundation (2010)
- Mentoring Program in Ophthalmology Scholarship, Annenberg Center for Health Sciences at Eisenhower (2009)
- Paul Kayser International Travel Scholar, Pan-American Ophthalmological Foundation (2009)
- ARVO Travel Award, National Eye Institute (2003)
- Certificate of Recognition for Technical Innovation, NASA (2003)
- Certificate of Recognition for a US Patent, NASA (2003)
- Howard Hughes Medical Institute Research Training Fellowship, Howard Hughes Medical Institute (2003)
- Medical Scientist Research Fellowship, Stanford Medical Scholars Program (2003)
- AMA Travel Award, American Medical Association (2001)
- Baxter Foundation Scholar, Stanford Medical Scholars Program (2001)
- Kolos Scholar, Stanford Medical Scholars Program (2001)
- Award for Excellence in Teaching, Stanford Department of Biological Sciences (2000)
- Firestone Medal for Excellence in Research, Stanford University (1999)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Grant Scientific Review Committee Member, BrightFocus Macular Degeneration Research Foundation (2022 - present)
- Planning Committee Member, American Society of Cataract and Refractive Surgery Digital Subspecialty Day (2022 - present)
- Mentor, American Society of Retina Specialists Underrepresented in Retina Mentorship Program (2022 - present)
- Founding Board Member, Digital Ophthalmic Society (2021 - present)
- Associate Editor, Ophthalmic Surgery, Lasers, and Imaging Retina (2016 - present)
- Editorial Board Member, Journal of Ophthalmology (2013 - 2022)
- Editorial Board Member, Asia-Pacific Journal of Ophthalmology (2019 - 2021)
- President, Stanford Medicine Alumni Association Board of Governors (2015 - 2017)
- Director, Stanford Medicine Alumni Association Board of Governors (2010 - 2020)
- Fellow, American Academy of Ophthalmology (2011 - present)
- Fellow, American College of Surgeons (2012 - present)
- Member, The Retina Society (2014 - present)
- Member, The Macula Society (2016 - present)
- Member, American Society of Retina Specialists (2009 - present)
- Member, Vit-Buckle Society (2012 - present)
- Life Member, Society of Heed Fellows (2012 - present)
- Member, Association for Research in Vision and Ophthalmology (2001 - present)
- Editorial Board Member, Ophthalmic Surgery, Lasers, and Imaging Retina (2012 - present)
- Editorial Board Member, American Society of Retina Specialists Retina Image Bank (2013 - present)
- Editorial Board Member, The Open Ophthalmology Journal (2014 - present)
- Editorial Board Member, Journal of Ophthalmic Research (2013 - present)
- Editorial Board Member, Journal of Clinical & Medical Case Reports (2013 - present)

- Member, Ophthalmology Innovation Network (2012 - present)
- Member, American Academy of Ophthalmology EyeWiki Retina/Vitreous Section Committee (2014 - 2021)
- Medical and Surgical Retina Section Editor, The Eye Handbook (2012 - 2021)
- Member, Howard Hughes Medical Institute Bay Area Alumni Network Steering Committee (2012 - 2021)
- Lead Faculty Member, WebMedCentral (2011 - 2021)
- Contributing Editor, OphthalmologyWeb (2008 - 2021)

PROFESSIONAL EDUCATION

- Residency: Bascom Palmer Eye Institute (2009) FL
- Board Recertification, American Board of Ophthalmology , Ophthalmology (2021)
- Fellowship: Stanford University Retina and Vitreous Fellowship (2010) CA
- Board Certification: Ophthalmology, American Board of Ophthalmology (2010)
- Internship: Huntington Memorial Hospital (2006) CA
- Medical Education: Stanford School of Medicine (2005) CA
- MS, Stanford University , Biological Sciences (2000)
- AB/BS, Stanford University , Philosophy & Biological Sciences (1999)

COMMUNITY AND INTERNATIONAL WORK

- Angel Flight West
- Veterans Airlift Command
- Arbor Free Clinic, Menlo Park
- Haitian Eye Initiative, Cap Haitian, Milot, Thomonde

LINKS

- Leng Research Group: http://med.stanford.edu/leng.html
- LinkedIn: https://www.linkedin.com/in/theodoreleng/
- Twitter: https://twitter.com/tedleng

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Leng was the first surgeon in California to perform a subretinal transplant of adult neural stem cells into patients with macular degeneration and is actively researching cell and gene regenerative therapies for macular degeneration, retinitis pigmentosa, Stargardt disease, and other degenerative conditions of the macula and retina. He also has an active program in imaging informatics, oculomics, and deep learning to identify patients who are at risk for eye and systemic disease. The end goal is earlier detection and rapid treatment to maximize outcomes.

CLINICAL TRIALS

- Suprachoroidal Administration in Subjects With Choroidal Metastasis From Breast or Lung Primary Tumors, Recruiting
- A Phase I Study of Episcleral Dexamethasone for Treatment of Macular Edema, Not Recruiting
- A Study Investigating the Safety and Efficacy of Lampalizumab Intravitreal Injections in Participants With Geographic Atrophy Secondary to Age-Related Macular Degeneration, Not Recruiting
- Efficacy and Safety Study of Squalamine Ophthalmic Solution in Subjects With Neovascular AMD, Not Recruiting
- Endogenous Endophthalmitis in the Inpatient Setting, Not Recruiting

- Episcleral Dexamethasone for Treatment of Macular Edema and Inflammatory Disorders of the Posterior Pole, Not Recruiting
- Long-Term Follow-up Safety Study of Human Central Nervous System Stem Cells in Subjects With Geographic Atrophy of Age-Related Macular Degeneration, Not Recruiting
- Outcomes of Diabetic Macula Edema Patients Switched to Aflibercept From Bevacizumab and/or Ranibizumab, Not Recruiting
- Phase 2/3, Randomized, Double-Masked, Sham-Controlled Trial of QPI-1007 in Subjects With Acute Nonarteritic Anterior Ischemic Optic Neuropathy (NAION), Not Recruiting
- Phase I Study of Episcleral Celecoxib for Treatment of Macular Edema and Inflammatory Disorders of the Posterior Pole, Not Recruiting
- Rates of Apnea in Patients Undergoing Vitreoretinal Surgery, Not Recruiting
- Safety and Efficacy of Abicipar Pegol in Participants With Neovascular Age-related Macular Degeneration, Not Recruiting
- Study Evaluating Intravitreal hI-con1™ in Patients With Choroidal Neovascularization Secondary to Age-related Macular Degeneration, Not Recruiting
- Study of HUCNS-SC Subretinal Transplantation in Subjects With GA of AMD, Not Recruiting
- Study of Human Central Nervous System Stem Cells (HuCNS-SC) in Age-Related Macular Degeneration (AMD), Not Recruiting
- Study of Pegcetacoplan (APL-2) Therapy in Patients With Geographic Atrophy, Not Recruiting

PROJECTS

- Automated Analysis of Retinal OCT Images - Stanford University (2012 - present)

Publications

PUBLICATIONS

- **Artificial Intelligence for Diabetic Retinopathy.** *JAMA ophthalmology*
  Lim, J. I., Leng, T.
  2026

- **Understanding the Geographic Atrophy Journey: Patient and Physician Perspectives to Inform Better Care.** *Ophthalmology and therapy*
  Baker, L., Rahhal, F. M., Gilbert, C. J., Leng, T.
  2026

- **An improved formulation of human neural stem cells for the treatment of geographic atrophy.** *PloS one*
  Arrizabalaga, S. E., Uchida, N., Curtis, A., Tsukamoto, A., Leng, T., Ryals, R. C.
  2026; 21 (8): e0355552

- **A Response to: Letter to the Editor Regarding "Aflibercept 8 mg Versus Faricimab Treat-and-Extend for Diabetic Macular Edema or Neovascular Age-Related Macular Degeneration: A Bayesian Fixed-Effect Network Meta-analysis of Clinical Trials".** *Ophthalmology and therapy*
  Friedman, S. M., Xu, Y., Sherman, S., Kuznik, A., Mojebi, A., Keeping, S., Chan, K., Leng, T., Patel, N.
  2026

- **Summary of Research: Aflibercept 8 mg versus Faricimab Treat#and#Extend for Diabetic Macular Edema or Neovascular Age#Related Macular Degeneration: A Bayesian Fixed#Effect Network Meta#analysis of Clinical Trials.** *Ophthalmology and therapy*
  Friedman, S. M., Xu, Y., Sherman, S., Kuznik, A., Mojebi, A., Keeping, S., Chan, K., Leng, T., Patel, N. A.
  2026

- **Multi-OCT-SelfNet: integrating self-supervised learning with multi-source data fusion for enhanced multi-class retinal disease classification.** *Frontiers in systems biology*
  Jannat, F. E., Gholami, S., Lim, J. I., Leng, T., Alam, M. N., Tabkhi, H.
  2026; 6: 1717398

- **Semaglutide and Neovascular Age-Related Macular Degeneration Among Adults with Type 2 Diabetes: An OHDSI Network Study.** *Ophthalmology*
  Cai, C. X., Toy, B., Martin, B., Fan, R., Westlund, E., Tran, D., Nishimura, A., Lee, H., Leng, T., Nagy, P., Mathioudakis, N., Zhang, L., Hribar, et al
  2026

- **A Simplified Classification for Age-Related Macular Degeneration Based on Optical Coherence Tomography.** *Ophthalmic surgery, lasers & imaging retina*
  Yeh, T. C., Lin, J. B., Mruthyunjaya, P., Leng, T., DeBoer, C., Sepah, Y. J., Almeida, D. R., Smith, S., Mahajan, V. B.
  2026: 1-7

- **A Matching-Adjusted Comparison of Faricimab and Aflibercept 8 mg in Neovascular Age-Related Macular Degeneration and Diabetic Macular Edema.** *Ophthalmic research*
  Lim, J. I., Leng, T., Siedlecki, J., Lupidi, M., Wells, J. A., Keane, P. A., Nudleman, E., Mar, F., Gibson, K., Margaron, P., Tabano, D., Bührer, C., Holekamp, et al
  2026; 69 (1): 213-219

- **Correction: Aflibercept 8 mg versus Faricimab Treat-and-Extend for Diabetic Macular Edema or Neovascular Age-Related Macular Degeneration: A Bayesian Fixed-Effect Network Meta-analysis of Clinical Trials.** *Ophthalmology and therapy*
  Friedman, S. M., Xu, Y., Sherman, S., Kuznik, A., Mojebi, A., Keeping, S., Chan, K., Leng, T., Patel, N.
  2026

- **A Simplified Classification for Age-Related Macular Degeneration Based on Optical Coherence Tomography.** *medRxiv : the preprint server for health sciences*
  Yeh, T. C., Lin, J. B., Mruthyunjaya, P., Leng, T., DeBoer, C., Sepah, Y. J., Almeida, D. R., Smith, S., Mahajan, V. B.
  2026

- **One-year Real-world Outcomes With Faricimab in Neovascular Age-related Macular Degeneration.** *Ophthalmic surgery, lasers & imaging retina*
  Tabano, D. C., Ali, F. S., Borkar, D. S., Leng, T., Ahmed, A., Ko, S., Myrick, A., Zwick, E., Downey, A., Barteselli, G., Singh, R. P.
  2026: 1-9

- **Federated Learning for Multi-Disease Ophthalmic Diagnostics Using OCT Angiography.** *Ophthalmology science*
  Nabil, A. S., Gholami, S., Leng, T., Lim, J. I., Alam, M. N.
  2026; 6 (3): 101030

- **Longitudinal Validation of the Artificial Intelligence Algorithm in Home OCT for Age-Related Macular Degeneration—Report 3** *OPHTHALMOLOGY SCIENCE*
  Leng, T., Leung, E. H., Mukkamala, S., Taban, M. R., Havilio, M., Nahen, K., Mohan, N., Benyamini, G., Keenan, T. D. L.
  2026; 6 (2)

- **Longitudinal Validation of the Artificial Intelligence Algorithm in Home OCT for Age-Related Macular Degeneration-Report 3.** *Ophthalmology science*
  Leng, T., Leung, E. H., Mukkamala, S. K., Taban, M. R., Havilio, M., Nahen, K., Mohan, N., Benyamini, G., Keenan, T. D.
  2026; 6 (2): 100907

- **A Framework for Healthcare from the Eye: Oculomics as a Powerful Window to Systemic Health.** *Ophthalmology*
  Weinreb, R. N., Keane, P. A., Cooley, A., Chaglasian, M., Lee, A. Y., McConnell, M. V., Leng, T., Hashemi, Z., Ferrara, D., Rhew, D.
  2026

- **OCT to OCTA translation using Brownian Bridge diffusion model**
  Badhon, R., Thompson, A., Lim, J. I., Leng, T., Alam, M.
  edited by Hammer, D. X., Nankivil, D., Tao, Y. K.
  SPIE-INT SOC OPTICAL ENGINEERING.2026

- **Anatomically guided vision-language model for efficient OCT disease classification and reporting**
  Haghighi, T., Gholami, S., Sokol, J., Biswas, A., Lim, J. I., Leng, T., Thompson, A. C., Tabkhi, H., Alam, M.
  edited by Hammer, D. X., Nankivil, D., Tao, Y. K.
  SPIE-INT SOC OPTICAL ENGINEERING.2026

- **GlaucomaVLM: A Domain-Specific Vision-Language Model for Glaucoma**
  Nabil, A., Thompson, A., Lim, J. I., Leng, T., Alam, M.
  edited by Hammer, D. X., Nankivil, D., Tao, Y. K.
  SPIE-INT SOC OPTICAL ENGINEERING.2026

- **FedSim - Foundational Federated Multi-task Learning for Ophthalmic Diagnostics**

Gholami, S., Ali, A., Kamanda, H., Haghighi, T., Ong, S., Lim, J. I., Leng, T., Arafa, A., Alam, M.
edited by Hammer, D. X., Nankivil, D., Tao, Y. K.
SPIE-INT SOC OPTICAL ENGINEERING.2026

- **Compact vision language models enable efficient and interpretable optical coherence tomography through layer-specific multimodal learning.** *Communications medicine*
  Haghighi, T., Gholami, S., Sokol, J. T., Biswas, A., Lim, J. I., Leng, T., Thompson, A. C., Tabkhi, H., Alam, M. N.
  2025
- **Diffusion model based OCT to OCTA translation.** *Frontiers in medicine*
  Badhon, R. H., Thompson, A. C., Lim, J. I., Leng, T., Alam, M. N.
  2025; 12: 1655453
- **Semaglutide and diabetic retinopathy: an OHDSI network study.** *BMJ open diabetes research & care*
  Cai, C. X., Nishimura, A., Baxter, S., Goetz, K., Hribar, M., Toy, B., Barkmeier, A., Wang, S., Swaminathan, S., Flowers, A., Brown, E., Xu, B., Chen, et al
  2025; 13 (6)
- **One-year Real-world Outcomes and Durability With Faricimab in Patients With Diabetic Macular Edema.** *Ophthalmic surgery, lasers & imaging retina*
  Singh, R. P., Tabano, D. C., Borkar, D. S., Ali, F. S., Ahmed, A., Myrick, A., Zwick, E., Downey, A., Barteselli, G., Leng, T.
  2025: 1-9
- **Assessing and monitoring abnormal retinal blood circulation for early detection of pre-structural damage and enhanced diabetic retinopathy staging using non-invasive, high-resolution biophotonic imaging technology.** *Eye (London, England)*
  Basiri, A., Luo, C., Shokoohi-Yekta, M., Leng, T., Taheri, H., Jan Noordmans, H., Bryan, J., Soheilypour, M., Amiri, P., Or, C., Hung, J. H., ElHassan, A. A., Dong Nguyen, et al
  2025
- **Aflibercept 8 mg versus Faricimab Treat-and-Extend for Diabetic Macular Edema or Neovascular Age-Related Macular Degeneration: A Bayesian Fixed-Effect Network Meta-analysis of Clinical Trials.** *Ophthalmology and therapy*
  Friedman, S. M., Xu, Y., Sherman, S., Kuznik, A., Mojebi, A., Keeping, S., Chan, K., Leng, T., Patel, N.
  2025
- **Code-Free Machine Learning for the Detection of Common Ophthalmic Diseases.** *Translational vision science & technology*
  Lin, T., Leng, T.
  2025; 14 (9): 16
- **Compact Vision-Language Models Enable Efficient and Interpretable Automated OCT Analysis Through Layer Specific Multimodal Learning.** *bioRxiv : the preprint server for biology*
  Haghighi, T., Gholami, S., Sokol, J. T., Lim, J. I., Leng, T., Thompson, A. C., Tabkhi, H., Alam, M. N.
  2025
- **EYE-Llama, an in-domain large language model for ophthalmology.** *iScience*
  Haghighi, T., Gholami, S., Sokol, J. T., Kishnani, E., Ahsaniyan, A., Rahmanian, H., Hedayati, F., Leng, T., Alam, M. N.
  2025; 28 (7): 112984
- **Two-year real-world clinical outcomes in patients with diabetic macular edema treated with faricimab in the US: The FARETINA-DME study**
  Singh, R. P., Zwick, E., Bonine, N., Leng, T., Ko, S., Shaia, J., Ali, F. S., Borkar, D.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Federated collaboration for training and validation of a deep learning model for retinal disease classification in OCT images**
  Thakoor, K., Luthra, A., Alam, M., Lau, W., Mahesh, A., Leng, T.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **A vision-language model to generate high-quality OCT images from text prompts**
  Haghighi, T., Gholami, S., Nabil, A., Lim, J., Leng, T., Thompson, A. C., Alam, M.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Diffusion-based foundational model for multi-disease ophthalmic diagnosis**
  Gholami, S., Jannat, F., Haghighi, T., Ong, S., Tabkhivayghan, H., Lim, J., Leng, T., Alam, M.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025

- **Early insights from real-world use of aflibercept 8 mg among eyes with neovascular age-related macular degeneration (nAMD) switching from other anti-VEGF agents**
  Leng, T., Sherman, S., Murdock, D., Moll, K., Boucher, N., Mehta, N., Javaheri, M., Borkar, D., Singh, R. P., Ali, F. S.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Diffusion Based OCT to OCTA Translation**
  Badhon, R., Gholami, S., Thompson, A. C., Lim, J., Leng, T., Alam, M.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Two-year real-world clinical outcomes in patients with neovascular age-related macular degeneration treated with faricimab in the US: The FARETINA-nAMD study**
  Borkar, D. S., Ali, F. S., Zwick, E., Bonine, N., Leng, T., Ko, S., Shaia, J., Singh, R. P.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Indirect comparison of the relative effectiveness of faricimab vs aflibercept 8 mg in DME and nAMD**
  Nudleman, E., Keane, P., Holekamp, N., Leng, T., Siedlecki, J., Mar, F., Gibson, K., Margaron, P., Paulo, T., Buehrer, C., Tabano, D.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Early real-world use of aflibercept 8 mg in treatment-naive patients with neovascular age-related macular degeneration**
  Ali, F. S., Sherman, S., Murdock, D., Moll, K., Boucher, N., Mehta, N., Javaheri, M., Borkar, D., Leng, T., Singh, R.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Development of Potent Bispecific Inhibitors Targeting Complement Pathways and Cytokines for the Treatment of Geographic Atrophy**
  Cho, C., Kwong, J., Shen, Y., Prasad, N., Lin, J., Purchel, A., Song, K., Liu, L., Leng, T., Liang, H., Chang, D., Perlroth, D., Correa, et al
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Unveiling an Uncharted Retinal Landscape: OCT-Guided Microperimetry Reveals Previously Undetected Sensitivity Patterns in Geographic Atrophy and iAMD**
  Sepah, Y., Ahmed, M. I., Janjua, K., Halim, M., Shaik, M., Yamaguchi, T., Esmaeelpour, M., Leng, T., Do, D., Yucel, H., Campigotto, M.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Early insights from real-world use of aflibercept 8 mg among eyes with diabetic macular edema (DME) switching from other anti-VEGF agents**
  Javaheri, M., Sherman, S., Moll, K., Murdock, D., Boucher, N., Singh, R. P., Ali, F. S., Borkar, D., Leng, T., Mehta, N.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Longitudinal Analysis of Choriocapillaris Flow Voids in Intermediate Age-Related Macular Degeneration and Geographic Atrophy**
  Janjua, K., Shaik, M., Hung, J., Ahmed, M. I., Halim, M., Baluyot, S., Guzman, H., Yamaguchi, T., Esmaeelpour, M., Leng, T., Do, D., Yucel, H., Sepah, et al
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Early insights on the real-world use of aflibercept 8 mg among treatment-naive eyes with diabetic macular edema**
  Mehta, N., Sherman, S., Moll, K., Murdock, D., Boucher, N., Singh, R. P., Ali, F. S., Borkar, D., Leng, T., Javaheri, M.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Early Outcomes After Initiation of Faricimab for Neovascular Age-Related Macular Degeneration** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
  Ali, F. S., Tabano, D. C., Borkar, D. S., Leng, T., Garmo, V., Ahmed, A., Myers, R., Shaia, J. K., Barteselli, G., Singh, R. P.
  2025: 1-10
- **Early Outcomes After Initiation of Faricimab in Patients With Diabetic Macular Edema** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
  Borkar, D. S., Tabano, D. C., Ali, F. S., Leng, T., Garmo, V., Ahmed, A., Myers, R., Shaia, J. K., Barteselli, G., Singh, R. P.
  2025: 1-9
- **Application of Artificial Intelligence to Deliver Healthcare From the Eye.** *JAMA ophthalmology*
  Weinreb, R. N., Lee, A. Y., Baxter, S. L., Lee, R. W., Leng, T., McConnell, M. V., El-Nimri, N. W., Rhew, D. C.
  2025

- **Targeted Interventions Lead to Quality Improvement in Year 2 of an Artificial Intelligence-Based Diabetic Retinopathy Detection Program in Northern California.** *Retina (Philadelphia, Pa.)*
  Chen, K. M., Zhao, C. S., Knapp, A., Dow, E., Phadke, A., Tan, M., Desai, K., Or, C., Mahajan, V., Do, D. V., Mruthyunjaya, P., Leng, T., Myung, et al
  2025
- **Using blood biomarkers and ophthalmological indicators of optical coherence tomography and angiography for the diagnosis of fundus lesions in patients with diabetes mellitus.** *Frontiers in clinical diabetes and healthcare*
  Huang, F., Yu, M., Huang, L., Wang, R. K., Leng, T., Wang, S. Y., Liao, Y. J.
  2025; 6: 1499344
- **Semaglutide and Nonarteritic Anterior Ischemic Optic Neuropathy.** *JAMA ophthalmology*
  Cai, C. X., Hribar, M., Baxter, S., Goetz, K., Swaminathan, S. S., Flowers, A., Brown, E. N., Toy, B., Xu, B., Chen, J., Chen, A., Wang, S., Lee, et al
  2025
- **Distributed training of foundation models for ophthalmic diagnosis.** *Communications engineering*
  Gholami, S., Jannat, F. E., Thompson, A. C., Ong, S. S., Lim, J. I., Leng, T., Tabkhivayghan, H., Alam, M. N.
  2025; 4 (1): 6
- **Denoising Diffusion Probabilistic Models for Classifying Ophthalmic Disease**
  Gholami, S., Jannat, F., Haghighi, T., Thompson, A., Ong, S., Lim, J. I., Leng, T., Tabkhivayghan, H., Alam, M.
  edited by Nankivil, D., Tao, Y. K., Hammer, D. X.
  SPIE-INT SOC OPTICAL ENGINEERING.2025
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PRESENTATIONS

- 06/2023 - 4th Stephen Fichman Lecturer at McGill University Ophthalmology Day - McGill University
- 10/2020 - University of Illinois Chicago Ophthalmology Symposium - University of Illinois Chicago
- 09/2020 - University of California Irvine CIRM Meeting - University of California Irvine
- 03/2019 - Emory University Translational Science Symposium - Emory University

- 03/2019 - Visiting Professor at Emory University - Emory University
- 01/2019 - Visiting Professor at Baylor University - Baylor University
- 01/2019 - Houston Ophthalmological Society - Houston Ophthalmological Society
- 01/2019 - Visiting Professor at University of Texas Houston - University of Texas Houston
- 01/2019 - Visiting Professor at University of Texas Medical Branch - University of Texas Medical Branch
- 12/2018 - Visiting Professor at Duke University - Duke University
- 07/2016 - Japan Ocular Circulation Society - Japan Ocular Circulation Society
- 06/2016 - Stanford University Entrepreneurship in Medicine and Engineering: Envisioning Future Technologies in Health and Engineering - Stanford Univesity
- 05/2016 - Peninsula Eye Society - Peninsula Eye Society
- 06/2011 - 5th Annual Stanford Ophthalmology Day - Stanford University
- 06/2011 - 47th Annual Residents' Days at Bascom Palmer Eye Institute - University of Miami Bascom Palmer Eye Institute
- 11/2008 - Siriraj Hospital Department of Ophthalmology Grand Rounds - Siriraj Hospital