

BIOGRAPHICAL SKETCH

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NAME: Leng, Theodore

eRA COMMONS USER NAME (credential, e.g., agency login): LENG.THEODORE

POSITION TITLE: Professor of Ophthalmology

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE (if applicable)	END DATE MM/YYYY	FIELD OF STUDY
Stanford University, Stanford, CA	AB/BS	06/1999	Philosophy and Biological Sciences
Stanford University, Stanford, CA	MS	03/2000	Biological Sciences
Stanford University School of Medicine, Stanford, CA	MD	06/2005	Medicine
Bascom Palmer Eye Institute / University of Miami / Jackson Memorial Health, Miami, FL	Resident	07/2009	Ophthalmology
Stanford University School of Medicine, Stanford, CA	Fellowship	07/2010	Vitreoretinal Diseases and Surgery

A. Personal Statement

I have the expertise, leadership, training, expertise and motivation necessary to support the proposed research project. As an ophthalmologist with specific training in vitreoretinal diseases and surgery, I have extensive experience diagnosing and treating patients with macular degeneration, diabetic retinopathy, and other vitreoretinal diseases. I also have extensive experience working with machine learning and large language models. Additionally, I have experience managing research grants, conducting translational clinical trials and managing personnel. I have successfully administered multiple projects (e.g. staffing, research protections, budget) and collaborated with other researchers. My current research involves translational stem cell research to treat diseases that cause degradation of the retinal pigment epithelium (RPE). I also explore the intersection of generative artificial intelligence and medical care.

B. Positions, Scientific Appointments and Honors**Positions and Scientific Appointments**

2023 - Medical Informatics Director, Ambulatory Specialties, Stanford Health Care, Stanford, CA
 2015 - Director, Clinical and Translational Research, Stanford University School of Medicine, Department of Ophthalmology, Palo Alto, CA
 2010 - Professor of Ophthalmology, Byers Eye Institute at Stanford, Stanford University School of Medicine, Palo Alto, CA

Honors

2017 - 2025 Top Doctor, Castle Connolly
 2019 Honor Award, American Society of Retina Specialists
 2017 Achievement Award, American Academy of Ophthalmology
 2015 Certificate of Recognition, NASA
 2003 Certificate of Recognition, NASA
 2003 Research Training Fellowship, Howard Hughes Medical Institute
 2003 ARVO Travel Award, National Eye Institute
 2001 Travel Award, American Medical Association
 2000 Award for Excellence in Teaching, Stanford Department of Biological Sciences

1999

Firestone Medal for Excellence in Research, Stanford University

C. Contribution to Science

Complete List of Published Work in My Bibliography:

<https://www.ncbi.nlm.nih.gov/myncbi/theodore.leng.1/bibliography/public/>