

**CURRICULUM VITAE**  
**The Johns Hopkins University School of Medicine**

Name: Lee W. Guo O.D., F.A.A.O.

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**DEMOGRAPHIC AND PERSONAL INFORMATION**

**Current Appointments**

- **2020-present:**
  - Assistant Professor and Dry Eye & Rehabilitative Contact Lens specialty provider - Wilmer Eye Institute, Division of Cornea, Cataract, & External Diseases at Johns Hopkins Hospital and Bayview Medical Center
  - Ocular Surface Disease specialist - The Johns Hopkins Jerome L. Greene Sjögren's Syndrome Center at Bayview Medical Center
- **2018-2020:** Instructor and Primary Care Optometry provider - Wilmer Eye Institute, Division of Comprehensive Eye Care at Bel Air, White Marsh, and Bayview Medical Center

**Personal Data**

Johns Hopkins Hospital - Department of Ophthalmology  
Wilmer Eye Institute - Division of Cornea, Cataract, & External Diseases  
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**Education and Training**

- **2006:** Undergraduate Externship in Traditional Chinese Medicine at Yunnan China Provincial Hospital
- **2008:** Bachelor of Science B.S., Computational Biochemistry at the University of Texas at Austin, Austin TX
- **2011:** Internships in Ocular Disease and Pediatric Eye Care at Nova Southeastern University - Glaucoma and Pediatric specialty clinics, Fort Lauderdale FL
- **2012:** Externships in Ocular Disease and Surgical Co-management at Aker Kasten Eye Center, Boca Raton FL and Braverman Eye Center, Hallandale Beach FL
- **2012:** Bachelor of Science B.S., Vision Science at Nova Southeastern University, Fort Lauderdale FL
- **2013:** Doctor of Optometry O.D. at Nova Southeastern University, Fort Lauderdale FL
- **2013-2014:** Residency in Ocular Disease at C.W. Bill Young VA Medical Center, Bay Pines FL
- **2020:** Fellowship in PROSE (Prosthetic Replacement of the Ocular Surface Ecosystem) at BostonSight, Needham MA

**Professional Experience**

- **2013-2014:** Resident OD and on-call provider at C.W. Bill Young VA Medical Center - Bay Pines FL
- **2014-2018:** Staff OD at Vision Care Specialists (OD/MD private practice) - Downtown Denver and Lakewood CO
- **2018-2020:** Instructor at Johns Hopkins Medicine, Wilmer Eye Institute - Baltimore, White Marsh, and Bel Air MD
- **2020-present:** Assistant Professor at Johns Hopkins Medicine, Wilmer Eye Institute - Baltimore MD

**PUBLICATIONS**

Review Articles [RA]

1. **Guo LW**, Akpek EK. The negative effects of dry eye disease on quality of life and visual function. Turk J Med Sci 2020. DOI: 10.3906/sag-2002-143.

**RESEARCH ACTIVITIES**

- **2019-present:**
  - Faculty participant (principal investigator Thomas Grader-Beck M.D.) for Novartis CFZ533/iscalimab, Protocol No. CCFZ533B2201 (TWINSS). A 48-week, 6-arm, randomized, double-blind, placebo-controlled multi center trial to assess the safety and efficacy of multiple CFZ533 doses administered subcutaneously in two distinct populations of patients with Sjögren's Syndrome (TWINSS). IRB00219655, IRB-5.
- **2020-present:**
  - Faculty participant (principal investigator Esen Akpek M.D.) for ICON R668-AD-1884, Observational study of conjunctivitis in the setting of Dupixent® for the treatment for atopic dermatitis.
  - Examining principal investigator (treatment principal investigator Esen Akpek M.D.) for phase IV prospective masked trial. Safety and Efficacy of Dexamethasone Ophthalmic Insert (Dextenza®) in the Management of Clinically Significant Dry Eye.
  - Faculty participant (principal investigator Esen Akpek M.D.) for Novartis observational, case-controlled, clinical trial. Differential Diagnosis of Sjögren's (SS) versus non-Sjögren's Dry Eye.

## CLINICAL ACTIVITIES

### Clinical Focus

In addition to primary care optometry and general ophthalmology, my areas of clinical interest center on dry eye disease, ocular surface rehabilitation, glaucoma, and developmental myopia control. In particular, I am interested in dry eye procedural treatments and innovating novel dry eye screening tools by collecting comprehensive and computational diagnostic data in order to improve and better target treatment modalities that are customized to each patient.

Interdisciplinary co-management with ophthalmology is also of strong interest, especially when all collaborative efforts are focused on rehabilitating ocular surface irregularities, preventing further vision loss from undiagnosed glaucoma, and slowing rapid developmental myopia in children. Reducing the burden of advancing developmental myopia may keep pediatric patients in range of future corneal refractive surgery and decrease their lifetime risk for retinal detachment and other complications secondary to high axial myopia. I am also interested in enhancing the quality of residency education for future doctors of optometry and ophthalmology by creating new opportunities for didactic exposure by broadening every resident's interdisciplinary knowledge base via a multitiered co-management approach, facilitating expanded competence in primary to tertiary levels of patient care.

### Certification

#### Medical, or other state/government licensure

- **2013-present:** Colorado Optometric License, #OPT2987
- **2014-present:** Drug Enforcement Administration (DEA) prescriber registrant
- **2018-present:** Maryland Optometric License, #TA2657

#### Boards, other specialty certification

- **2015:** Fellow, American Board of Optometry (F.A.A.O.)
- **2017:** Board Certification - Diplomate, American Board of Optometry (A.B.O.)

#### Clinical (Service) Responsibilities

- **2013-2014:** Clinical preceptor and attending to 4th year OD externs during VA residency.
- **2017-2018:** Medical director for dry eye specialty clinic at Vision Care Specialists (OD/MD private practice).

## EDUCATIONAL ACTIVITIES

### Teaching

- **2014:** VAMC lecturer to residents and 4th year OD students:
  - “Clinical Applications of Scleral Contact Lenses”
  - “Digoxin Ocular Toxicity”
  - “Review of Pupillary Disorders”

### Classroom instruction

- **2011:** Community outreach 2nd year OD lecturer to staff/student welders at McFatter School of Welding in Fort Lauderdale, FL. “Vision Safety and Welding” and “Radiation and the Eye.”

### Clinical instruction

- **2013-2014:** Patient chart reviews and didactic education for 4th year OD externs, 30% effort.
- **2014-2018:** Ophthalmic technician education and training for new employees at Vision Care Specialists; education modules and didactic clinic training responsibilities split with lead technician and clinic managers, 50% effort.

### CE Course Lecturer (COPE/CME approved)

- **2019 Wilmer Current Concepts & 2016 AAO:** “Pseudoexfoliation Syndrome Beyond the Eye”
- **2019 Wilmer Evidence-Based Care & 2018 AAO:** “Pediatric Meibomian Gland Atrophy”
- **2020 Wilmer Current Concepts & 2019 AAO:** “Dry Eye Disease: Sjögren’s vs Non-Sjögren’s”
- **2020 Wilmer Evidence-Based Care:** “Oral Antibiotics in Primary Care Optometry”

### Case reports

- **2015 AAO fellowship case reports for oral exam:**
  - “Confronting Ocular Trauma”
  - “Infectious Ulcerative Keratoconjunctivitis”
  - “Herpetetic Granulomatous Anterior Uveitis”

## **ORGANIZATIONAL ACTIVITIES**

### **Professional Societies**

- **2013-present:** American Optometric Association (AOA), Member
- **2013-present:** Colorado Optometric Association (COA), Member
- **2015-present:** American Academy of Optometry (AAO), Fellow
- **2017-present:** American Board of Optometry (ABO), Diplomate
- **2019-present:** Maryland Optometric Association (MOA), Member

## **RECOGNITION**

### **Awards, Honors**

- **2011:** Tallahassee State Senate Scholarship, Florida Optometric Association
- **2012:** Dean's List, Nova Southeastern University College of Optometry
- **2013:** William Feinbloom Low Vision Award - Nova Southeastern University College of Optometry
- **2015:** Fellow of the American Academy of Optometry (F.A.A.O.)
- **2017:** Board Certification by the American Board of Optometry (Diplomate A.B.O.)