

# Department of Ophthalmology and Visual Sciences

## Annual Symposium

Friday, April 14, 2023

UAB Callahan Eye Hospital

Smith Education Center, Suite 300

**UAB** CALLAHAN EYE

# Symposium Faculty Speakers

Michael A. Callahan, MD

Brian Samuels, MD, PhD

Christine A. Curcio, PhD

Massimo Fazio, PhD

# UAB Ophthalmology Residents

## Fourth Year

Nathan Fischer, MD  
Brent Hoffman, MD  
Max Musharoff, MD  
Austin Nave, MD  
Lauren Williams, MD

## Third Year

Natalie DeBolske, MD  
Connor Dugan, MD  
Calvin McNelly, MD  
Caleb Rivera, MD  
Tyler Rowsey, MD

## Second Year

Poojitha Balakrishnan, MD, PhD  
Caroline Besley, MD  
Veena Danthuluri, MD  
Malcolm Kates, MD  
Scott McClure, MD

## First Year

Udit Bhavsar, MD  
Morghana Jameson, MD  
Mary Moses, MD  
William Poore, MD  
John Stoffer, MD

# Featured Lecturers

## Alumni Association Lecturer

O'Rese J. Knight, MD  
University of California at  
San Francisco

## Charles Burnham Lecturer

Tamara Fountain, MD  
Rush University Medical Center

## Helen Keller Lecturer

Amani A. Fawzi, MD  
Northwestern University

# Learning Objectives

Upon completion of the UAB Ophthalmology Annual Symposium, the participants will be able to:

- Understand the role of OCT angiography and fluorescein angiography in the management of diabetic retinopathy.
- Recognize the pearls and pitfalls in screening patients for toxicity related to Plaquenil medication.
- Understand the OCT signature of the different white dot syndromes and how to use them for diagnosing these entities.
- Identify the more common causes of misdiagnosis.
- Describe the errors in judgement that lead to delay in diagnosis.
- Explain the practical steps involved in minimizing the chance of missed diagnoses.
- Review current status of the workforce and implication for patient outcomes.
- Identify barriers to entering the ophthalmology workforce.
- Review outcomes of the Rabb-Venable Program.
- Describe potential utility of 24 hours IOP monitoring.
- Review current technology under development.

# Symposium Schedule

## Morning Session

- 6:00 A.M. Continental Breakfast - Exhibits Open
- 6:55 A.M. Welcome
- 7:00 A.M. The Future of Ophthalmology  
Brian Samuels, MD, PhD
- 7:15 A.M. Analgesic Augmentation with 55% Nitrous Oxide for In-Office Bilateral Blepharoplasty Procedures  
Austin Nave, MD
- 7:30 A.M. Charles J Burnham MD Endowed Distinguished Lecture I: Pilots and Physicians, Passengers and Patients--Maintaining Situational Awareness when Stakes are High  
Tamara Fountain, MD
- 8:10 A.M. Ten Reasons Not to Operate  
Michael A. Callahan, MD
- 8:30 A.M. Charles J Burnham MD Endowed Distinguished Lecture II: Man's Best Friend (Until it's Not): Management of Dog Bite Injuries for Ophthalmologists  
Tamara Fountain, MD
- 8:50 A.M. Oculofacial Plastics Roundtable  
Michael A. Callahan, MD, Matthew Vicinanza, MD, Tamara Fountain, MD, John Paul Luckett, MD
- 9:20 A.M. Break / Exhibits / Electronic Poster Viewing
- 9:50 A.M. Differences in Self Reported Resident Perceptions of Burnout Between Night Float and 24 hour Call Schedules  
Lauren Williams, MD
- 10:05 A.M. Outcomes After OMNI Surgical System for Canaloplasty and Trabeculoplasty  
Max Musharoff, MD
- 10:20 A.M. UAB Ophthalmology Alumni Sponsored Lecture I: Diversifying the Ophthalmology Workforce  
O'Rese J. Knight, MD
- 11:00 A.M. Impact on Resident Career Choices of a Split PGY-3 Year Subspecialty Exposure Rotation Schedule  
Brent Hoffman, MD
- 11:15 A.M. Deep Optic Nerve Imaging in Glaucoma  
Massimo Fazio, PhD
- 11:35 A.M. UAB Ophthalmology Alumni Sponsored Lecture II: Update on 24 hour IOP Monitoring  
O'Rese J. Knight, MD
- 11:55 A.M. Glaucoma Roundtable  
O'Rese J. Knight, MD, UAB Glaucoma Faculty
- 12:25 P.M. LUNCH

## Afternoon Session

- 1:00 P.M. Helen Keller Lecture I: Diabetic retinopathy- is OCTA replacing fluorescein angiography?  
Amani A. Fawzi, MD
- 1:20 P.M. OCT Validation from Birth of the EZ to Microconnectomics  
Christine A. Curcio, PhD
- 1:40 P.M. Helen Keller Lecture II: Plaquenil Screening: Pearls and Pitfalls  
Amani A. Fawzi, MD
- 2:00 P.M. Break / Exhibits / Electronic Poster Viewing
- 2:30 P.M. Quantitative Autofluorescence (qAF) is Associated with Early and Intermediate Age-related Macular Degeneration (AMD) in the ALSTAR2 Baseline Cohort  
Nathan Fischer, MD
- 2:45 P.M. Helen Keller Lecture III: Disentangling the White Dot Syndromes with OCT  
Amani A. Fawzi, MD
- 3:05 P.M. Retina Roundtable  
John Mason, MD, Jason Crosson, MD, Amani A. Fawzi, MD
- 3:35 P.M. Closing Remarks and Presentation of Resident Awards  
Russell Read, MD, Krupa Patel, MD
- 5:00 P.M. Social Event at Top Golf

## PGY-2 Poster Presentations

A Lesson on Broad Differentials

Caroline Besley, MD

Purtscher-like Retinopathy Influenza Case

Malcolm Kates, MD

To Be or Not To Be Idiopathic

Poojitha Balakrishnan, MD, PhD

A Series of Unfortunate Events

Veena Danthuluri, MD

NK/T-cell Lymphoma Presenting Like Orbital Cellulitis and Sinus Disease

Scott McClure, MD

# Featured Lecturers



## Helen Keller Lecturer

**Amani A. Fawzi, MD**  
**Professor, Department of Ophthalmology**  
**Cyrus Tang and Lee Jampol Endowed Professorship**  
**Northwestern University**

Amani A. Fawzi, MD, is a vitreoretinal surgeon and clinician-scientist and professor in the Department of Ophthalmology at Northwestern University. She holds the Cyrus Tang and Lee Jampol Endowed Professorship and divides her time between her clinical/surgical practice and her NIH-funded research.

Dr. Fawzi's research spans translational animal models of ischemic retinopathies while her clinical research focuses on functional retinal imaging approaches, including OCT angiography and Adaptive Optics. Recognized for her imaging research, Dr. Fawzi serves on the Editorial Boards of Scientific Reports, Plos One, Retina Journal, and Investigative Ophthalmology and Visual Sciences, as well as serving on NIH study sections. She has authored/coauthored over 200 peer-reviewed articles, has delivered several named Lectureships, and has been elected as member of the Retina, Macula, and American Ophthalmological Societies. She has received the Honor Award of the American Society of Retina Specialists, the Young Investigator Award of the Macula Society, the Secretariat and the Achievement Awards of the American Academy of Ophthalmology and is a Gold Fellow of the Association of Research in Vision and Ophthalmology.



## Alumni Association Sponsored Lecturer

**O'Rese J. Knight, MD**  
**Associate Professor**  
**University of California at San Francisco**

O'Rese J. Knight, MD, is an associate professor of ophthalmology at University of California at San Francisco. He completed medical school at the University of Miami, residency at Case Western Reserve University and a glaucoma fellowship at the University of North Carolina.

He is a board-certified glaucoma specialist who enjoys his relationships with patients and the clinical challenges they present. Dr. Knight's primary research interests include 24-hour intraocular pressure assessment and physician workforce diversity. His work in 24-hour IOP assessment has received grant funding from the National Eye Institute, the American Glaucoma Society, and the University of North Carolina, and he and his team are currently developing a prototype for a wearable IOP monitor.

Additionally, Dr. Knight has worked across many organizations to develop policy, curricula, and mentorship programs facilitating the entry and success of underrepresented trainees into medicine and ophthalmology. He is passionate about mentorship and has worked with trainees across the continuum, from college students to glaucoma fellows. Dr. Knight has been recognized on many occasions for his clinical care, research, and teaching.



## Charles J. Burnham Lecturer

### **Tamara Fountain, MD** **Professor, Section Chair Emeritus of Oculofacial Plastic Surgery** **Rush University Medical Center**

Tamara Fountain, MD, is a professor of ophthalmology at Rush University Medical Center and section chair emeritus of oculofacial plastic surgery. She maintains a private practice near her home on Chicago's North Shore, a day's drive from where she grew up in Minneapolis, Minnesota.

Dr. Fountain graduated with a BA from Stanford University and obtained her MD from Harvard Medical School. After completing residency in ophthalmology at Johns Hopkins' Wilmer Eye Institute, she returned to California for fellowship training in oculoplastic surgery at Doheny Eye Institute/University of Southern California.

Dr. Fountain was appointed to the board of directors of the American Board of Ophthalmology in 2022 and was President of the American Academy of Ophthalmology in 2021. She is past-president of the American Society of Ophthalmic Plastic and Reconstructive Surgery (ASOPRS), where she has received the Robert Kennedy Presidential and Orkan Stasior Leadership Awards for service to the Society.

Dr. Fountain served 15 years with the Ophthalmic Mutual Insurance Company chairing the Audit, Strategic Planning, Risk Management, and Insurance/Marketing committees before being elected Chair of the Board of Directors. She is past-president of the Illinois Society of Eye Physicians and Surgeons and has been involved in programming for the American Ophthalmological Society, Women in Ophthalmology, and the Chicago Ophthalmological Society. She is also a past Alumni Fund Chair for Harvard Medical School.

Outside of medicine, Dr. Fountain is a news and podcast junkie and enjoys traveling with family and speaking at conferences around the world. She plays tennis year-round, and, when Chicago weather permits, she takes long bike rides and gets in a few rounds of golf. Dr. Fountain feels fortunate to have led a life of service to patients as well as to the profession of ophthalmology.

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## CME Accreditation Statement

The University of Alabama School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The University of Alabama School of Medicine designates this live activity for a maximum of *7 AMA PRA Category 1 credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity. UAB is an equal opportunity/affirmative action employer committed to fostering a diverse, equitable, and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of ethnicity, gender, faith, gender identity and expression, and sexual orientation. UAB also encourages applications from veterans and individuals with disabilities.

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