

Visualize 2024: Advances in Ophthalmic Imaging and Research

April 13, 2024

Bascom Palmer Eye Institute

PROGRAM

Subject to Change

All times listed are ET

Saturday, April 13, 2024

7:55 am **Welcome Remarks**
Maura Di Nicola, MD and Luis E. Vazquez, MD, PhD

Session I: Comprehensive Ophthalmology and Neuro-Ophthalmology

Moderator: Swarup S. Swaminathan, MD

8:00 **Use of Whole Eye OCT to Study Mechanisms of Eye Accommodation**
Marco Ruggeri, PhD

8:10 **Imaging in Spaceflight**
Alex Huang, MD, PhD

8:20 **Detection of AD with Macular OCTA**
Hong Jiang, MD, PhD

8:30 **Use of Virtual Reality Visual Fields in Neuro Ophthalmology**
Carlos E. Mendoza Santiesteban, MD

8:40 **Artificial Intelligence in Ophthalmology**
Felipe A. Medeiros, MD, PhD

8:50 **Question and Answer Session**
Alex Huang, MD, PhD; Hong Jiang, MD, PhD; Felipe A. Medeiros, MD, PhD;
Carlos E. Mendoza Santiesteban, MD; Marco Ruggeri, PhD; and Swarup S.
Swaminathan, MD

Session II: Glaucoma

Moderator: David S. Greenfield, MD

9:00 **New Techniques to Visualize and Quantify Erythrocyte Flow in Humans**
Osamah J. Saeedi, MD

9:10 **Use of Euclidian Distance Analysis for Glaucoma OCTA**
Luis E. Vazquez, MD, PhD

9:20 **Cluster Analysis for Early Detection of Glaucoma Progression**
Felipe A. Medeiros, MD, PhD

- 9:30 **Emerging Clinical Biomarkers Using Adaptive Optics - OCT**
Osamah J. Saeedi, MD
- 9:40 **Aqueous Outflow and Relevance to Glaucoma Therapeutics**
Alex Huang, MD, PhD
- 9:50 **Advancing Angle Closure Care Using Ocular Imaging and AI**
Benjamin Y. Xu, MD, PhD
- 10:00 **Ocular Biometry of Non-Asian Primary Angle Closure Disease Patients**
Luis E. Vazquez, MD, PhD
- 10:10 **Identifying High-Risk Angle Closure Suspects Using OCT**
Benjamin Y. Xu, MD, PhD
- 10:20 **Question and Answer Session**
David S. Greenfield, MD; Alex A. Huang, MD, PhD; Felipe A. Medeiros, MD, PhD; Osamah J. Saeedi, MD; Luis E. Vazquez, MD, PhD; and Benjamin Y. Xu, MD, PhD
- 10:30 **Refreshment Break**

Session III: Cornea and Refractive Surgery

Moderator: Victor L. Perez, MD

- 10:50 **Confocal Microscopy for Evaluation of Ocular Surface Disease**
Victor L. Perez, MD
- 11:00 **MRI Findings of Patients with Painful Dry Eyes**
Anat Galor, MD, MSPH
- 11:10 **Advances in OCT for Detection of Conjunctival Tumors**
Carol L. Karp, MD
- 11:20 **Corneal OCT of Keratoconus Patients**
Mohamed F. Abou Shousha, MD, PhD
- 11:30 **Topography/Tomography for Refractive Surgery Screening**
Siamak Zarei-Ghanavati, MD, MSc, FICO
- 11:40 **Advances in IOL Biometry and Lens Calculations**
Kendall E. Donaldson, MD, MS
- 11:50 **Question and Answer Session**
Mohamed F. Abou Shousha, MD, PhD; Kendall E. Donaldson, MD, MS; Anat Galor, MD, MSPH; Carol L. Karp, MD; Victor L. Perez, MD; and Siamak Zarei-Ghanavati, MD, MSc, FICO
- 12:00 pm **Lunch and Poster Presentations**

Session IV: Retina I

Moderator: Philip J. Rosenfeld, MD, PhD

- 1:00 **SS-OCTA Imaging of High-Risk OCT Biomarkers in Intermediate AMD**
Giovanni Gregori, PhD

- 1:10 **Ultrahigh Resolution OCT Imaging of Normal and Pathologic Eyes**
Nadia K. Waheed, MD, MPH

- 1:20 **Precision Medicine in Dry Age-Related Macular Degeneration: Emerging Biomarkers and New Endpoints**
Justis P. Ehlers, MD, FASRS

- 1:30 **OCT Features of Calcifying Drusen**
Philip J. Rosenfeld, MD, PhD

- 1:40 **Vista Imaging Analysis of Diabetic Patients**
Nadia K. Waheed, MD, MPH

- 1:50 **Question and Answer Session**
Justis P. Ehlers, MD, FASRS; Giovanni Gregori, PhD; Philip J. Rosenfeld, MD, PhD; and Nadia K. Waheed, MD, MPH

Session V: Retina II

Moderator: Audina M. Berrocal, MD

- 2:00 **Wide-Field SS-OCTA of Diabetic Retinopathy**
Harry W. Flynn, Jr., MD

- 2:10 **Quantitative Ultra-Widefield Fluorescein Angiography in Diabetic Retinopathy**
Justis P. Ehlers, MD, FASRS

- 2:20 **Artificial Intelligence Adoption in Retinal Imaging**
Louis Z. Cai, MD

- 2:30 **Seeing Is Believing: Navigating the Latest in Imaging and Research**
Delia Cabrera DeBuc, PhD

- 2:40 **Multimodal Imaging for Toxic Retinopathies**
Jaclyn L. Kovach, MD

- 2:50 **Digital Wide-Field Fluorescein Angiography in Pediatric Retinal Diseases**
Audina M. Berrocal, MD

- 3:00 **Applications of OCT Angiography in Pediatric Retina**
Hong-Uyen Hua, MD

- 3:10 **Applications of High-Resolution Ultrasonography**
Luis J. Haddock, MD

3:20 **Question and Answer Session**
Audina M. Berrocal, MD; Delia Cabrera DeBuc, PhD; Louis Z. Cai, MD; Justis P. Ehlers, MD, FASRS; Harry W. Flynn, Jr., MD; Luis J. Haddock, MD; Hong-Uyen Hua, MD; and Jaclyn L. Kovach, MD

3:30 **Refreshment Break**

Session VI: Uveitis

Moderator: Janet L. Davis, MD

3:50 **Anterior Segment OCT for Quantification of Cells in Anterior Uveitis**
Stephanie M. Llop, MD

4:00 **Imaging in Vitreoretinal Lymphoma: New Perspectives**
Elisabetta Miserocchi, MD

4:10 **Redefining White Dot Syndromes Based on Imaging Characteristics**
Janet L. Davis, MD

4:20 **Imaging Update on Inflammatory Choroidal Neovascularization**
Thomas A. Albini, MD

4:30 **Advances in Multimodal Imaging in Posterior Uveitis**
Elisabetta Miserocchi, MD

4:40 **Question and Answer Session**
Thomas A. Albini, MD; Janet L. Davis, MD; Stephanie M. Llop, MD; and Elisabetta Miserocchi, MD

Session VII: Oncology

Moderator: Basil Williams, MD

4:50 **Applications of Retromode Imaging in Melanocytic Lesions**
Maura Di Nicola, MD

5:00 **Pearls and Pitfalls of OCT Angiography in Ocular Oncology**
Basil Williams, MD

5:10 **Multimodal Imaging to Distinguish Benign from Malignant Tumors**
Zelia Correa, MD, PhD

5:20 **Question and Answer Session**
Zelia Correa, MD, PhD; Maura Di Nicola, MD; and Basil Williams, MD

5:30 pm **Adjourn and Cocktail Reception**