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The Edward S. Harkness Eye Institute of Columbia University Medical Center Presents



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CATEGORY 1 CREDITS™ IN 1.5 DAYS**

PRECISION OPHTHALMOLOGY™ 2016

APPLYING SCIENCE TO IMPROVE CARE

DECEMBER 9-10, 2016

**The Vivian and Seymour Milstein Family Heart Center
NewYork-Presbyterian Hospital**

- **Cutting-edge topics in glaucoma, corneal disease, and retinal disease to enhance patient care**
- **Learn about the latest science, technology, and techniques from innovators in ophthalmology**

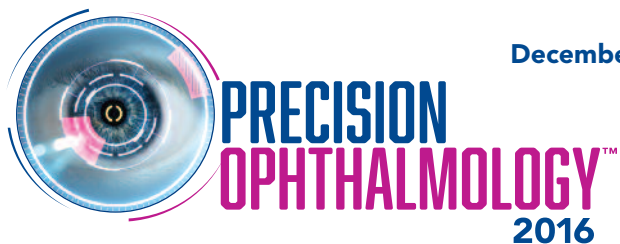


COLUMBIA UNIVERSITY
College of Physicians and Surgeons

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Physicians & Surgeons of Columbia University and MedEdicus LLC*

NewYork-Presbyterian
Columbia University Medical Center
Edward S. Harkness Eye Institute

Celebrating 150 Years of Ophthalmology



December 9 and 10

REGISTER TODAY!

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Dear Colleagues,

Please join us for **Precision Ophthalmology™ 2016**, presented by the Edward S. Harkness Eye Institute of Columbia University Medical Center. This 1.5-day course, held on December 9-10, 2016, is designed as a comprehensive update on innovations in the diagnosis and management of glaucoma, retinal disease, and corneal/anterior segment disease. Receive valuable information that will help improve patient outcomes and your scope of practice in a technique-based forum with ophthalmology innovators. We invite you to register today as space is limited.

Sincerely,



George A. Cioffi, MD

Jean and Richard Deems Professor of Ophthalmology
Edward S. Harkness Professor of Ophthalmology
Chair, Department of Ophthalmology
Columbia University College of Physicians and Surgeons
Ophthalmologist-in-Chief
NewYork-Presbyterian Hospital/Columbia University Medical Center

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Registration fee after October 31 will be \$200

KEYNOTE SPEAKERS AND NAMED LECTURESHIPS



Henry J. Kaplan, MD

Evans Professor of Ophthalmology
Chairman, Department of Ophthalmology
and Visual Sciences
Director, Kentucky Lions Eye Center
University of Louisville
Louisville, Kentucky

**THE ARTHUR GERARD DEVOE, MD, LECTURE: RESCUE OF LOST CONE PHOTORECEPTOR VISION
IN RETINITIS PIGMENTOSA**



Ronald R. Krueger, MD

Professor of Ophthalmology
Medical Director, Department of Refractive Surgery
Cole Eye Institute
Cleveland Clinic
Cleveland, Ohio

THE JOHN H. DUNNINGTON, MD, LECTURE: THE HISTORY AND FUTURE OF LASER VISION CORRECTION



Harry A. Quigley, MD

Professor of Ophthalmology
The Wilmer Eye Institute
The Johns Hopkins Hospital
Baltimore, Maryland

THE MAX FORBES, MD, LECTURE: 21ST CENTURY GLAUCOMA CARE

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**EARLY BIRD REGISTRATION
UNTIL OCTOBER 31, 2016!**

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AGENDA

FRIDAY, DECEMBER 9, 2016

7:00 AM – 8:00 AM Breakfast and Registration
8:00 AM – 8:10 AM Harkness Eye Institute/Department of Ophthalmology Welcome

George A. Cioffi, MD
Jean and Richard Deems Professor of Ophthalmology
Edward S. Harkness Professor of Ophthalmology
Chair, Department of Ophthalmology; Ophthalmologist-in-Chief

GLAUCOMA PROGRAM

8:00 AM Introduction

Jeffrey M. Liebmann, MD

SESSION 1: CONCEPTS IN GLAUCOMA—MODERATORS: DANA BLUMBERG, MD, MPH, AND C. GUSTAVO V. DE MORAES, MD, MPH

8:10 AM – 8:20 AM Modeling Risk in Glaucoma
8:20 AM – 8:30 AM Glaucomatous Damage of the Macula
8:30 AM – 8:40 AM Exfoliation Biology
8:40 AM – 8:50 AM “Big Data” and Glaucoma
8:50 AM – 9:00 AM Is Ocular Perfusion Pressure Really That Important?
9:00 AM – 9:15 AM Panel Discussion: Using New Technology in Daily Practice, Q&A
9:15 AM – 9:45 AM Break and Exhibits

C. Gustavo V. de Moraes, MD, MPH
Donald C. Hood, PhD
Audrey Bernstein, PhD
Dana Blumberg, MD, MPH
Jeffrey M. Liebmann, MD

SESSION 2: INNOVATIVE INTERVENTIONS—MODERATORS: LAMA AL-ASWAD, MD, MPH, AND GEORGE A. CIOFFI, MD

9:45 AM – 9:55 AM Present and Future Medical Management
9:55 AM – 10:05 AM Should SLT Be First-Line Treatment?
10:05 AM – 10:15 AM Trabeculectomy: Express or Not?
10:15 AM – 10:25 AM Things You Can Do With a Goniotomy Knife
10:25 AM – 10:35 AM Diplopia Following Implant Surgery: Why It Occurs and How to Avoid It
10:35 AM – 10:45 AM Cataract “Plus”: Schlemm Canal vs Supraciliary Space
10:45 AM – 10:55 AM Managing the Loose Lens in Exfoliation Syndrome
10:55 AM – 11:25 AM Panel Discussion: Choosing the Correct Glaucoma Surgery for My Patient, Q&A

Janet B. Serle, MD
Celso Tello, MD
Robert D. Fechtner, MD
Steven A. Kane, MD, PhD
Steven E. Brooks, MD
Lama Al-Aswad, MD, MPH
George A. Cioffi, MD

11:25 AM – 11:35 AM *Glaucoma Translational Science Lecture: The Search for Molecular Biomarkers of Glaucoma*
11:35 AM – 11:40 AM Introduction of Max Forbes, MD, Lecturer
11:40 AM – 12:10 PM Max Forbes, MD, Lecture: 21st Century Glaucoma Care
12:10 PM – 12:15 PM Presentation of Max Forbes, MD, Lectureship Gift
12:15 PM – 1:00 PM Lunch and Exhibits

Gülğün Tezel, MD
Jeffrey M. Liebmann, MD
Harry A. Quigley, MD
Dana Blumberg, MD, MPH

RETINA AND UVEITIS PROGRAM

1:00 PM Introduction

Tongalp H. Tezel, MD

SESSION 1: MEDICAL RETINA—MODERATORS: JONATHAN S. CHANG, MD, AND STEPHEN H. TSANG, MD, PHD

1:05 PM – 1:15 PM Seeing the Unseen: New Imaging Techniques
1:15 PM – 1:25 PM New Drugs for the Management of Macular Degeneration and Diabetic Retinopathy
1:25 PM – 1:35 PM Patterns You Shouldn't Miss
1:35 PM – 1:45 PM Update on Gene Treatment
1:45 PM – 2:00 PM Panel Discussion, Q&A
2:00 PM – 2:30 PM Break and Exhibits

Royce W. S. Chen, MD
Jonathan S. Chang, MD
Lawrence Yannuzzi, MD
Stephen H. Tsang, MD, PhD

SESSION 2: SURGICAL RETINA—MODERATORS: TONGALP H. TEZEL, MD, AND STANLEY CHANG, MD

2:30 PM – 2:40 PM	New Gadgets That Make Life Easy in the OR	Ronald Gentile, MD
2:40 PM – 2:50 PM	Is There a Place for Scleral Buckling?	Jason D. Horowitz, MD
2:50 PM – 3:00 PM	Breaking Free From Dogma: ILM Peeling and Face-Down Positioning	Gaetano R. Barile, MD
3:00 PM – 3:10 PM	<i>Retina Translational Science Lecture:</i>	
	What Exactly Happens to the Retina When You Peel the ILM?	Tongalp H. Tezel, MD
3:10 PM – 3:30 PM	Panel Discussion, Q&A	

SESSION 3: UVEITIS—MODERATORS: ROYCE W. S. CHEN, MD, AND BRYAN J. WINN, MD

3:30 PM – 3:40 PM	Update on Molecular Diagnostic Techniques	Royce W. S. Chen, MD
3:40 PM – 3:50 PM	New Bugs on the Block: Zika and Ebola Virus	Srilaxmi Beareilly, MD, MHS
3:50 PM – 4:00 PM	Intraocular and Periocular Inflammation: Should We Be Looking at the Gut Microbiome?	Bryan J. Winn, MD
4:00 PM – 4:10 PM	What Is New in Immunomodulatory Treatment?	Douglas A. Jabs, MD, MBA
4:10 PM – 4:30 PM	Panel Discussion, Q&A	
4:30 PM – 4:35 PM	Introduction of Arthur Gerard DeVoe, MD, Lecturer	Tongalp H. Tezel, MD
4:35 PM – 5:05 PM	Arthur Gerard DeVoe, MD, Lecture: Rescue of Lost Cone Photoreceptor Vision in Retinitis Pigmentosa	Henry J. Kaplan, MD
5:05 PM – 5:10 PM	Presentation of Arthur Gerard DeVoe, MD, Lectureship Gift	Tongalp H. Tezel, MD
5:10 PM – 5:15 PM	Friday Wrap-Up	

SATURDAY, DECEMBER 10, 2016

7:00 AM – 8:00 AM Breakfast

CORNEA/ANTERIOR SEGMENT PROGRAM

8:00 AM Introduction Leejee H. Suh, MD

SESSION 1: DIAGNOSIS, TREATMENT, AND TECHNOLOGY—MODERATORS: LEEJEE H. SUH, MD, AND DANIELLE TRIEF, MD, MSC

8:00 AM – 8:10 AM	Update on Femtosecond-Assisted Cataract Surgery	Leejee H. Suh, MD
8:10 AM – 8:20 AM	Update on Pediatric Corneal Conditions	Danielle Trief, MD, MSc
8:20 AM – 8:30 AM	Tough IOL Calculations	James D. Auran, MD
8:30 AM – 8:40 AM	Protracted Tearing After a Visit to the Ophthalmologist	Bryan J. Winn, MD
8:40 AM – 8:50 AM	Latest in Ocular Surface Management	James D. Auran, MD
8:50 AM – 9:00 AM	High-Resolution Imaging of the Cornea	Ronald H. Silverman, PhD
9:00 AM – 9:30 AM	Panel Discussion, Q&A	
9:30 AM – 9:50 AM	Break and Exhibits	

SESSION 2: INNOVATIVE INTERVENTIONS—MODERATORS: JAMES D. AURAN, MD, AND GEORGE J. FLORAKIS, MD

9:50 AM – 10:00 AM	Collagen Cross-Linking	Leejee H. Suh, MD
10:00 AM – 10:10 AM	Secondary Intraocular Lenses	David Ritterband, MD
10:10 AM – 10:20 AM	Update on Keratoprosthesis	Danielle Trief, MD, MSc
10:20 AM – 10:30 AM	Evolution of Keratoplasty	George J. Florakis, MD
10:30 AM – 10:40 AM	New Methods of Refractive Surgery	Stephen L. Trokel, MD
10:40 AM – 10:50 AM	<i>Cornea Translational Science Lecture:</i>	
	Novel Methods of Corneal Collagen Cross-Linking	David C. Paik, MD
10:50 AM – 11:30 AM	Panel Discussion, Q&A	
11:30 AM – 11:35 AM	Introduction of John H. Dunnington, MD, Lecturer	Leejee H. Suh, MD
11:35 AM – 12:05 PM	John H. Dunnington, MD, Lecture: The History and Future of Laser Vision Correction	Ronald R. Krueger, MD
12:05 PM – 12:10 PM	Presentation of John H. Dunnington, MD, Lectureship Gift	Leejee H. Suh, MD
12:10 PM – 12:15 PM	Q&A, Daily Wrap-Up, and Adjournment	

COLUMBIA UNIVERSITY MEDICAL CENTER FACULTY

PROGRAM COMMITTEE

- George A. Cioffi, MD**—Jean and Richard Deems Professor and Chair, Ophthalmology
Jeffrey M. Liebmann, MD—Shirlee and Bernard Brown Professor and Director, Glaucoma Division
Leejee H. Suh, MD—Miranda Wong Tang Associate Professor of Ophthalmology and Director,
Cornea & Refractive Surgery Division
Tongalp H. Tezel, MD—Chang Family Professor of Ophthalmology and Director, Vitreoretinal Division

FACULTY

- Lama Al-Aswad, MD, MPH**—Associate Professor of Ophthalmology and Glaucoma Fellowship Director
James D. Auran, MD—Professor of Ophthalmology
Srilaxmi Bearely, MD, MHS—Assistant Professor of Ophthalmology
Dana Blumberg, MD, MPH—Assistant Professor of Ophthalmology
Steven E. Brooks, MD—Anne S. Cohen Professor of Pediatric Ophthalmology, Chief of Pediatric Ophthalmology
Stanley Chang, MD—K.K. Tse and Ku Teh Ying Professor of Ophthalmology
Royce W. S. Chen, MD—Helen L. and Martin S. Kimmel Assistant Professor of Ophthalmology
C. Gustavo V. de Moraes, MD, MPH—Associate Professor of Ophthalmology
George J. Florakis, MD—Clinical Professor of Ophthalmology
Donald C. Hood, PhD—James F. Bender Professor of Psychology, Professor of Visual Sciences (Ophthalmology)
Jason D. Horowitz, MD—Assistant Professor of Ophthalmology
Steven A. Kane, MD, PhD—Associate Clinical Professor of Ophthalmology, The Division of Child Neurology
David C. Paik, MD—Assistant Professor of Ophthalmic Science and Director of the Laboratory
for Tissue Cross-Linking
Ronald H. Silverman, PhD—Professor of Ophthalmic Science
Gülgün Tezel, MD—Professor of Ophthalmology
Danielle Trief, MD, MSc—Assistant Professor of Ophthalmology
Stephen L. Trokel, MD—Professor of Ophthalmology
Stephen H. Tsang, MD, PhD—Laszlo T. Bito Associate Professor of Ophthalmology and
Associate Professor of Pathology and Cell Biology
Bryan J. Winn, MD—Assistant Professor of Ophthalmology

NATIONAL FACULTY

- Gaetano R. Barile, MD**—Professor of Ophthalmology, Hofstra Northwell School of Medicine, Manhattan Eye, Ear and Throat
Hospital, New York, New York
Audrey Bernstein, PhD—Associate Professor, Departments of Ophthalmology and Pharmacology and Systems Therapeutics,
Icahn School of Medicine at Mount Sinai, New York, New York
Jonathan S. Chang, MD—Assistant Professor of Ophthalmology, University of Wisconsin–Madison, Madison, Wisconsin
Robert D. Fechtner, MD—Professor and Chair, Department of Ophthalmology, State University of New York
Upstate Medical University, Syracuse, New York
Ronald Gentile, MD—Clinical Professor of Ophthalmology, New York Eye and Ear Infirmary of Mount Sinai, New York, New York
Douglas A. Jabs, MD, MBA—Chairman Emeritus, Mount Sinai School of Medicine, New York, New York
David Ritterband, MD—Assistant Director of Cornea and Refractive Surgery Service, New York Eye and Ear Infirmary
of Mount Sinai, New York, New York
Janet B. Serle, MD—Professor of Ophthalmology, Glaucoma Fellowship Director, New York Eye and Ear Infirmary of Mount Sinai,
New York, New York
Celso Tello, MD—Chairman and Professor of Ophthalmology, Manhattan Eye, Ear and Throat Hospital, New York, New York
Lawrence Yannuzzi, MD—Vice-Chairman and Director of The LuEsther T. Mertz Retinal Research Center, Manhattan Eye, Ear & Throat
Hospital, and Founder of Vitreous Retina Macula Consultants of New York, New York, New York

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WHO SHOULD ATTEND: This program is designed specifically for ophthalmologists, residents, and fellows interested in a comprehensive update on the diagnostic and therapeutic approaches in the management of patients with glaucomatous, anterior segment, and retinal disorders.

LEARNING OBJECTIVES:

Upon completion of this activity, participants will be better able to:

- Formulate an evidence-based approach to optimize the diagnosis of ophthalmic disorders
- Analyze the role of imaging innovations in the diagnosis and ongoing management of ophthalmic disorders
- Develop evidence-based pharmacologic treatment plans for patients with ophthalmic disorders who are candidates for drug therapy
- Describe safety and efficacy data for emerging pharmacologic treatments for a variety of ophthalmic disorders
- Compare the safety and efficacy of innovative ophthalmic surgical techniques with those of traditional techniques

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the **College of Physicians & Surgeons of Columbia University** and MedEdicus LLC. The **College of Physicians & Surgeons of Columbia University** is accredited by the ACCME to provide continuing medical education for physicians.

AMA CREDIT DESIGNATION STATEMENT

The **College of Physicians & Surgeons of Columbia University** designates this live activity for a maximum of 11.0 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

REGISTRATION INFORMATION

REGISTER BY OCTOBER 31, 2016, AND SAVE!



LOCATION

The Heart Conference Center
Vivian and Seymour Milstein Family Heart Center
NewYork-Presbyterian Hospital
173 Fort Washington Avenue
New York, NY 10032

The fee includes the plenary sessions, Friday and Saturday continental breakfast, Friday lunch, and refreshments.

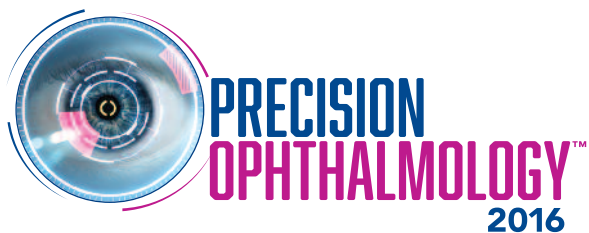
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KEYNOTE SPEAKERS

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Arthur Gerard DeVoe, MD, Lecture
Evans Professor of Ophthalmology
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University of Louisville
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Ronald R. Krueger, MD

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