



# Scheie Eye Institute



Penn Medicine

## **145<sup>TH</sup> ANNIVERSARY MEETING**

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## **DEPARTMENT OF OPHTHALMOLOGY**

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## **47<sup>TH</sup> ANNIVERSARY SCHEIE EYE INSTITUTE**



A CME-ACCREDITED CONFERENCE

**Friday – Saturday**  
**April 12-13, 2019**

**David M. Kozart Auditorium**  
**Lower Level**  
**Scheie Eye Institute**  
**51 North 39th Street**  
**Philadelphia, PA 19104**



**Penn Medicine**  
Continuing Medical and  
Interprofessional Education

<https://upenn.cloud-cme.com/ScheieEye2019>



**Course Director**  
**Stephen E. Orlin, MD**

**Course Co-Directors**  
**Alexander J. Brucker, MD**  
**Vatinee Y. Bunya, MD**



## PROGRAM OVERVIEW & TARGET AUDIENCE

This activity is designed to inform and educate the audience with the most current clinical advances in ophthalmology and highlight on-going research at the Scheie Eye Institute in the fields of glaucoma, anterior segment, retinal diseases, genetics, oculoplastic surgery, neuro-ophthalmology and ocular pathology.

### Learning Objectives

Upon completion of this activity, participants should be able to:

- Clarify objectives, inclusion and exclusion criteria in the Zoster Eye Disease Study (ZEDS)
- Identify factors related to severe vision loss in African-Americans with glaucoma
- Employ current concepts and practices in the management of glaucoma
- Review insights into the prognosis, diagnosis and management of age related and other inherited forms of macular degeneration
- Discuss new diagnostic modalities and approaches to the management of ocular surface abnormalities and dry eye disease
- Identify and manage complicated oculoplastic cases in the pediatric age group

### Hosting Organization

The *145th Anniversary Meeting* is hosted by the Scheie Eye Institute, Penn Presbyterian Medical Center, University of Pennsylvania Health System.

### Accreditation



JOINTLY ACCREDITED PROVIDER™  
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, Penn Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

### Designation of Credit

Penn Medicine designates this live activity for a maximum of 10.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Certificates and Transcripts:** After the conference has concluded, all participants will receive a follow-up email with instructions and a link. Once participants submit the request for credit, the earned credits will be available for viewing on a transcript and certificates will be available for printing at [www.penncmeonline.com](http://www.penncmeonline.com). Please note that the individual certificate will not be mailed.

### Disclosures

Penn Medicine, Office of Continuing Medical and Interprofessional Education, adheres to the ACCME *Standards for Commercial Support*. Faculty disclosure information will be made available in the conference materials and syllabi. Faculty members are also expected to disclose to participants any discussions of off-label and/or investigational uses of pharmaceutical products within their presentations.



## Registration

There is no fee to register for the *145th Anniversary Meeting*, however, pre-registration is required. Registration includes attendance to the conference, a course booklet and a link to view the presentations online. Continental breakfasts, mid-morning and afternoon refreshments and lunch on Friday are also included with registration.

Please register online at <https://upenn.cloud-cme.com/ScheieEye2019>. Please be sure you have created and/or logged into your profile in order to register. While we strongly encourage you to register online, you may mail the registration form. Please see the registration page for mailing information. Please note, mailed registrations can take up to 5-10 business days before they are received. All registrations will be confirmed by email as long as your registration is received no later than April 1, 2019.

## Anniversary Dinner Registration

The Anniversary Dinner will be held at The Rittenhouse on Friday, April 12 at 7:00 pm. To attend the dinner, you must RSVP to Karen Cope-Scarfo at [karenco@upenn.edu](mailto:karenco@upenn.edu) or call at 215-898-0832, you may also visit us online at [www.pennmedicine.org/scheiedinner2019](http://www.pennmedicine.org/scheiedinner2019). Registration for the course does not include registration for the dinner, you must register separately, but there is no fee to attend the dinner.

## Meeting Location

The *145th Anniversary Meeting* will take place on Friday and Saturday, April 12-13, 2019 at the Scheie Eye Institute, David M. Kozart Auditorium – Lower Level, 51 North 39th Street, Philadelphia, PA 19104. Directions, as well as suggestions for parking on the University of Pennsylvania campus, will be emailed to you a few days prior to the conference.

## Overnight Accommodations

If needed, registrants are responsible for making their own hotel reservations. A block of rooms is being held for registrants under the name of the Scheie Eye Room Block 2019 at The Rittenhouse, 210 West Rittenhouse Square, Philadelphia, PA, 215-546-9000, until March 13. Other hotel options are listed below and the hotels can be contacted directly.

The Inn at Penn

University City – Reference Scheie Eye CME .....215-222-0200

Hotel Monaco

433 Chestnut Street, Old City.....215-925-2111

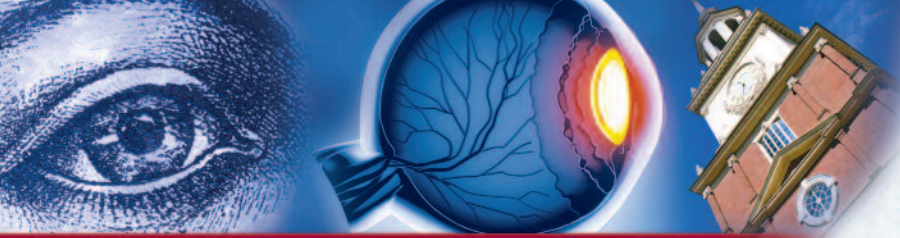
Sofitel Philadelphia

120 South 17th Street, Center City/Rittenhouse.....215-569-8300

## Cancellation Policy

The University reserves the right to cancel or postpone any course due to unforeseen circumstances. In the event of cancellation or postponement, the University is not responsible for any related costs or expenses to participants, including cancellation fees assessed by hotels, airlines, and travel agencies.





## PRESENTING FACULTY

### 13TH ANNUAL DAVID M. KOZART MEMORIAL LECTURE

#### *Teaching Ophthalmic Surgery*

**George A. Cioffi, MD**

*Jean and Richard Deems and  
Edward S. Harkness Professor of Ophthalmology  
Chair, Department of Ophthalmology  
Ophthalmologist-in-Chief, NewYork-Presbyterian  
Hospital/Columbia University Medical Center  
New York, NY*



### 5TH ANNUAL HONORED ALUMNI LECTURE

#### *JIA-related Uveitis – How Data Affect Clinical Care*

**Jennifer E. Thorne, MD, PhD**

*Chief, Division of Ocular Immunology  
Professor of Ophthalmology  
John Hopkins University School of Medicine  
Baltimore, MD*



#### **Course Director**

**Stephen E. Orlin, MD**

*Associate Professor of Ophthalmology*



#### **Course Co-Directors**

**Alexander J. Brucker, MD**

*Professor of Ophthalmology*

**Vatinee Y. Bunya, MD**

*Assistant Professor of Ophthalmology*

**Tomas S. Aleman, MD**

**Michael J. Ammar, MD**

**William V. Anninger, MD**

**J. Clay Bavinger, MD**

**Nirali Bhatt, MD**

**Gil Binenbaum, MD, MSCE**

**César A. Briceño, MD**

**Robert M. Carroll, MD**

**Artur V. Cideciyan, PhD**

**Venkata R.M. Chavali, MSc, PhD**

**Qi N. Cui, MD, PhD**

**Stefanie L. Davidson, MD**

**Brian J. Forbes, MD, PhD**

**Iga N. Gray, MD, PhD**

**Samuel G. Jacobson, MD, PhD**

**William R. Katowitz, MD**

**Joyce Khandji, MD**

**Yafeng Li, MD, PhD**

**Shuai-Chun Lin, MD**

**Tianyu Liu, BA**

**Maureen G. Maguire, PhD**

**Mina Massaro-Giordano, MD**

**Makayla McCoskey, BS**

**Sonul Mehta, MD**

**Eydie Miller-Ellis, MD**

**Monte Mills, MD**

**Christina S. Moon, MD**

**Jessica I. W. Morgan, PhD**

**Rachel M. Niknam, MD**

**Joan M. O'Brien, MD**

**Erin C. O'Neil, MD**

**Enny O. Oyeniran, MD**

**Meera S. Ramakrishnan, MD**

**Karen E. Revere, MD**

**Ahmara G. Ross, MD, PhD**

**Kurt T. Scavelli, MD**

**Michael Schatz, BA**

**Hannah Schultz, BS**

**Drew H. Scoles, MD, PhD**

**Brian M. Shafer, MD**

**Kenneth S. Shindler, MD, PhD**

**Richard A. Stone, MD**

**Delu Song, MD**

**Michael E. Sulewski, MD**

**Madhura A. Tamhankar, MD**

**Brian L. VanderBeek, MD, MPH**

**Lana D. Verkuil, MD**

**Monisha M. Vora, MD**

**Katherine E. Uyhazi, MD, PhD**

**Monica S. Zhang, MD**





Friday, April 12 – Saturday, April 13, 2019

# PROGRAM

## Friday, April 12, 2019

7:30 AM – 7:50 AM  
**Registration/Breakfast**

7:50 AM – 8:00 AM  
**Welcome**  
*Joan M. O’Brien, MD*

8:00 AM – 10:10 AM  
**RETINA & RETINAL DEGENERATION**  
*Moderator: Alexander J. Brucker, MD*

8:00 AM – 8:10 AM  
**Vision Improvement With Intravitreal Antisense Oligonucleotide (QR-110) in LCA10 Patients Carrying the c.2991+1655A>G allele in the Ciliopathy Gene CEP290**  
*Artur V. Cideciyan, PhD*

8:10 AM – 8:20 AM  
**Characterization of the Lipid Efflux Pathways in RPE**  
*Venkata R.M. Chavali, MSc, PhD*

8:20 AM – 8:30 AM  
**Patterns of Cone Disease in NR2E3-associated Retinal Degeneration: A Prelude to Designing a Clinical Trial**  
*Samuel G. Jacobson, MD, PhD*

8:30 AM – 8:40 AM  
**Virtual Reality Mobility Test as Outcome Measure for Gene Augmentation Trials for Inherited Retinal Degenerations: Design of a Testing Protocol and Algorithms**  
*Tomas S. Aleman, MD*

8:40 AM – 8:50 AM  
**Structural & Functional Abnormalities in Leber Congenital Amaurosis Caused by Mutations in RDH12: A Short-term Longitudinal Study**  
*Katherine E. Uyhazi, MD, PhD*

8:50 AM – 9:00 AM  
**Toward Using Cone Density Measurements as an Outcome Measure in Clinical Trials**  
*Jessica I.W. Morgan, PhD*

9:00 AM – 9:10 AM  
**Boucher-Neuhauser Syndrome Associated With Mutations in PNPLA6 Mimicking Choroideremia**  
*Erin C. O’Neil, MD*

9:10 AM – 9:20 AM  
**Structural Markers Predictive of Visual Acuity in Choroideremia**  
*Kurt T. Scavelli, MD*

9:20 AM – 9:30 AM  
**Blood Retinal Barrier Disruption in Non-exudative AMD**  
*Hannah Schultz, BS*

9:30 AM – 9:40 AM  
**Asymptomatic Retinopathy**  
*Robert M. Carroll, MD*

9:40 AM – 9:50 AM  
**Visit Adherence & Visual Acuity in Exudative Age-related Macular Degeneration**  
*Brian L. VanderBeek, MD, MPH*

9:50 AM – 10:00 AM  
**The Relationship Between Cilio-retinal Arteries & Advanced Age-related Macular Degeneration in the Comparison of Age-related Macular Degeneration Treatment Trials (CATT)**  
*J. Clay Bavinger, MD*

10:00 AM – 10:10 AM  
**Incidence & Features of Geographic Atrophy in Fellow Eyes in the Comparison of Age-related Macular Degeneration Treatment Trials (CATT)**  
*Delu Song, MD*

10:10 AM – 10:40 AM **Break**

10:40 AM – 11:20 AM  
**UVEITIS**  
*Moderator: Nirali Bhatt, MD*

10:40 AM – 10:50 AM  
**Case Presentation**  
*Emmy O. Oyeniran, MD*

10:50 AM – 11:00 AM  
**TNF Inhibitors in Tubulointerstitial Nephritis & Uveitis (TINU)**  
*Stefanie L. Davidson, MD*

11:00 AM – 11:10 AM  
**Case Presentation**  
*Erin C. O’Neil, MD*

11:10 AM – 11:20 AM  
**Case Presentation**  
*Michael J. Ammar, MD*

11:20 AM – 12:05 PM  
**5TH HONORED ALUMNI LECTURE JIA-related Uveitis – How Data Affect Clinical Care**  
*Jennifer E. Thorne, MD, PhD*

12:05 PM – 1:05 PM **Lunch**

1:05 PM – 2:35 PM  
**GLAUCOMA**  
*Moderator: Eydie Miller-Ellis, MD*

1:05 PM – 1:15 PM  
**Corneal Hysteresis: What’s all the Hype About?**  
*Monisha M. Vora, MD*

1:15 PM – 1:25 PM  
**Some Enigmas Regarding Daily Fluctuations of Intraocular Pressure**  
*Richard A. Stone, MD*

1:25 PM – 1:35 PM  
**Curious Case of Pseudophakic Angle Closure**  
*Monica S. Zhang, MD*

1:35 PM – 1:45 PM  
**Update on the Primary Open-angle African American Glaucoma Genetics Study**  
*Joan M. O’Brien, MD*

1:45 PM – 1:55 PM  
**Association Between Primary Open-angle Glaucoma and Cognitive Impairment in African Americans**  
*Makayla McCoskey, BS*

1:55 PM – 2:05 PM  
**Case Presentation**  
*Iga N. Gray, MD, PhD*

2:05 PM – 2:15 PM  
**Mice with Mutation of the Mitochondrial Gene Cytochrome C Oxidase 1 Have Impaired Visual Function & Retinal Ganglion Cell Loss**  
*Qi N. Cui, MD, PhD*

2:15 PM – 2:25 PM  
**Racial & Demographic Patterns of MIGS Utilization: IRIS Registry Analysis**  
*Eydie Miller-Ellis, MD*

2:25 PM – 2:35 PM  
**Is it Glaucoma or Pseudo-glaucoma?**  
*Rachel M. Niknam, MD*

2:35 PM – 3:20 PM  
**13TH ANNUAL DAVID M. KOZART MEMORIAL LECTURE Teaching Ophthalmic Surgery**  
*George A. (Jack) Cioffi, MD*

3:20 PM – 3:50 PM **Break**

3:50 PM – 4:30 PM  
**NEURO-OPHTHALMOLOGY**  
*Moderator: Madhura A. Tamhankar, MD*

3:50 PM – 4:00 PM  
**Amnion-derived Multipotent Progenitor Cells Attenuate Optic Nerve & Spinal Cord Demyelinating Disease**  
*Kenneth S. Shindler, MD, PhD*

4:00 PM – 4:10 PM  
**Development of a Novel Gene Therapy Using SIRT1 Signaling for Neuro-protection in Optic Neuropathies**  
*Ahmara G. Ross, MD, PhD*

4:10 PM – 4:20 PM  
**Case Presentation**  
*Yafeng Li, MD, PhD*

4:20 PM – 4:30 PM  
**Case Presentation**  
*Shuai-Chun Lin, MD*

7:00 PM – 11:00 PM  
**ANNIVERSARY DINNER**  
Dinner and Dancing at The Rittenhouse Hotel Center City Philadelphia

## Saturday, April 13, 2019

7:30 AM – 8:00 AM  
**Breakfast**

8:00 AM – 8:50 AM  
**CORNEA**  
*Moderator: Christina S. Moon, MD*

8:00 AM – 8:10 AM  
**Zoster Eye Disease Study (ZEDS): Background & Rationale**  
*Stephen E. Orlin, MD*

8:10 AM – 8:20 AM  
**What’s New in Astigmatism Correction During Cataract Surgery**  
*Michael E. Sulewski, MD*

8:20 AM – 8:30 AM  
**Case Presentation**  
*Brian M. Shafer, MD*

8:30 AM – 8:40 AM  
**A Double-masked, Randomized, Multi-center Phase 2 Study to Evaluate the Efficacy & Safety of LACRIPEP™ in Subjects with Dry Eye Associated With Primary Sjogren’s Syndrome**  
*Mina Massaro-Giordano, MD*

8:40 AM – 8:50 AM  
**Additional Results from the Dry Eye Assessment and Management (DREAM) Study**  
*Maureen G. Maguire, PhD*

8:50 AM – 10:00 AM  
**PEDIATRICS**  
*Moderator: Monte D. Mills, MD*

8:50 AM – 9:00 AM  
**Development of an Institutional Orbital Cellulitis Clinical Pathway**  
*Karen E. Revere, MD*

9:00 AM – 9:10 AM  
**Sirolimus for the Treatment of Orbital Lymphatic-venous Malformations**  
*William R. Katowitz, MD*

9:10 AM – 9:20 AM  
**Quantitative Visual Acuity Measurement in Young Children Using Tablet-based Optokinetic Nystagmus Videography**  
*Monte D. Mills, MD*

9:20 AM – 9:30 AM  
**Patterns of Retinal Findings in Young Children With Increased Intracranial Pressure From Nontraumatic Causes**  
*Brian J. Forbes, MD, PhD*

9:30 AM – 9:40 AM  
**Validation of the G-ROP Modified Retinopathy of Prematurity Screening Criteria**  
*Gil Binenbaum, MD, MSCE*

9:40 AM – 9:50 AM  
**Progression from Pre-plus Disease to Plus Disease in the G-ROP Study**  
*William V. Anninger, MD*

9:50 AM – 10:00 AM  
**Case Presentation**  
*Drew H. Scoles, MD, PhD*

10:00 AM – 10:30 AM **Break**

10:30 AM – 11:30 AM  
**OCULOPLASTICS**  
*Moderator: Cesar A. Briceno, MD*

10:30 AM – 10:40 AM  
**Changes in Institutional Oxygen Saturation Targets are Associated With Increased Rate of Severe Retinopathy of Prematurity**  
*Tianyu Liu, BA*

10:40 AM – 10:50 AM  
**Changes in Practice Patterns in the Treatment of Retinopathy of Prematurity**  
*Joyce Khandji, MD*

10:50 AM – 11:00 AM  
**Tobacco Counseling by Ophthalmologists in the Setting of Thyroid Eye Disease**  
*Michael Schatz, BA*

11:00 AM – 11:10 AM  
**Case Presentation**  
*Meera S. Ramakrishnan, MD*

11:10 AM – 11:20 AM  
**Periocular Tumors & Precision Medicine**  
*Sonul Mehta, MD*

11:20 AM – 11:30 AM  
**Case Presentation**  
*Lana D. Verkuil, MD*

11:30 AM **Adjourn**



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**Or you may fax this page to: 215-898-1888**

**Questions? Contact us at:**

Phone: 215-898-6400 or 215-898-8005

Email: [penncme@pennmedicine.upenn.edu](mailto:penncme@pennmedicine.upenn.edu)

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Name (First)

(Last)

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Academic Degree

---

Medical Specialty

---

Affiliation (Hospital, Office, or Company)

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Address ( ☐ Affiliation or ☐ Home)

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City

State

Zip

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Phone

Fax

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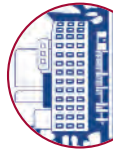
E-mail

To RSVP for the Anniversary Dinner you must register separately  
by visiting [PennMedicine.org/scheiedinner2019](http://PennMedicine.org/scheiedinner2019)  
or by contacting Karen Cope-Scarfo at [karenco@upenn.edu](mailto:karenco@upenn.edu)  
or 215-898-0832. The dinner will be held on  
Friday, April 12 at 7:00 pm at The Rittenhouse Hotel.  
There is no fee to attend the Anniversary Dinner.

**Breakfast and lunch provided.**  
**There is no registration fee to attend this course,**  
**however pre-registration is required.**



150 Anatomy/Chemistry Building, 3620 Hamilton Walk  
Philadelphia, PA 19104-6061



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