



The Macula Society

48TH ANNUAL MEETING



SUNSEEKER
Charlotte Harbor, Florida

SCIENTIFIC PROGRAM

FEBRUARY 12 - 15, 2025
MACULASOCIETY@MACULASOCIETY.ORG

The Macula Society

48th Annual Scientific Program



*Sunseeker
Charlotte Harbor, Florida
February 12 - 15, 2025*

*The Macula Society
3550 Lander Road, Suite 250, Pepper Pike, OH 44124
Email: maculasociety@maculasociety.org
Website: maculasociety.org*



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

Accreditation

LEARNING OBJECTIVES:

1. Discuss important new advances in the etiologies, diagnosis, and treatment/prevention of eye diseases.
2. Identify basic and clinical vision research that can be transformed into improved clinical care.
3. Assess the role of new technologies in the evaluation and treatment of eye diseases.
4. Obtain information and tools through multiple facets to help ophthalmologists deliver high and efficient quality of care.

ACCREDITATION:

In support of improving patient care, this activity has been planned and implemented by Cleveland Clinic Center for Continuing Education and The Macula Society. Cleveland Clinic Center for Continuing Education 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.

CREDIT DESIGNATION:

American Medical Association (AMA)

Cleveland Clinic Center for Continuing Education designates this live activity for a maximum of **23.5* AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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** Agenda and number of CME credits available are subject to change between the time of printing and the conference.*

Accreditation Continuation

FACULTY DISCLOSURE:

In accordance with the Standards for Integrity and Independence issued by the Accreditation Council for Continuing Medical Education (ACCME), The Cleveland Clinic Center for Continuing Education mitigates all relevant conflicts of interest to ensure CME activities are free of commercial bias.

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The following faculty have indicated they have no relationship which, in the context of their presentation(s), could be perceived as a potential conflict of interest: please click this link to view all faculty information at www.maculasociety.org/48thAnnualMeetingDisclosures.

GRANTOR ACKNOWLEDGMENT:

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The Macula Society

gratefully acknowledges
the Research Grant support from the following:

*The Mills and Margaret Cox
Retinal Research Foundation Grant*

IRRF: International Retinal Research Foundation

Jack McGovern Coats Grant

The Macula Society

would like to thank

Larry Yannuzzi, MD and the *Macula Foundation*

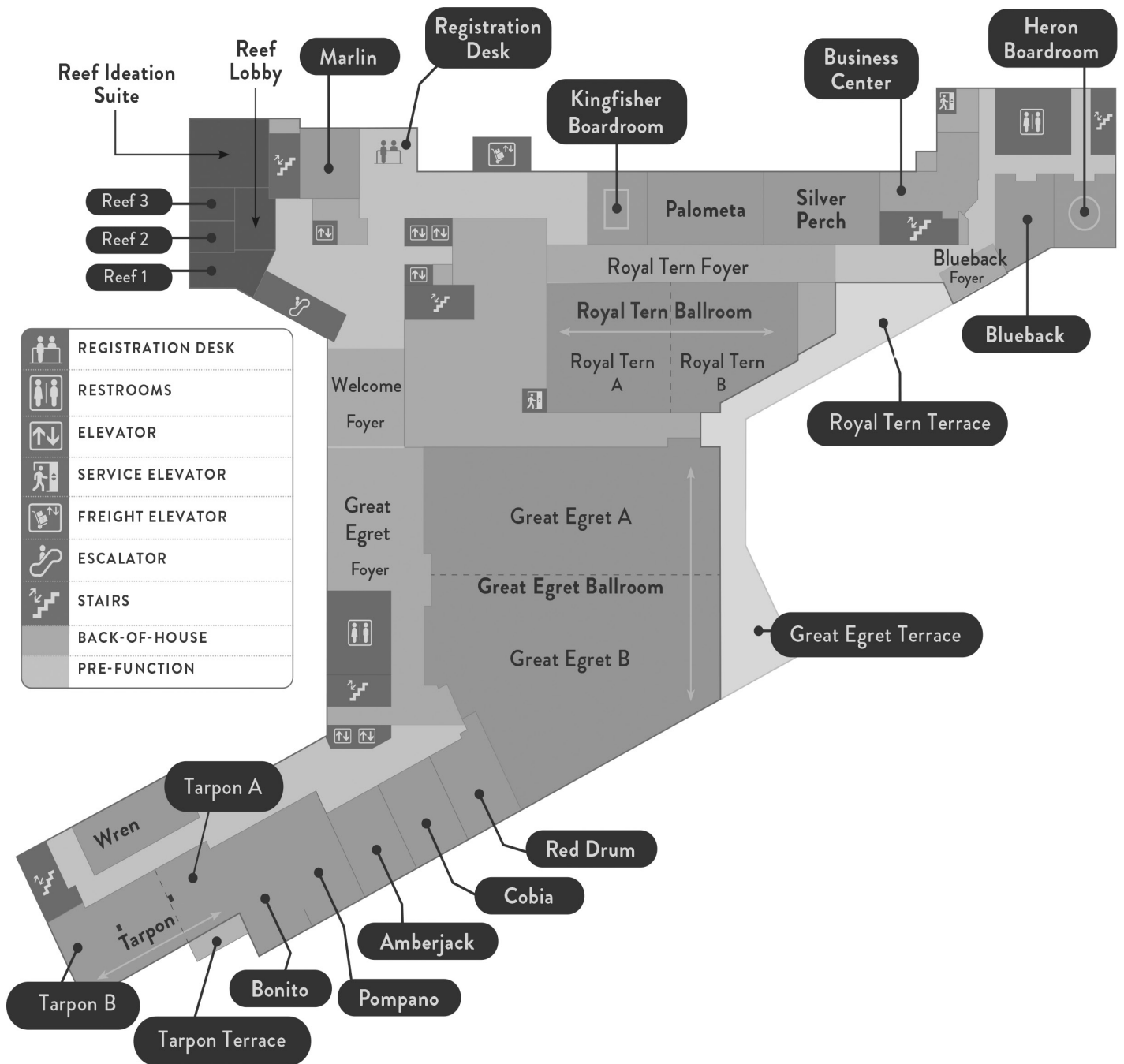
for their continuing support of the Paul Henkind Memorial Lecture

and

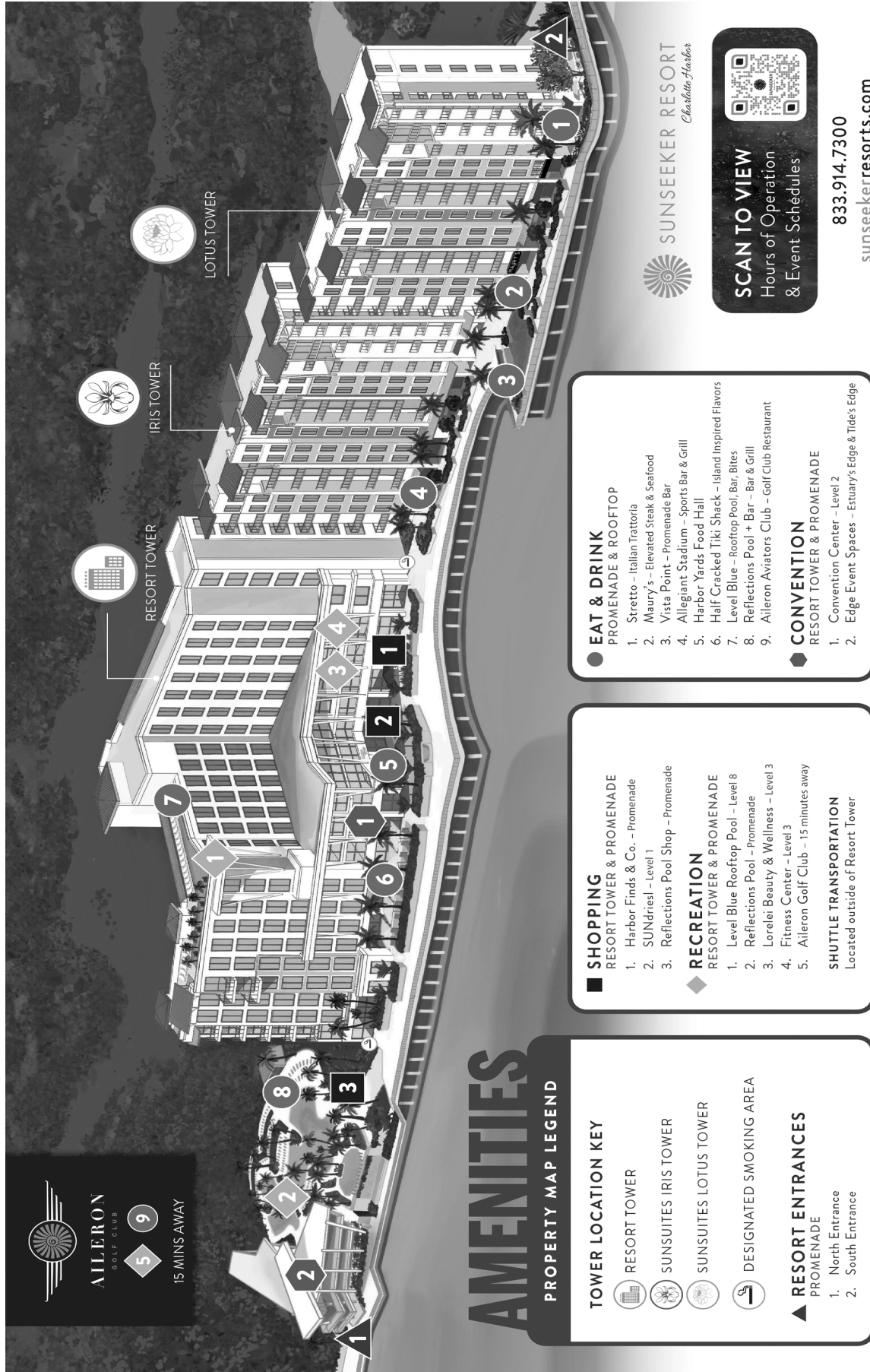
Oh Kwon, MD and *Nune Eye Hospital*

for their generous support of the International Travel Grant for the past 10 years.

Sunseeker Meeting Rooms, Foyers, and Terraces



Sunseeker Property Map



Past Presidents of the Macula Society

Arnall Patz, MD	1978-80	Jerry A. Shields, MD	2009-10
J. Donald M. Gass, MD	1980-82	Michael L. Klein, MD	2010-11
Morton F. Goldberg, MD	1982-84	Emily Y. Chew, MD	2011-12
Robert C. Watzke, MD	1984-86	Mark S. Blumenkranz, MD	2012-13
Stephen J. Ryan, MD	1986-88	Neil M. Bressler, MD	2013-14
John G. Clarkson, MD	1988-90	Paul Sternberg, Jr., MD	2014-15
David H. Orth, MD	1990-92	M. Gilbert Grand, MD	2015-16
Alexander J. Brucker, MD	1992-94	Andrew P. Schachar, MD	2016-17
Lee M. Jampol, MD	1994-96	James C. Folk, MD	2017-18
Thomas M. Aaberg, MD	1996-98	H. Richard McDonald, MD	2018-19
Travis A. Meredith, MD	1998-00	Joan W. Miller, MD	2019-20
Kurt A. Gitter, MD	2000-02	Carol L. Shields, MD	2020-21
William F. Mieler, MD	2002-04	Mark W. Johnson, MD	2021-22
Daniel Finkelstein, MD	2004-06	Glenn J. Jaffe, MD	2022-23
Lawrence A. Yannuzzi, MD	2006-08	Daniel F. Martin, MD	2023-24
Evangelos S. Gragoudas, MD	2008-09		

Officers of The Macula Society February 2024 – February 2025

SriniVas R. Sadda, MD	President
Lawrence J. Singerman, MD	Executive Secretary
Julia A. Haller, MD	President-Elect
Judy E. Kim, MD	Secretary
Richard F. Spaide, MD	Treasurer
Daniel F. Martin, MD	Immediate Past President

Committees of The Macula Society 2024 – 2025

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Mark W. Johnson, MD
Daniel F. Martin, MD
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Gemmy Cheung, MD, *Chair*

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Katherine E. Talcott, MD

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Anthony B. Daniels, MD, MSc
SriniVas R. Sadda, MD
Lawrence J. Singerman, MD
Ramin Tadayoni, MD, PhD

48th Annual Macula Society Meeting Schedule

Meeting Registration

Location: Great Egret Foyer

Wednesday, February 12, 2025

10:00 a.m. - 6:45 p.m.

Thursday, February 13, 2025

6:30 a.m. - 4:30 p.m.

Friday, February 14, 2025

6:30 a.m. - 5:15 p.m.

Saturday, February 15, 2025

6:30 a.m. - 1:00 p.m.

Speaker Ready Room

Location: Red Drum

Wednesday, February 12, 2025

10:00 a.m. - 7:00 p.m.

Thursday, February 13, 2025

6:30 a.m. - 4:30 p.m.

Friday, February 14, 2025

6:30 a.m. - 5:15 p.m.

Saturday, February 15, 2025

6:30 a.m. - 1:00 p.m.

Scientific Program

Location: Great Egret Ballroom

Case Conference

Wednesday, February 12, 2025

1:00 p.m. - 2:44 p.m.

General Sessions

Wednesday, February 12, 2025

2:52 p.m. - 6:23 p.m.

Thursday, February 13, 2025

7:00 a.m. - 1:19 p.m.

Friday, February 14, 2025

7:00 a.m. - 5:15 p.m.

Saturday, February 15, 2025

7:00 a.m. - 12:40 p.m.

Executive Committee Meeting

Location: Bonito

Wednesday, February 12, 2025

11:00 a.m.

Young Member Mentor Lecture

Made Possible with Support from

Annexon BioSciences ~ Genentech ~ Regeneron

(Buffet Lunch Sponsored by The Macula Society)

Location: Royal Tern Ballroom B

*“The Changing Landscape of Academic Ophthalmology:
Perspectives from Three Chairs”*

Esteemed Panel of Prior Presidents of the Macula Society:

Daniel F. Martin, MD; Joan W. Miller, MD; Paul Sternberg, Jr., MD

Thursday, February 13, 2025

1:30 p.m. - 3:00 p.m.

(At Conclusion of the 2025 J. Donald M. Gass Medal)

Women in Retina

Made Possible with Support from Ocular Therapeutix

Location: Palometa

Panelists: Carol L. Shields, MD; Emily Y. Chew, MD;

Joan W. Miller, MD, FARVO; Julia A. Haller, MD; Judy E. Kim, MD

Thursday, February 13, 2025

3:00 p.m. - 4:00 p.m.

International Networking Symposium

Location: Great Egret Ballroom

International Networking Symposium Synopsis *This symposium aims to bring together and network US and International members. Three hot topics have been identified and each will begin with a presentation reviewing current understanding followed by panel discussion. Special focus will be placed on developing ideas for international collaborations.*

Remembering: Ramin Tadayoni, MD, PhD

Aude Courturier, MD, PhD

Topic 1: Myopic Tractional Maculopathy – Current Understanding and Towards a Standardized Nomenclature – Presentation by Kyoko Ohno-Matsui, MD, PhD

Panel Discussion: Kyoko Ohno-Matsui, MD, PhD; Yves Salomon Cohen, MD, PhD; Aude Courturier, MD, PhD; Rick F. Spaide, MD

Topic 2: Retinal Nonperfusion – Reconciling Different Imaging Modalities

Presentation by Sobha Sivaprasad: Retinal Nonperfusion in Diabetes – Current Understanding

Panel Discussion: Jennifer K. Sun, MD, MPH; Stela Vujosevic, MD, PhD, FEBO; David Sarraf, MD; Tien Y. Wong, MBBS, M.Med (Ophth), FRCSE, FANZCO, PhD

Topic 3: Central Serous Chorioretinopathy – Current Understanding and Future Research Presentation by Jay K. Chhablani, MD

Panel Discussion: Jay K. Chhablani, MD; Jennifer I. Lim, MD, FARVO; Francine Behar-Cohen, MD, PhD; Andrew J. Lotery, MD, FRCOphth; Hideki Koizumi, MD, PhD

Thursday, February 13, 2025

4:00 p.m. - 5:30 p.m.

Annual Business Meeting

(Box Lunch Provided by Macula Society – Members Only)

Location: Great Egret Ballroom

Friday, February 14, 2025

1:00 p.m. - 2:00 p.m.

48th Annual Macula Society Social Program

~ Registered Attendees Wearing Badges ONLY Admitted ~

Welcome Reception Cocktails

Reflections Pool Deck

Wednesday, February 12, 2025

6:30 p.m.

Breaks

Great Egret Foyer

Wednesday, February 12, 2025

4:00 p.m. - 6:00 p.m.

Thursday, Friday, Saturday

10:00 a.m. - 1:00 p.m.

48th Annual Welcome Reception Dinner

Reflections Pool Deck

Wednesday, February 12, 2025

7:00 p.m.

** Business Casual **

Breakfast

Royal Tern Ballrooms A & B

Thursday, Friday, Saturday

6:30 a.m. - 10:30 a.m.

New Member Reception

Generously supported by Ocular Therapeutix

*New Members Meet and Mingle with
Executive Committee and Past Presidents*

Estuary's Edge Event Space

Thursday, February 13, 2025

6:00 p.m. - 7:30 p.m.

Singerman Society Reception

*Tides Edge (through the Reflection Pool)
For Singerman Society Educational Endowment*

~ Donors Only ~

Friday, February 14, 2025

5:30 p.m.

*~ Spouses allowed to attend VIP reception with transportation
provided from the reception to the awards dinner ~*

48th Annual Macula Society Awards Dinner

Aileron Golf Club's Event Lawn

(Transportation Provided To & From Aileron Golf Club)

Friday, February 14, 2025

Cocktails

7:00 p.m. ~ 7:30 p.m.

Dinner

~ Cocktail Attire ~

7:30 p.m.

2025 Awards

2025 Arnall Patz Medal

Wednesday, February 12, 2025 6:11 p.m.

Pages 20, 45

Recipient: Albert M. Maguire, MD

Presenter: Julia A. Haller, MD

2025 Lawrence J. Singerman Medal

Wednesday, February 12, 2025 6:20 p.m.

Pages 20, 46

Recipient: Arshad M. Khanani, MD, MA, FASRS

Presenter: David S. Boyer, MD

2025 Young Investigator Award and Lecture

Thursday, February 13, 2025 10:40 a.m.

Pages 24, 47

“Innovative Approaches to Clinical Trial Endpoints in Inherited Retinal Degenerations”

Recipient: Mark Pennesi, MD, PhD, FARVO

Presenter: Christina J. Flaxel, MD

2025 J. Donald M. Gass Medal

Thursday, February 13, 2025 1:00 p.m.

Pages 26, 48

Recipient: Mark W. Johnson, MD

Presenter: Daniel F. Martin, MD

2025 W. Richard Green Award and Lecture

Friday, February 14, 2025 11:00 a.m.

Pages 33, 49

“Metabolome Pathology in Aged and

Diseased Photoreceptors—from Otto Warburg MD to W. Richard Green MD”

Recipient: Stephen H. Tsang, MD, PhD

Presenter: Amani A. Fawzi, MD

2025 Paul Henkind Memorial Award and Lecture

Friday, February 14, 2025 12:30 p.m.

Pages 34, 50

“Evidence Generation in Intermediate Age-Related Macular Degeneration”

Recipient: Sobha Sivaprasad, MD, FRCOphth

Presenter: Prof. Andrew J. Lotery, MD, FRCOphth

2025 Evangelos S. Gragoudas Award and Paper

Saturday, February 15, 2025 8:30 a.m.

Pages 39, 51

“Liquid Biopsy for Proliferative Diabetic Retinopathy: Human

Vitreous Single-Cell Transcriptomics Reveals Inflammatory T Cell Signature”

Recipient: Rachana Haliyur, MD, PhD

Presenter: Mark W. Johnson, MD

2025 Case Conference

Wednesday

February 12, 2025

Sunseeker

Charlotte Harbor, Florida

**Case Conference presentations will be
4 minutes plus 2 minutes for discussion.**

Macula Society

2025 Case Conference

WEDNESDAY, FEBRUARY 12, 2025

CASES I

Imaging and Case Study Conference

Moderators: *Amani A. Fawzi, Lee M. Jampol*

- 1:00 p.m. A Case of Vitreous Haze
Tatyana Milman, Carol Shields, Arman Mashayekhi
- 1:06 p.m. The Eyes are Windows to the Soul
Itay Chowders, Samer Khateb, Aseel Gebara, Radgonde Amer
- 1:18 p.m. Million Dollar Diagnosis
Jeffrey Gross
- 1:12 p.m. “Sir, You are a Basket Case!”
Anthony Daniels
- 1:24 p.m. Sudden Onset of Bilateral Symmetric Multiple Serous Macular Detachments
Michaela Goldstein, Eyal Banin, Dinah Zur
- 1:30 p.m. Double Jeopardy
Min Kim
- 1:36 p.m. More than Meets the Eye
Colin McCannel
- 1:42 p.m. Unusual Case of Recurrent Pancreatitis
Charles Barr

Macula Society 2025 Case Conference

WEDNESDAY, FEBRUARY 12, 2025

CASES II

Imaging and Case Study Conference Continued

Moderators: *Anita Agarwal, Jose S. Pulido*

- 1:56 p.m. Double Trouble - Or Is It?
Muna Bhende, Adwaita Nag
- 2:02 p.m. Not Just A Cotton Wool Spot!
Benjamin Kim
- 2:08 p.m. Teenage Cavities
Anthony Robson, Michel Michaelides
- 2:14 p.m. Maculopathy
Anita Agarwal
- 2:20 p.m. Retinal Vasoproliferative Lesion with Traction Detachment
Gaetano Barile
- 2:26 p.m. Treatments of Popcorn-like Abnormal Blood Vessels Associated with
Myopic Macula Paravascular Retinoschisis
Weihong Yu
- 2:32 p.m. Dynamics of the Blood Under ILM
Francisco Rodriguez, Hernan Rios, Laura Daza-Irreño, Shirley Rosenstiehl, Jeronimo Vill
- 2:38 p.m. Prioritizing Variants of Unknown Significance in Retinitis Pigmentosa Using
Clinical Electrophysiology
Stephen Tsang
- 2:44 p.m. Mystery Case: What's Missing in this Image?
Jesse Jung, Livia Faes, John Sorenson, K. Bailey Freund

2025 Scientific Program

Wednesday through Saturday

February 12 – 15, 2025

Sunseeker

Charlotte Harbor, Florida

Presentations will be 10 minutes

(which includes a two minute discussion) or five minutes

with grouped discussions for five minutes (typically including two or three papers).

Presenters will be given a 30-second blinking warning

and at five seconds over presentation time the slide

will be removed from the screen.

The program committee would like to thank all the members for your cooperation.

WEDNESDAY, FEBRUARY 12, 2025

SESSION I
AMD: Epidemiology

Moderator: *Emily Y. Chew, Sandrine A. Zweifel*

- 2:52 p.m. The Prevalence of Visual Impairment in Elderly Population in Retirement Home Care and Home-Based Care (Spitex) in Switzerland (POVIE-Study)
Sandrine Zweifel, Co-authors: Mariano Cozzi, Magdalena Rejdak, Anabita Bajka, Daniel Muth
- 2:57 p.m. The Power of Electronic Medical Records in Age-Related Macular Degeneration
Jaime Levy, Co-authors: Itay Chowders, Yabel Shwartz, Liran Tiosano, Natan Lishinsky-Fischer
- 3:02 p.m. Black and Hispanic Patients with Age-Related Macular Degeneration and Subretinal Drusenoid Deposits
R. Smith, Co-authors: John Tan, Gareth Lema
- 3:07 p.m. **Discussion**
- 3:12 p.m. Alcohol Consumption and Risk of Age-Related Macular Degeneration and Geographic Atrophy Progression in the Age-Related Eye Diseases Study 2
Tiarnan Keenan, Co-authors: Cameron Duic, Emily Vance, Elvira Agro
- 3:17 p.m. Statins and Genetics in the Risk of Progression of Age-Related Macular Degeneration
Rufino Silva, Co-authors: Patricia Barreto, Rita Coimbra, Claudia Farinha, José Cunha-Vaz
- 3:22 p.m. Propensity Matched Analysis of the Risk of Age-Related Macular Degeneration with Systemic Immune-Mediated Inflammatory Disease
Katherine Talcott, Co-authors: Priya Shukla, Matthew Russell, Justin Muste, Jacqueline Shaia, Amy Nowacki, Rula Hajj-Ali, Rishi Singh
- 3:27 p.m. **Discussion**
- 3:32 p.m. **End of Session**

SESSION II

Diabetic Retinopathy I: Trials

Moderators: ***David M. Brown, Adrienne Scott***

3:33 p.m. Baseline Characteristics and Outcomes of Patients Treated with Aflibercept 8 mg at Shortened, Maintained, or Extended Dosing Intervals Through 96 Weeks in PHOTON

Seenu Hariprasad

3:38 p.m. Aflibercept 8 mg in Diabetic Macular Edema: 156-Week Results from The PHOTON Extension Study

David Brown

3:43 p.m. Intraocular Pressure Outcomes with Aflibercept 8 mg and 2 mg in Patients with Diabetic Macular Edema Through Week 96 of The Phase 2/3 PHOTON Trial

Dilraj Grewal

3:48 p.m. ***Discussion***

3:53 p.m. Treatment Response and Safety of Faricimab in Underrepresented Patients with DME: Year 1 Results from ELEVATUM in the US

Adrienne Scott, Co-Authors: *Manuel Amador, Jeremiah Brown, Matthew Cunningham, Joseph Coney, Andres Emanuelli, Stephen Huddleston, Sofia Milunovich, Ming Yang, Xiao-Yu Lu, Luis Gonzalez*

3:58 p.m. Four-Year Outcomes of Faricimab in DME: Safety and Efficacy Results from The RHONE-X Long-Term Extension Trial

Arshad Khanani, Co-Authors: *Francis Abreu, Kara Gibson, Alex Kotak, Timothy Lai, Ian Pearce, Patricio Schlottmann, Dawn Sim, Yannan Tang, Aachal Kotecha*

4:03 p.m. Greater Reduction in Hard Exudates with Faricimab vs. Aflibercept in Patients with DME: Biomarker Results from the Phase 3 YOSEMITE/RHINE Trials

Michael Elman, Co-Authors: *Andreas Pollreisz, Christiana Dinah, Roger Goldberg, Michael Ip, Ehsan Rahimy, Stela Vujosevic, Manuel Amador, Kara Gibson, Andreas Maunz, Olivia O’Leary, Diane Uschner*

4:08 p.m. ***Discussion***

4:13 p.m. ***End of Session/Break***

SESSION III

Imaging I and Macular Disease

Moderators: *Aude Couturier, Mark W. Johnson*

- 4:34 p.m. North Carolina Macular Dystrophy, Haplotype analysis of 37 Families Shows Single Founders for Each Mutation
Kent Small, Co-Authors: *Jessica Avetisjan, Fadi Shaya, Amber Diaz, Arpier Haritounian, Monique Leys, Thomas Rice, Richard Lewis, Bernard Puech, Elise Heon, Paul Bernstein, Gregory Rognon, Adrienne Scott, Todd Schneiderman, David Wilson, Uma Udar, Nitin Udar*
- 4:39 p.m. Pathogenic Mechanisms of Immune Checkpoint Inhibitor (ICI)-Associated Choroidal and Retinal Adverse Reactions
Mark Johnson, Co-Authors: *Rachana Haliyur, Susan Elner, Shilpa Kodati*
- 4:44 p.m. ***Discussion***
- 4:49 p.m. Progression of Atrophy Associated with Myopic Neovascular Maculopathy
Aude Couturier, Co-Authors: *Omar Moukadem, Karolina Motloch, Elise Philippakis*
- 4:54 p.m. Prevalence, Features, and Outcomes of Type 1 Neovascularization in Eyes with Angioid Streaks
Francesco Bandello, Co-Authors: *Maria Vittoria Cicinelli, Lorenzo Bianco, K. Bailey Freund, Prithvi Ramtobul, Maurizio Battaglia Parodi*
- 4:59 p.m. ***Discussion***
- 5:04 p.m. Anti-VEGF Therapy for Proliferative Sickle Cell Retinopathy
Jennifer Lim, Co-Authors: *Ogugua Okonkwo, Carl Regillo, Adrienne Scott, Charles Wykoff, Jessica Cao, Hana Mansour, Bernadette Miao*
- 5:09 p.m. Use of a Novel Individualized, Clustered at-Home Virtual Reality Perimetry Test to Measure Retinal Sensitivity in Patients with Geographic Atrophy (GA)
Karl Csaky, Co-Authors: *Tavé Van Zyl, Neha Tandon, Shawn Mishra, Quang Nguyen, James Blaha, Manish Gupta, Benjamin Backus*
- 5:14 p.m. ***Discussion***
- 5:19 p.m. ***End of Session***

SESSION IV

Tumors

Moderators: *Jasmine H. Francis, Carol L. Shields*

- 5:20 p.m. Comparison of Genetic Profile and Metastatic Outcomes of High-Risk Nevi Undergoing Observation Versus Immediately Treated Uveal Melanoma
Amy Scheffler, Co-Authors: Ankit Kadakia, Amna Ali, Alice Chuang
- 5:30 p.m. Small Choroidal Melanoma: Paradigm Shift to Early Treatment Combined with FNAB
Timothy Murray, Co-Author: Aaron Gold
- 5:40 p.m. High-Dose Intravitreal Topotecan for Recurrent Retinoblastoma, Subretinal Seeds, and Vitreous Seeds in 13 Consecutive Cases
Carol Shields, Co-Authors: Madison Woods, Yubai Chou, Rolika Bansal, Hidayet Sener, Sara Lally, Jerry Shields
- 5:50 p.m. Blood-Derived Cell Free DNA in the Diagnosis of Solitary Amelanotic Choroidal Lesions
Jasmine Francis, Co-Authors: Sara Levine, Julia Canestraro, David Abramson
- 6:00 p.m. ***Discussion***
- 6:10 p.m. ***End of Session***

Presentation of the Arnall Patz Medal

- 6:11 p.m. Introduction and Presentation of the Arnall Patz Medal – Julia A. Haller, MD
- 6:14 p.m. Arnall Patz Medal Recipient – Albert M. Maguire, MD

Lawrence J. Singerman Medal and Presentation

- 6:20 p.m. Introduction and Presentation of the Lawrence J. Singerman Medal – David S. Boyer, MD
- 6:23 p.m. Lawrence J. Singerman Medal Recipient – Arshad M. Khanani, MD, MA, FASRS

THURSDAY, FEBRUARY 13, 2025

SESSION V

Inherited Retinal Dystrophy I: Trials

Moderators: *Isabelle Audo, José-Alain Sabel*

- 7:00 a.m. Phase I Study of Intravitreal Injection of Autologous CD34+ Stem Cells from Bone Marrow in Eyes with Vision Loss from Retinitis Pigmentosa
Susanna Park, Co-Authors: Gerhard Bauer, Brian Fury, Mehrdad Abedi, Jan Nolte
- 7:05 a.m. Efficacy and Safety of MCO-010 Optogenetic Therapy for Vision Restoration in Patients with Severe Vision Loss Due to Retinitis Pigmentosa:126-Week Topline Results from The REMAIN Follow-Up Study (REMAIN)
Victor Gonzalez
- 7:10 a.m. Updated Safety Results from the PIONEER Study : Optogenetics for Non-Syndromic Retinitis Pigmentosa
José-Alain Sabel, Co-Authors: Isabelle Audo, Elise Boulanger-Scemama, Chloé Pagot, Marlene Behrmann, Ling Shouyu, Angelo Arleo, Joseph Martel, Simona Degli Esposti, William Smith, Alexandre Delaux, Jean-Baptiste De Saint Aubert, Caroline De Montleau, Cecilia Coen, Emmanuel Gutman, Jens Duebel, Serge Picaud, Deniz Dalkara, Magali Taiel, Botond Roska
- 7:15 a.m. **Discussion**
- 7:20 a.m. PRODYGY: A First-in-Human Trial of Rod-Derived Cone Viability Factor (Rdcvf) Gene Therapy in Subjects with Rod-Cone Dystrophy
Isabelle Audo, Co-Authors: Joseph Martel, Pierre-Olivier Barale, Laure Blouin, Anne-Sophie Gautron, Alice Le Meur, Nelle Messeca, Fabien Loustalot, James Gow, Daniel Chung
- 7:25 a.m. Interim Safety and Efficacy of ATSN-201 Dose Escalation Study in Patients with X-Linked Retinoschisis (XLRS)
Christine Kay, Co-Authors: Lesley Everett, Aaron Nagiel, Byron Lam, Andreas Lauer, Audina Berrocal, Ninel Gregori, Shannon Boye, Sanford Boye, Laura Pardon, Dan Yoon, Kenji Fujita
- 7:30 a.m. Safety and Vision Outcomes Following Gene Therapy for Bietti Crystalline Dystrophy(BCD)
Xiaoxin Li, Co-Author: Xiuju Chen
- 7:35 a.m. Oral Gildeuretinol Slows Progression of Stargardt Disease: Safety and Efficacy Results from The TEASE Program
Philip Ferrone, Co-Authors: Leonide Saad, Michael Gorin, Ilyas Washington, Gabrielle Debartolomeo, Marc Mathias, Hendrik Scholl, Seemi Khan, Christine Kay
- 7:40 a.m. **Discussion**
- 7:45 a.m. **End of Session**

SESSION VI

NON-NV AMD I: Trials

Moderators: *Jeffrey S. Heier, Richard F. Spaide*

- 7:45 a.m. Gene Therapy for Geographic Atrophy Secondary to Dry Age-Related Macular Degeneration: Evaluation of OCU410 Safety and Efficacy from Phase 1/2 Armada Study Results
Jay Chhablani
- 7:50 a.m. Inflammasome Inhibition with Kamuvudine K8: A Prospective Clinical Trial in Bilateral Geographic Atrophy (GA)
Jayakrishna Ambati, Co-Authors: *Michelle Abou-Jaoude, Connie Dampier, Kameshwari Ambati, Martin Nazzaro, Jianbing Chen, Hong Guo, Joseph Magagnoli, Paul Ashton, P Pearson*
- 7:55 a.m. AVD-104 for Geographic Atrophy Secondary to Age-Related Macular Degeneration: A Review of the Phase 2a SIGLEC Findings and an Overview of the SIGLEC Phase 2b Study
Robert Avery
- 8:00 a.m. **Discussion**
- 8:05 a.m. Impact of C1q Inhibition on Visual Acuity Protection and Central Subdomain Anatomical Preservation with ANX007 in the Phase 2 ARCHER Trial
Rabul Khurana, Co-Authors: *Glenn Jaffe, Eleonora Lad, Karl Csaky, Charles Wyckoff, Scott Borland, Alessia Tassoni, Ted Yednock, Lori Taylor*
- 8:10 a.m. C1q Inhibition Attenuates Microglia-Induced Neuronal Injury: Implications for GA and Neurodegenerative Diseases
Eleonora Lad
- 8:15 a.m. Oral Gildeuretinol in Geographic Atrophy Secondary to AMD: Safety and Efficacy from SAGA, a 2-Year, Randomized, Double-Masked, Placebo-Controlled Study
Ivan Suner, Co-Authors: *Leonide Saad, Ilyas Washington, Alexander Melamud, Kenneth Graham, Adrian O'Malley, Gabrielle Debartolomeo, Honghua Jiang, Lindsey Harris, Christine Kay, Philip Ferrone, Seemi Khan, David Boyer*
- 8:20 a.m. **Discussion**
- 8:25 a.m. One-Year Results of Photobiomodulation for Dry Intermediate AMD: A Single-Center Retrospective Study
Salomon Cohen, Co-Authors: *Sylvia Nghiem-Buffer, Lise Dubois, Sandrine Tabary*
- 8:30 a.m. 24-Month Evaluation of Anatomical Effects of Photobiomodulation with the Valeda® Multiwavelength Light Delivery System in Dry Age-Related Macular Degeneration
Glenn Jaffe, Co-Authors: *Kevin Choy, Zane Zemborain, Stephanie Tedford, Clark Tedford, Cindy Croissant, Sina Farsiu*
- 8:35 a.m. **Discussion**
- 8:40 a.m. **End of Session**

SESSION VII

Imaging II: Diabetic Retinopathy

Moderators: ***Colin A. McCannel, Nadia K. Waheed***

- 8:40 a.m. Refining Diabetic Retinopathy Severity Assessment: A Comparative Analysis of Ultrawide Field Fluorescein Angiography and Color Fundus Photography
Paolo Silva
- 8:45 a.m. Imaging Biomarkers as Predictors of Response to Treat-and-Extend Treatment in Diabetic Macular Edema
Kiyoung Kim
- 8:50 a.m. Impact of Early Intraretinal Fluid (IRF) Reduction on Outcomes in DME
Clement Chan, Co-Authors: *Srinivas Sadda, Jennifer Lim, Yiyi Wang, Derrek Hibar, Andreas Maunz, Huanxiang Lu, Thomas Albrecht, Kara Gibson, Katie Litts*
- 8:55 a.m. Retinal Microglial Activation Status in Diabetic Retinopathy Assessed over Time by Volumetric Adaptive Optics OCT
Andreas Pollreisz, Co-Authors: *Laura Kunze, Elisabeth Brunner, Maximilian Lindell, Wolfgang Drexler, Ursula Schmidt-Erfurth, Michael Pircher*
- 9:00 a.m. ***Discussion***
- 9:05 a.m. Structure-Function Correlation of The Disorganization of The Retinal Inner Layers (DRIL) in Diabetic Retinal Disease (DRD) Assessed by Conventional and Improved Resolution Optical Coherence Tomography (OCT)
Thomas Ach, Co-Authors: *Lilith Arend, Leon Von Der Emde, Marlene Sassmannshausen, Frank Holz, Katharina Wall*
- 9:10 a.m. Retinal Sensitivity and Retinal Ischemia in Diabetic Retinopathy (DR): A Prospective, Observational, Longitudinal Cohort Study.
Noemi Lois, Co-Authors: *Jennifer Perais, David Wright, Amelia Lim, Ajay Mobite, Gerard Reid, Pearse Hillis, Cora Sheeran*
- 9:15 a.m. Correlation of Perfusion Deficits in the Macular and Peripapillary Areas Versus Retinal Mid-Periphery in Diabetic Retinopathy: A Wide-Field OCT Angiography Study
Edoardo Midena, Co-Authors: *Luca Danieli, Tommaso Torresin, Elisabetta Pilotto, Giulia Midena, Luisa Frizziero*
- 9:20 a.m. ***Discussion***
- 9:25 a.m. ***End of Session/Break***

SESSION VIII

Imaging III: Innovations and New Applications

Moderators: ***Glenn J. Jaffe, Kyoko Obno-Matsui***

- 9:40 a.m. Association between Foveal Avascular Zone Area and Melanin Content in Healthy Caucasian Adults
Giovanni Staurenghi, Co-Authors: *Valentina Folegani, Francesco Romano, Andrea Menghi, Mariano Cozzi, Alessandro Invernizzi*
- 9:50 a.m. Assessment of the Metabolic Function of Retinal Pigment Epithelial Cells in the Living Human Eye
SriniVas Sadda, Co-Authors: *Ruixue Liu, Xiaolin Wang, Giulia Corradetti, Yubua Zhang*
- 10:00 a.m. Novel Whorl-Like Collagen Fiber Arrangement Around Emissary Canals in the Posterior Sclera
Kyoko Obno-Matsui, Co-Authors: *Hongshuang Lu, Masabiro Yamanari*
- 10:10 a.m. Ocular Blood Velocity Measurement with Optical Coherence Tomography
Richard Spaide, Co-Authors: *Mary Durbin, Kyungmoo Lee, Jen-Wei Kuo, Masabiro Akiba, Arthur Kubota, Tony Ko*
- 10:20 a.m. A Flicker in the Light - Intermittent Choriocapillaris Perfusion in Sickle Cell Disease
Richard Rosen, Co-Authors: *Affan Haq, Luis Duran, Jordan Bellis, Maxime Centeno, Chemika Ihiasota, Ritika Jhawar, Elizabeth Stidham, Rishard Weitz, Jeffrey Glassberg, Toco Chui*
- 10:30 a.m. Topographic Measurement of the Subretinal Pigment Epithelium Space in Normal Aging and Intermediate Age-Related Macular Degeneration Using High-Resolution OCT
Nadia Wabeed, Co-Authors: *Jungeun Won, Hiroyuki Takahashi, Stefan Ploner, Wenke Karbole, Omar Abu-Qamar, Antonio Yaghy, Anna Marmalidou, Stephanie Kaiser, Yunchan Hwang, Junhong Lin, Andre Witkin, Shilpa Desai, Caroline Baumal, Andreas Maier, Christine Curcio, James Fujimoto*
- 10:40 a.m. ***End of Session***

Presentation of the Young Investigator Award and Lecture

“Innovative Approaches to Clinical Trial Endpoints in Inherited Retinal Degenerations”

- 10:40 a.m. Introduction and Presentation of the Young Investigator Award and Lecture
– Christina Flaxel, MD
- 10:43 a.m. Young Investigator Award Recipient and Lecture
– Mark Pennesi, MD, PhD, FARVO

SESSION IX

NON-NV AMD II: Function vs. Structure

Moderators: ***Christine A. Curcio, Frank G. Holz***

- 11:00 a.m. Genetic Associations of Delayed Rod-Mediated Dark Adaptation and Other Visual Functions at the Aging-AMD Interface Implicate Microvascular Involvement
Christine Curcio, Co-Authors: Robert Mullins, Edwin Stone, Lukas Goerd, Deepayan Kar, Liyan Gao, Gerald McGwin, Cynthia Owsley
- 11:10 a.m. Pitfalls in Measuring Reading Speed in Patients with Geographic Atrophy and Good Visual Acuity
Janet Sunness, Co-Authors: Michelle Bianchi, Carol A. Applegate
- 11:20 a.m. Effect of Intravitreal AVD-104 on Junctional Hyperautofluorescence and Outer Retinal Layer Thickness in Eyes with Geographic Atrophy
Michael Ip, Co-Authors: Muneeswar Gupta Nittala, Swetha Velaga, Sophiana Lindenberg, Aditya Verma, Ayesha Karamat, David Callanan, SriniVas Sadda
- 11:30 a.m. Baseline Quantitative Ellipsoid Zone (EZ) Integrity Parameters in Reclaim-2: Impact on Photoreceptor Loss and Low Luminance BCVA in Dry AMD
Justis Ehlers, Co-Authors: Jeffrey Finman, Anthony Abbruscato, Amy Meadowcroft, David Lally
- 11:40 a.m. Assessment of Local Sensitivity Loss in Irora and Crora Lesions in Intermediate Age-Related Macular Degeneration (Iamd) By High-Resolution Microperimetry
Frank Holz, Co-Authors: Thomas Ach, Marlene Sassmannshausen, Julius Ameln, Leon Von Der Emde, Wolf Harmening
- 11:50 a.m. Subgroup Analysis of GATHER1 and GATHER2: Exploring the Impact of Avacincaptad Pegol on Persistent Vision Loss at Year 2 in Patients with Geographic Atrophy
Jaclyn Kovach, Co-Authors: Carl Danzig, Arshad Khanani, Dan Luo, Don Lou, Olga Cerón, Lejla Vajzovic
- 12:00 p.m. Retinal Sensitivity After 36 Months of Pegcetacoplan Treatment for Geographic Atrophy in The GALE Study
Judy Kim
- 12:10 p.m. ***End of Session***

SESSION X

Basic Science I

Moderators: Itay Chowers, David N. Zacks

- 12:10 p.m. Unraveling Cone Photoreceptor Metabolic Dependencies to Identify Novel Neuroprotective Strategies
Thomas Wubben, Co-Authors: Shubha Subramanya, Nicholas Miller, Moley Goswami, Meini Chen, Eric Web, Trieu Duc Vu, Sraboni Chaudbury, Katherine Web, Heather Hager, Thanh Hoang
- 12:20 p.m. Understanding the Retinal Recovery Response to Injury
Rafael Ufret-Vincenty, Co-Authors: Bogale Aredo, Ashwani Kumar, Mark Henkemeyer, Chao Xing
- 12:30 p.m. Photoreceptor Anastasis: Recovery from the Brink of Death
David Zacks
- 12:40 p.m. Retinal Perivascular Macrophages Regulate Immune Cell Infiltration During Neuroinflammation
Jeremy Lavine
- 12:50 p.m. Cross-Species Single-Cell Analysis Reveals Factors Limiting Human Retinal Neuron Regeneration
Brian Hafler
- 1:00 p.m. ***End of Session***

Presentation of the J. Donald M. Gass Medal

- 1:00 p.m. Introduction and Presentation of the J. Donald M. Gass Medal – Daniel F. Martin, MD
- 1:03 p.m. J. Donald M. Gass Medal Recipient – Mark W. Johnson, MD

Young Member Mentor Lecture

*Made Possible with Support from
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*(Buffet Lunch Sponsored by The Macula Society)
Royal Tern Ballroom B*

***“The Changing Landscape of Academic Ophthalmology:
Perspectives from Three Chairs”***

Esteemed Panel of Prior Presidents of the Macula Society:

Daniel F. Martin, MD

Joan W. Miller, MD

Paul Sternberg, Jr., MD

Thursday, February 13, 2025

1:30 p.m. - 3:00 p.m.

(At Conclusion of the 2025 J. Donald M. Gass Medal)

Women in Retina

Made Possible with Support from Ocular Therapeutix

Palometa

Panelists:

Carol L. Shields, MD

Emily Y. Chew, MD

Joan W. Miller, MD, FARVO

Julia A. Haller, MD

Judy E. Kim, MD

Thursday, February 13, 2025

3:00 p.m. - 4:00 p.m.

(At Conclusion of the 2025 Young Member Mentor Lecture)

International Networking Symposium

Great Egret Ballroom

International Networking Symposium Synopsis

This symposium aims to bring together and network US and International members.

Three hot topics have been identified and each will begin with a presentation reviewing current understanding followed by panel discussion. Special focus will be placed on developing ideas for international collaborations.

REMEMBERING: Ramin Tadayoni, MD, PhD

Aude Courturier, MD, PhD

Topic 1: *Myopic Tractional Maculopathy - Current Understanding and Towards a Standardized Nomenclature*

Presentation by Kyoko Ohno-Matsui, MD, PhD

Panel Discussion:

Kyoko Ohno-Matsui, MD, PhD; Yves Salomon Cohen, MD, PhD;
Aude Couturier, MD, PhD; Rick F. Spaide, MD

Topic 2: *Retinal Nonperfusion - Reconciling Different Imaging Modalities*

Presentation by Sobha Sivaprasad: Retinal Nonperfusion in Diabetes - Current Understanding

Panel Discussion:

Jennifer K. Sun, MD, MPH; Tien Y. Wong, MBBS, M.Med (Ophth), FRCSE, FANZCO, PhD;
Stela Vujosevic, MD, PhD, FEBO; David Sarraf, MD

Topic 3: *Central Serous Chorioretinopathy - Current Understanding and Future Research*

Presentation by Jay K. Chhablani, MD

Panel Discussion:

Jay K. Chhablani, MD; Jennifer I. Lim, MD, FARVO; Francine Behar-Cohen, MD, PhD;
Andrew J. Lotery, MD, FRCOphth; Hideki Koizumi, MD, PhD

Thursday, February 13, 2025

4:00 p.m. - 5:30 p.m.

(Following the Women in Retina)

New Member Reception

made possible with support from Ocular Therapeutix

Estuary's Edge Event Space

Thursday, February 13, 2025

6:00 p.m. - 7:30 p.m.

(At Conclusion of the 2025 International Symposium)

FRIDAY, FEBRUARY 14, 2025

SESSION XI

Diabetic Retinopathy II: Trials

Moderators: *Judy E. Kim, Sobha Sivaprasad*

- 7:00 a.m. Evaluating OTX-TKI in Non-Proliferative Diabetic Retinopathy: Results from the Phase 1 HELIOS Trial
Dilsher Dboot, Co-Authors: Allen Hu, Arshad Khanani, Dennis Marcus, Mark Barakat, Veeral Sheth, Brian Berger, Michael Singer, Charles Wykoff, David Brown
- 7:05 a.m. CRIMSON, a Phase Iib Randomized Controlled Trial of BI 764524 in Patients with Non-Proliferative Diabetic Retinopathy: Rationale, Study Design, and Protocol
Stela Vujosevic, Co-Authors: Quan Nguyen, Charles Wykoff, SriniVas Sadda, Martin Gliem, Paul Goodman, Ahmed Hagag, Khaled Nassar, Gudrun Simons, Sobha Sivaprasad
- 7:10 a.m. Suprachoroidal Delivery of Investigational ABBV-RGX-314 for Diabetic Retinopathy: The Phase II ALTITUDE® Study
Dennis Marcus
- 7:15 a.m. Risk of Sight-Threatening Diabetic Retinopathy with GLP-1 RA use in Routine Clinical Practice: Comparative Effectiveness of Semaglutide, Dulaglutide, Liraglutide, and Exenatide
Andrew Barkmeier
- 7:20 a.m. **Discussion**
- 7:25 a.m. Global Real-World Clinical and Anatomical Outcomes with Faricimab in Treatment-Naïve Patients with Namd Or DME from a Multi-Country Prospective Non-Interventional Study: The VOYAGER Study
Steffen Schmitz-Valckenberg, Co-Authors: Clare Bailey, Voraporn Chaikitmongkol, Varun Chaudhary, Gloria Chi, Amanda Downey, Robert Finger, Dr. Roberto Gallego-Pinazo, Adrian Koh, Susumu Ishida, Monica Lövestam-Adrian, Mariacristina Parravano, Jose Pinto, Veeral Sheth, Beijue Shi, Eric Souied, Diane Uschner, Robyn Guymer
- 7:30 a.m. Treatment Patterns, Visual Outcomes, and Safety in Eyes with Neovascular Age-Related Macular Degeneration (Namd) and Diabetic Macular Edema (DME) Treated with Faricimab in the UK: 1-Year Results from the Faricimab Real-World Evidence (FARWIDE) Study
Sobha Sivaprasad, Co-Authors: Ian Pearce, James Talks, Gabriella De Salvo, Praveen Patel, Samantha De Silva, Richard Gale, Martin Mckibbin, Deepali Varma, Tunde Peto, Rbionon Reynolds, Clare Bailey, Louise Downey, Christine Kiire, Gloria Chi, Melanie Dodds, Natalee James, Amanda Downey, Parul Dayal
- 7:35 a.m. 2-Year Real-World Clinical and Anatomical Outcomes in Patients with Neovascular Age-Related Macular Degeneration (Namd) and Diabetic Macular Edema (DME) Treated with Faricimab in The United States: The FARETINA Study
Durga Borkar, Co-Authors: Erin Zwick, Nicole Bonine, Theodore Leng, Stella Ko, Jacqueline Shaia, Ferhina Ali, Rishi Singh
- 7:40 a.m. **Discussion**
- 7:45 a.m. **End of Session**

SESSION XII

Neovascular AMD I: Trials

Moderators: ***Jennifer I. Lim, Anat Loewenstein***

- 7:45 a.m. Subretinal Delivery of Investigational ABBV-RGX-314 as a Gene Therapy for Neovascular Age-Related Macular Degeneration (Namd): Interim Results of Bilateral Dosing from a Fellow Eye Study
Sunir Garg, Co-Author: Ashkan Abbey
- 7:50 a.m. Subretinal LX102 Gene Therapy for Neovascular Age-Related Macular Degeneration (Namd): Two-Year Results of The First-in-Human Study and Preliminary Results of the Phase I Study
Xiaodong Sun, Co-Authors: Fenghua Wang, Tong Li, Huixun Jia
- 7:55 a.m. ***Discussion***
- 8:00 a.m. Sozinibercept Combination Therapy for Neovascular Age-Related Macular Degeneration: Subgroup Analysis of a Phase 2b Study to Assess the Angiographic Predictors of Response
David Boyer
- 8:05 a.m. Top Line Results from ODYSSEY: A Phase 2b Study of Suprachoroidally Administered CLS-AX in Participants with Neovascular Age-Related Macular Degeneration
Thomas Ciulla, Co-Author: Victor Chong
- 8:10 a.m. Assessment of Treatment Burden in Wet Age-Related Macular Degeneration Treated with EYP-1901 (Vorolanib Intravitreal Insert) versus Aflibercept: DAVIO 2 Trial Results
Michael Singer, Co-Authors: Monica Roy, Ramiro Ribeiro
- 8:15 a.m. ***Discussion***
- 8:20 a.m. ***End of Session***

SESSION XIII

Imaging IV and Macular Disease

Moderators: *Justis P. Ehlers, Joan W. Miller*

- 8:20 a.m. Post Hoc Analysis of Treatment Response in Participants with Smaller Baseline Ellipsoid Zone Area Loss Across two Phase 3 Studies of Ciliary Neurotrophic Factor–Producing Revakinagene Tarorectel (NT-501) in Macular Telangiectasia Type 2
Charles Wykoff
- 8:25 a.m. Outer Foveal Microdefects in Central Serous Chorioretinopathy: Long-Term Follow-Up
Sarah Mrejen, Co-Authors: *Clément Gratiot, Salomon Cohen, Isabelle Audo, Michael Atlan, Michel Paques*
- 8:30 a.m. **Discussion**
- 8:35 a.m. Inversion of Asymmetric Vortex Vein Dilatation in Pachychoroid Spectrum Diseases
Hidetaka Matsumoto, Co-Authors: *Shoji Kisbi, Hideo Akiyama*
- 8:40 a.m. One-Year Choroidal Thickness Changes After Photodynamic Therapy for Central Serous Chorioretinopathy Evaluated by Widefield Optical Coherence Tomography
Hideki Koizumi
- 8:45 a.m. OCT-Angiography Based Blood Flow Evidence as a Surrogate of Disease Activity in Polypoidal Choroidal Vasculopathy
Marco Lupidi, Co-Authors: *Alessio Muzi, Giulia Gregori, Lorenzo Mangoni, Jay Chhablani, Mariacristina Parravano, Cesare Mariotti*
- 8:50 a.m. **Discussion**
- 8:55 a.m. Clinical Subtypes of Extensive Macular Atrophy with Pseudodrusen-Like Appearance
Maurizio Battaglia Parodi, Co-Authors: *Alessio Antropoli, Lorenzo Bianco, Sebastiano Del Fabbro, Annamaria Nunziata, Andrea Saladino, Alessandro Arrigo, Francesco Bandello*
- 9:00 a.m. Rheumatic Fever Disease as a Possible Contributor to Extensive Macular Atrophy (EMAP) with Pseudodrusen
Luiz Lima, Co-Authors: *Michel Farah, Marcos Ávila, Rodrigo Jorge, Carlos Moreira, Antonio Marcelo Casella, Leticia Audi, Ricardo Carvalho*
- 9:05 a.m. Predictors of Macular Atrophy Secondary to Serous PED Collapse in Eyes with Type 3 Neovascularization and AMD
Enrico Borrelli, Co-Authors: *Alessandro Berni, Claudio Foti, Francesco Bandello, Francesco Boscia, Mark Breazzano, Maria Vittoria Cicinelli, Giulia Corradetti, Rosa Dolz-Marco, Alessandro Feo, Dr Roberto Gallego-Pinazo, Paola Marolo, Alessandro Russo, Srinivas Sada, David Sarraf, Ceren Soyhu, Pasquale Viggiano, Michele Reibaldi*
- 9:10 a.m. **Discussion**
- 9:15 a.m. **End of Session/Break**

SESSION XIV

Neovascular AMD II

Moderators: *Gemmy Chui Ming Cheung, Tien Yin Wong*

- 9:30 a.m. Pivotal Study Towards Effectiveness of Artificial Intelligence (AI) Based Analysis of Home OCT and its Clinical Implications
Anat Loewenstein, Co-Authors: Eric Schneider, Nancy Holekamp, Miguel Busquets, Alan Wagner, Krishna Mukkamala, Christopher Riemann, Seong Lee, Brian Joondeph, Steven Houston, Ronald Danis, Jeffrey Heier
- 9:40 a.m. Pivotal Study Comparing Home and in-office OCT Based Visualization and Clinical Implications for Management of Neovascular Age-Related Macular Degeneration (Namd)
Jeffrey Heier, Co-Authors: Nancy Holekamp, Miguel Busquets, Sidney Schechet, Byron Ladd, Kapil Kapoor, Eric Schneider, Ella Leung, Ronald Danis, Michael Elman
- 9:50 a.m. Clinical Impact of Continuous Drug Delivery with the Port Delivery System with Ranibizumab (PDS) in Patients with Neovascular Age-Related Macular Degeneration (Namd)
J. Fernando Arevalo, Co-Authors: Usha Chakravarthy, Aleksandra Rachitskaya, Nancy Holekamp, Steven Blotner, Beatriz Armendariz, Dominic Heinrich
- 10:00 a.m. Outcomes of Treat-and-Extend Using Aflibercept in Type 3 Macular Neovascularization: A Prospective Clinical Trial
Jae Hui Kim
- 10:10 a.m. Aflibercept 8 mg in Neovascular Age-Related Macular Degeneration: 156-Week Results from The PULSAR Extension
Tien Wong
- 10:20 a.m. Indirect Comparison of the Relative Effectiveness of Faricimab vs. Aflibercept 8 mg in Diabetic Macular Edema (DME) and Neovascular Age-Related Macular Degeneration (Namd)
John Wells, Co-Authors: Marco Lupidi, Pearse Keane, Nancy Holekamp, Theodore Leng, Jakob Siedlecki, Florie Mar, Kara Gibson, Philippe Margaron, Tatiana Paulo, Christian Buehrer, David Tabano
- 10:30 a.m. Early Latin American Experience with Faricimab for Retinal Diseases: FARI-LATAM Study for the Pan-American Collaborative Retina Study (PACORES) Group
Libteh Wu, Co-Authors: Mauricio Maia
- 10:40 a.m. Baseline and Early Treatment Response Variables Associated with Faricimab Durability in Treatment-Naïve NAMD: TENAYA/LUCERNE Post Hoc Analyses
Colin Tan, Co-Authors: Dr. Roberto Gallego-Pinazo, Adrian Koh, John Pitcher, Nicholas Dagincourt, Lauren Hill, Sbriji Patel, Philippe Margaron
- 10:50 a.m. Faricimab for Polypoidal Choroidal Vasculopathy: Week 16 Results from the Phase 3b/4 SALWEEN Trial
Gemmy Cheung, Co-Authors: Shib-jen Chen, Tomobiro Iida, Adrian Koh, Won Ki Lee, Paisan Ruamviboonsuk, Xiaodong Sun, Yasuo Yanagi, Ruobing Bai, Philippe Margaron, Anh Nguyen Duc, Timothy Lai
- 11:00 a.m. **End of Session**

Presentation of the W. Richard Green Award and Lecture

“Metabolome Pathology in Aged and Diseased

Photoreceptors — from Otto Warburg, MD to W. Richard Green, MD”

- 11:00 a.m. Introduction and Presentation of the W. Richard Green Award and Lecture – Amani A. Fawzi, MD
- 11:03 a.m. W. Richard Green Award Recipient and Lecture – Stephen H. Tsang, MD, PhD

SESSION XV
NON-NV AMD III: GA

Moderators: Philip J. Rosenfeld, Ursula Schmidt-Erfurth

- 11:20 a.m. Optical Coherence Tomography to Function (OCT Fx) Delphi Study: Global Consensus on Measurement and Analysis of the Ellipsoid Zone in Geographic Atrophy (GA)
Ursula Schmidt-Erfurth, Co-Authors: *Frank Holz, Virginia Mares, Peter Kaiser, Arshad Khanani, Eleonora Lad, Anat Loewenstein*
- 11:30 a.m. Progression of Small-Size Geographic Atrophy Secondary to Age-Related Macular Degeneration
Seung-Young Yu
- 11:40 a.m. Visual Loss in Geographic Atrophy: Learnings from the Lampalizumab Trials
Daniela Ferrara, Co-Authors: *Neba Anegondi, Verena Steffen, Srinivas Sadda, Steffen Schmitz-Valckenberg, Adnan Tufail, Karl Csaky, Eleonora Lad, Usha Chakravarthy*
- 11:50 a.m. Fellow Eye Analysis in Bilateral GA Due to AMD: Long-Term Data from the OAKS, DERBY, and GALE Studies
Thomas Albin, Co-Authors: *Robyn Guymer, Mathew Maccumber, Jason Lin, Roy Schwartz, Song Yu, Caroline Bauman, Srinivas Sadda*
- 12:00 p.m. Development and Validation of a Time-to-Event Risk Calculator for Patients with Geographic Atrophy (GA) Secondary to AMD
Aleksandra Rachitskaya, Co-Authors: *Matthew Davis, Warren Stevens, Avery Mohan, Eric Zuk, Jaclyn Quilantan, Sujata Sarda, Rishi Singh*
- 12:10 p.m. Real-World Efficacy and Safety of Intravitreal Pegcetacoplan for The Treatment of Geographic Atrophy in AMD
Philip Rosenfeld, Co-Authors: *Mengxi Shen, Alessandro Berni, Gissel Herrera, Omar El-Mulki, Sara Begiri, Yuxuan Cheng, Robert O'Brien, Maura Di Nicola, Zohar Yehoshua, Sander Dubovy, Ruikang Wang, Giovanni Gregori*
- 12:20 p.m. Pegcetacoplan for Subfoveal Geographic Atrophy (GA): 36-Month Efficacy and Safety of Continuous Pegcetacoplan from The Gale Open-Label Extension Study
Lawrence J. Singerman
- 12:30 p.m. ***End of Session***

Presentation of the Paul Henkind Memorial Award and Lecture

“Evidence Generation in Intermediate Age-Related Macular Degeneration”

- 12:30 p.m. Introduction and Presentation of the Paul Henkind Memorial Award and Lecture
– Prof. Andrew J. Lotery, MD, FRCOphth
- 12:33 p.m. Paul Henkind Memorial Award Recipient and Lecture
– Sobha Sivaprasad, MD, FRCOphth

Annual Business Meeting

(Box Lunch Provided by Macula Society ~ Members Only)

Great Egret Ballroom

CME CREDIT CANNOT BE CLAIMED DURING THIS SESSION

(Immediately Following the Presentation of the Paul Henkind Memorial Award and Lecture)

SESSION XVI

Artificial Intelligence I

Moderators: Baruch D. Kuppermann, Andrew J. Lotery

- 2:00 p.m. Comparative AI Based on Pairwise Comparisons has the Potential to Overcome Barriers to the Introduction of Artificial Intelligence Systems in Medical Image Diagnosis
Simon Harding, Co-Authors: David Wong, Mark Johnson, Elizabeth Maitland, Wenye Zbu, Dongxu Gao, Philip Burgess, Gabriela Czanner, Yalin Zheng
- 2:05 p.m. Privacy Preserving Technology Using Federated Learning and Blockchain in Protecting Against Adversarial Attacks for Retinal Imaging
Daniel Ting, Co-Authors: Zhen Ling Teo, Li Yuan Jin, Weihong Yu, Wei-Chi Wu
- 2:10 p.m. Specialist Vision-Language Models for Clinical Ophthalmology
Andrew Lotery, Co-Authors: Robbie Holland, Hrvoje Bogunovic, Hendrik Scholl, Toby Prevost, Lars Fritsche, Ursula Schmidt-Erfurth, Daniel Rueckert, Sobha Sivaprasad, Martin Menten
- 2:15 p.m. ***Discussion***
- 2:20 p.m. Dye-Free Fluorescein Angiography and Retinal Leakage Analysis
Alan Cruess, Co-Authors: Colyn Munn, Lina Kamintsky, Yonatan Serlin, Jaime Levy, Majda Hadziabmetovic, Marko Popovic, Rajeev Muni, Alon Friedmann
- 2:25 p.m. AI Analysis of OCT Images from a Phase 1b Study of ONL1204 Fas Inhibition Treatment for Geographic Atrophy Secondary to Age-Related Macular Degeneration
Baruch Kuppermann, Co-Authors: Joseph Blair, Sandro De Zanet, Stefanos Apostolopoulos, Carlos Ciller, Lori Huang, David Zacks
- 2:30 p.m. ***Discussion***
- 2:35 p.m. ***End of Session***

SESSION XVII

Basic Science and AI II

Moderators: *Jennifer J. Kang-Mieler, Paul Sternberg, Jr.*

- 2:35 p.m. Comparison of Geographic Atrophy (GA) Lesion Measurements and Growth Rates Using Semiautomated and Artificial Intelligence (AI) Software
Aude Ambresin, Co-Authors: Mibaela Chitoroaga, Nicolo Bartolomeo, Pathé Barry Mamadou, Yannic Pannatier, Daniela Gallo, Anna Nascimbeni
- 2:40 p.m. AI-Assisted Mathematical Modeling of Geographic Atrophy Growth
Naresb Mandava, Co-Authors: Aaron Beckwith, Yoga Veturi, Steve Mcnamara, Niranjan Manoharan, Praveer Singh, Talisa De Carlo, Anne Lynch, Jayashree Kalpathy-Cramer
- 2:45 p.m. A Data-Driven Natural Language Processing (NLP) Platform for Clinician-Led Exploration of Retinal Fluid Dynamics and Personalized Management of Neovascular Age-Related Macular Degeneration (Namd)
Dinab Zur, Co-Authors: Marganit Gonen-Shabar, Anat Loewenstein, Gidi Benyamini, Moshe Havilio, Shulamit Schwartz, Ronen Tal-Botzer, Neta Bar
- 2:50 p.m. **Discussion**
- 2:55 p.m. Mediterranean and High-Fat Diets Alter Choroidal Neovascularization and Distinctly Shape Gut Microbiota and Metabolites
Dimitra Skondra
- 3:00 p.m. Modulation of intravitreal Gene Therapy Associated Uveitis (GTAU) with Systemic Immune Modulation in Mice
Kathryn Pepple, Co-Author: Glenn Yiu
- 3:05 p.m. **Discussion**
- 3:10 p.m. Ultra-Local Retinal Immunosuppressive Nanoparticles to Mitigate Graft Rejection in Retinal Cell Therapy
Mandeep Singh, Co-Authors: Kang Li, Ying Liu, Wathsala Liyanage, Anjali Sharma, Bani Antonio-Aguirre, Yu-Chen Lu, Zhuolin Li, Yearis Krystal, Kenneth Jimenez, Boaz Goldberg, Annabelle Pan, Minda McNally, Kannan Rangaramanujam
- 3:15 p.m. Biodegradable Microneedle Arrays as a Novel Ocular Drug Delivery System
Jennifer Kang-Mieler, Co-Authors: Yongdeok Jo, William Mieler
- 3:20 p.m. **Discussion**
- 3:25 p.m. **End of Session**

SESSION XVIII

Uveitis

Moderator: *J. Fernando Arevalo, Julia A. Haller*

- 3:25 p.m. Cytomegalovirus Anterior Uveitis: A Multicenter Study in Taiwan
Yib-Sbiou Hwang, Co-Authors: Eugene Yu-Chuan Kang, Wei-Chi Wu, Chi-Chun Lai
- 3:30 p.m. Acute Retinal Necrosis: Morphological Changes of The Macula
Hideo Akiyama, Co-Author: Hidetaka Matsumoto
- 3:35 p.m. Fern-Like Retinal Vasculopathy in Intermediate Uveitis
Maria Vittoria Cicinelli, Co-Authors: Costanza Barresi, Makan Ziafati, Lorenzo Bianco, Prithvi Ramtobul, Francesco Bandello, Elisabetta Misserocchi
- 3:40 p.m. **Discussion**
- 3:45 p.m. Optical Coherence Tomography Angiography in Uveitis: A Comparative Study of Choroidal Microvascular Alterations
Rupesh Agrawal, Co-Authors: Yun Yao Goh, William Rojas-Carabali, Carlos Cifuentes-González, Joewee Boon
- 3:50 p.m. The AIRE Retinopathy Spectrum
José Pulido, Co-Authors: Ari August, Siying Lin, Omar Mabroo, Gregory Hageman, Frederik Van Kuijk, Hossein Nazari, Andrew Browning, Margaret Reynolds
- 3:55 p.m. Nonparaneoplastic Autoimmune Retinopathy: Scoping Review and Suggested Reporting Guidelines
Nieraj Jain
- 4:00 p.m. **Discussion**
- 4:05 p.m. 36-Month Effectiveness, Safety, and Intraocular Pressure Intervention Data from a Real-World Registry (CALM Registry) of the Fluocinolone Acetonide 0.18 mg Implant in Patients with Chronic Noninfectious Uveitis Affecting the Posterior Segment
Phoebe Lin, Co-Authors: Eric Subler, Rishi Singh, Sumit Sharma
- 4:10 p.m. Durability and Safety of Suprachoroidal Triamcinolone Acetonide Injectable Suspension for Uveitic Macular Edema in Real-World Clinical Practice
Parisa Emami, Co-Authors: Kristian Garcia, Teresa Brevetti, Durga Borkar, Abhishek Nair
- 4:15 p.m. Interleukin-6 Inhibition with Vamikibart in Patients with Uveitic Macular Edema: DOVETAIL, MEERKAT, and SANDCAT Trials
Nancy Holekamp, Co-Authors: Phoebe Lin, Laura Steeples, Elze Markus C., Lachlan Macgregor, Ivo Stoilov, David Silverman, Marina Mesquida, Zdenka Haskova
- 4:20 p.m. **Discussion**
- 4:25 p.m. **End of Session**

SESSION XIX

Imaging V and Macular Disease

Moderators: ***Adrian Tien-Chin Fung, SriniVas R. Sadda***

- 4:25 p.m. Comparison of Two-Color (RG) and Three-Color (RGB) Images Obtained by Ultra-WideField Fundus Imaging (Optos)
Mineo Kondo
- 4:30 p.m. In Vivo Assessment of Peripheral Vitreous with Ultra-Widefield Swept-Source Optical Coherence Tomography in Rhegmatogenous Retinal Detachment
Rajeev Muni, Co-Authors: Suellen Demian, Shiva Sabour, Miguel Cruz Pimentel
- 4:35 p.m. Pathogenesis of Ectopic Inner Foveal Layers (EIFL) and its Impact on Visual Recovery after Epiretinal Membrane Peeling
David Sarraf, Co-Authors: Mostafa Mafi, Andrea Govetto
- 4:40 p.m. ***Discussion***
- 4:45 p.m. Peripapillary Retinoschisis - The Expanded Spectrum and New Insights from Multi-Modal Imaging
Adrian Fung, Co-Authors: Yi Yang, Andrew Kam, Fred Chen, Rachael Heath Jeffrey, Andrew Farag, Ananda Kalevar, Jay Chhablani, Marco Lupidi, Michael Chilov, Michael Branley, Jenny Ip, David Kalatzis, Shanil Dhanji, Devin Bestch, Rishi Gupta, Netan Choudhry, Diogo Cabral, Caroline Baumas, K. Bailey Freund
- 4:50 p.m. Retinal Ischemic Perivascular Lesions (RipLs) Correlate with Cardiovascular Disease Burden
Mathieu Bakkoum
- 4:55 p.m. ***Discussion***
- 5:00 p.m. Retinal Artery Occlusion in Young Patients without Typical Cardiovascular Risk Factors: Etiologies, Prognosis, and Suggested Work-Up
Jason Miller, Co-Authors: Sadhana Murali, Alejandra Maiz
- 5:05 p.m. Five Year Treatment Outcomes of Macular Oedema Secondary to CRVO in Routine Clinical Practice: The Fight Retinal Blindness! Registry
Daniel Barthelmes, Co-Authors: Katrin Rudolph, Marianna Rosso, Adrian Hunt, Louise O Toole, Alessandro Invernizzi, David Squirrell, Hemal Metha, Richard Barry, Pierre-Henry Gabrielle, Mark Gillies
- 5:10 p.m. ***Discussion***
- 5:15 p.m. ***End of Session***

SATURDAY, FEBRUARY 15, 2025

SESSION XX

Inherited Retinal Dystrophy II

Moderators: Paul S. Bernstein, Mark Pennesi

7:00 a.m. Functional Transition Points: Assessing Changes in Visual Field Sensitivity with Function-Guided Prespecification of Points
Rachel Huckfeldt

7:05 a.m. Application of New Molecular Technologies in the Genetic Diagnosis of Hereditary Retinal Dystrophies.
Luis Arias

7:10 a.m. Primary Outcome Results from the Moran AMD Genetic Testing Assessment (MAGENTA) Trial
Paul Bernstein, Co-Authors: *Emmanuel Kofi Addo, Lucia Lucci, Mary Elizabeth Hartnett*

7:15 a.m. ***Discussion***

7:20 a.m. Co-Localization of RPE Loss and Increased Choroidal Vascular Lumen Volume
Raymond Iezzi, Co-Author: *Rui Zhou Ye*

7:25 a.m. Peripheral Retinal Vascular Loss in Retinitis Pigmentosa
Hossein Ameri, Co-Authors: *Alexander Hong, Jason Chwa*

7:30 a.m. Gene Editing for CEP290-Associated Retinal Degeneration
Tomas Aleman, Co-Authors: *Eric Pierce, Thiran Jayasundera, Bright Ashimatey, Keunpyo Kim, Alia Rashid, Michael Jaskolka, Byron Lam, Steven Bailey, Jason Comander, Andreas Lauer, Albert Maguire, Mark Pennesi*

7:35 a.m. ***Discussion***

7:40 p.m. ***End of Session***

SESSION XXI

Basic Science and IRD III

Moderators: ***Omar Mabroo, Stephen H. Tsang***

- 7:40 a.m. Clinical Evidence of a Photoreceptor Origin in Diabetic Retinal Disease
Rithwick Rajagopal, Co-Author: *Timothy Kern*
- 7:45 a.m. The ERG I-Wave Associates with a Myopia Risk Locus Supporting Relevance of Retinal OFF-Pathways in Myopia
Omar Mabroo, Co-Authors: *Zibe Xu, Jit Kai Tan, Krisbnika Vetrivel, Xiaofan Jiang, Shaun Leo, Anthony Robson, Christopher Hammond, Pirro Hysi*
- 7:50 a.m. ***Discussion***
- 7:55 a.m. Human Umbilical Cord Lining Epithelial Cells as a Hypoimmunogenic Source for Retinal Regenerative Therapy
Xinyi Su
- 8:00 a.m. Translational Models for Choroidal Endothelial Cell Injury and Therapeutic Replacement Using Self-Healing Hydrogels
Ian Han, Co-Authors: *Narendra Pandala, Lorena De Melo Haefeli, Robert Mullins, Edwin Stone, Budd A. Tucker*
- 8:05 a.m. Matrix Metalloproteinase 2 and Choroidal Atrophy in Choroideremia
Abigail Fabim, Co-Authors: *Maide Raeker, Nirosha Dayanthi Perera, Athanasios Karoukis, Kecia Feathers, Rachel Todromovich*
- 8:10 a.m. ***Discussion***
- 8:15 a.m. Monocarboxylate Transporter (MCT) 4 Inhibition Ameliorates Key Aspects of PVR Pathogenesis in Vitro and is Non-Toxic to RPE Cell Viability and Retinal Function
Ajay Kuriyan, Co-Authors: *Lauren Danielle, Nancy Philp*
- 8:20 a.m. Topotecan as a Therapy for Proliferative Vitreoretinopathy: Insights from a Patient-Derived Cell Model
Leo Kim, Co-Authors: *Jeysson Sanchez-Suarez, Elizabeth Rossin, Dean Elliott, Michael O'Hare*
- 8:25 a.m. ***Discussion***
- 8:30 a.m. ***End of Session***

Presentation of the Evangelos S. Gragoudas Award and Paper

“Liquid Biopsy for Proliferative Diabetic Retinopathy: Human Vitreous Single-Cell Transcriptomics Reveals Inflammatory T Cell Signature”

- 8:30 a.m. Introduction and Presentation of the Evangelos S. Gragoudas Award and Lecture
– Mark W. Johnson, MD
- 8:33 a.m. Evangelos S. Gragoudas Award Recipient and Lecture
– Rachana Haliyur, MD, PhD

SESSION XXII

Vitreoretinal Surgery and Pharmacotherapy

Moderators: ***William F. Mieler, John T. Thompson***

- 8:45 a.m. Trends in Medicare Reimbursement and Service Volume of Vitreoretinal Procedures Over Two Decades
Ron Adelman, Co-Author: *Eric Li*
- 8:50 a.m. Pre- and Post-Operative Light Scattering Characteristics (LSC) of Symptomatic Vitreous Floaters and Opacities (VFO)
Paulo-Eduardo Stanga, Co-Authors: *Dan Reinstein, Francisco Javier Valentin Bravo, Andrea Saladino, Sebastian Stanga, Ursula Reinstein, Yvonne O'Neill, Kraig Frederick, Chris Koutsidis, Stuart Harmer, Timothy Archer, Jerry Sebag, John Marshall*
- 8:55 a.m. Association between Systemic Methotrexate Therapy and Proliferative Vitreoretinopathy
Jay Stewart
- 9:00 a.m. ***Discussion***
- 9:05 a.m. 1-Step vs. 2-Step Subretinal Injection Trial (1,2-SIT) – A Randomized Controlled Trial to Compare Two Methods of Sub-Retinal Injection
Matthew Simunovic
- 9:10 a.m. Dynamic Closure Techniques for Treatment of Full Thickness Macular Hole without Gas Tamponade
Peiquan Zhao
- 9:15 a.m. Finesse-Loop Giant Retinal Flap as Primary Surgery for Idiopathic Macular Hole
Rodrigo Jorge, Co-Author: *Antonio Marcelo Casella, Moises Lucena, Leticia Audi, Victor Bellanda*
- 9:20 a.m. ***Discussion***
- 9:25 a.m. Incidence of Anti-Vascular Endothelial Growth Factor Intravitreal Injections for Non-Food and Drug Administration Approved Indications
Scott Friedman, Co-Authors: *Ravi Parikh, Elias Kaban, Casey Zhang, Rbiya Mittal, Arjun Watane, Flora Lum*
- 9:30 a.m. Comparison of Silicone Oil Droplet Quantity from Syringes Used for Intravitreal Injections
John Thompson, Co-Authors: *Libby Wei, Erica Lee, Xiaoxuan Fan*
- 9:35 a.m. Implementation of Optimized Surgical Steps for the Port Delivery System with Ranibizumab (PDS) and the Incidence of Endophthalmitis and Associated Patient Outcomes
Nauman Chaudbry, Co-Authors: *Peter Campochiaro, Margaret Chang, Dante Pieramici, Carl Regillo, Ashwini Bobbala, Shamika Gune, Philip Jaycock, David Kardatzke, Alisa Prager, Natasha Singh*
- 9:40 a.m. ***Discussion***
- 9:45 a.m. ***End of Session/Break***

SESSION XXIII

Pediatrics

Moderators: *Philip Ferrone, Mary Elizabeth Ruth Hartnett*

- 10:00 a.m. Evaluating The Utility of Initial Exams in Retinopathy of Prematurity: Proposal of FIRST-ROP Algorithm for a Medium-Risk Cohort
Nimesh Patel, Co-Authors: *Francisco Altamirano, Melissa Yuan, Sandra Hoyek, Daniel Hu, Muhammad Abidi, Celine Chaaya, Hanna De Bruyn, Anne Fulton, Iason Mantagos, Carolyn Wu, Ryan Gise, Efren Gonzalez, Deborah Vanderveen*
- 10:05 a.m. Pediatric Patients with Posterior Segment Findings Identified from a Large School Screening Program
Stephen Schwartz, Co-Authors: *Bailey Peterson, Michael Antonietti, Carlos Mendoza Santiesteban, Basil Williams, Jr., Audina Berrocal*
- 10:10 a.m. ***Discussion***
- 10:15 a.m. Genotypic Spectrum, Phenotypic Variability and Clinical Correlations in Familial Exudative Vitreoretinopathy: Insights from a Single-Center Cohort
Mary Elizabeth Hartnett, Co-Authors: *Brian Soetikno, Emily Spoth*
- 10:20 a.m. Faricimab for Coats Disease
Yoshihiro Yonekawa, Co-Authors: *Emmanuel Chang, Sami H Uwaydat, Meera Sivalingam, Flavius Beca*
- 10:25 a.m. ***Discussion***
- 10:30 a.m. ***End of Session***

SESSION XXIV

Diabetic Retinopathy III

Moderators: ***Alexander J. Brucker, Jennifer K. Sun***

- 10:30 a.m. Diabetic Peripheral Neuropathy
Gary Brown, Co-Author: *Melissa Brown*
- 10:40 a.m. The Risk of Hypoglycemia in Diabetes: An Outcomes-Based Analysis
Darren Jindal, Co-Authors: *Chandruganesb Rasendran, Mohamed Soliman, Ahmed Sallam, Shree Kurup*
- 10:50 a.m. 20 Year Trends in Diabetic Retinal Disease
Brian Vanderbeek, Co-Authors: *Yinxi Yu, Serena Cardillo, Rebecca Hubbard*
- 11:00 a.m. Using a Diagnostic Dataset to Enrich Recruitment for DRCR Retina Network Clinical Trials: A Feasibility Study
Alexander Brucker
- 11:10 a.m. The Inflammatory Mediators in the Pathophysiology of Diabetic Retinopathy (INSPIRE): Baseline and 1-Year Results
Stephen Kim, Co-Authors: *Sapna Gangaputra, Jinsong Sheng, Lindsay Veach, Crystal Nicholson*
- 11:20 a.m. Retinal Fluid and Thickness Fluctuations in Pagoda Trial of Port Delivery System with Ranibizumab (PDS) in Patients with Diabetic Macular Edema (DME)
Gavin Tan, Co-Authors: *Dennis Marcus, Carl Awb, Nicole Eter, Katja Hatz, Alicia Menezes, Maria Eghoej, Andrew Gordon, Steven Blotner, Dominic Heinrich*
- 11:30 a.m. Long-Term Effects of Anti-VEGF Therapy Versus Panretinal Photocoagulation on Retinal Vessel Caliber in Eyes with Proliferative Diabetic Retinopathy
Jennifer Sun, Co-Authors: *Kristin Josic, Jeong Pak, Stacy Meuer, Michele Melia, Amittha Domalpally, Barbara Blodi*
- 11:40 a.m. Week 96 Outcomes in Aflibercept 8 mg- and 2 mg-Treated Patients by Prior DME Treatment Status: A Subgroup Analysis of The Phase 2/3 PHOTON Trial
Basil Williams
- 11:50 a.m. ***End of Session***

SESSION XXV

NV AMD III

Moderators: *Usba Chakravarthy, David Sarraf*

- 11:50 a.m. Clinical Characteristics and Treatment Outcomes of Breakthrough Vitreous Hemorrhage in Peripheral Exudative Hemorrhagic Chorioretinopathy (PEHCR)
William Mieler, Co-Authors: Thanaporn Kritfuangfoo, Yanliang (Aria) Li
- 12:00 p.m. Submacular Hemorrhage Rates Following Anti-Vascular Endothelial Growth Factor Injections for Exudative Age-Related Macular Degeneration
Matthew Starr, Co-Authors: Gabriel Kaufman, Nitika Aggarwal, Nick Boucher, Chakshu Sharma
- 12:10 p.m. Changes in PED Associated with MMP9 Genotype in Treated Eyes with Neovascular AMD
Elliott Sobn, Co-Authors: Bernardo Bach, Zbi Chen, Thomas Martinez, Ben Roos, Edwin Stone, Todd Scheetz, John Fingert, Milan Sonka
- 12:20 p.m. Macular Atrophy (Crora) During Long-Term Anti-VEGF Therapy in Namd – Characteristics and Functional Implications
Daniel Pauleikboff
- 12:30 p.m. Associations Between Macular Fibrosis and Macular Atrophy in Patients with Neovascular Aged Macular Degeneration
Usba Chakravarthy, Co-Authors: Lajos Csincsik, Reinier Schlingemann, Laurent Kodjikian, Taffeta Yamaguchi, Theo Empeslidis, Tunde Peto
- 12:40 p.m. *End of Session/Closing Remarks*

*2025
Medals, Awards,
Lectures and Papers*

Wednesday - Saturday

February 12 - 15, 2025

Sunseeker

Charlotte Harbor, Florida

2025 Arnall Patz Medal

Albert M. Maguire, MD

Presented by Julia A. Haller, MD

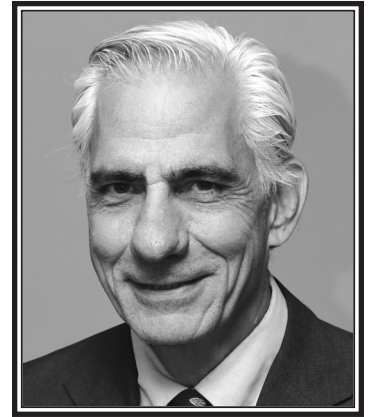
Wednesday, February 12, 2025 – 6:11 p.m.

The Arnall Patz Medal is presented for outstanding contributions in retinal vascular and macular diseases

PAST RECIPIENTS

Arnall Patz, MD
Matthew Davis, MD
John Clarkson, MD, 1995
Daniel Finkelstein, MD, 1995
Ronald Klein, MD, 1996
Rosario Brancato, MD, 1997
Koichi Shimizu, MD, 1998
Morton F. Goldberg, MD, 1999
W. Richard Green, MD, 2000
Sohan S. Hayreh, MD, 2001
Eva M. Kohner, MD, FRCP, 2002
Gary C. Brown, MD, MBA, 2003
Evangelos Gragoudas, MD, 2004
Harvey Lincoff, MD, 2005
Michael L. Klein, MD, 2006
Jean-Jacques De Laey, MD, 2007
Yuval Yassur, MD, 2007
Napoleone Ferrara, MD, 2008
Lawrence J. Singerman, MD,
FACS, 2009
Lawrence A. Yannuzzi, MD, 2010

Leonidas Zografos, MD, 2011
Gabriel J. Coscas, MD, 2012
Peter A. Campochiaro, MD, 2013
Tien Y. Wong, MD, PhD, 2014
Anat Loewenstein, MD, 2015
Paul Sternberg, Jr., MD, 2016
Neil M. Bressler, MD, 2017
Alexander J. Brucker, MD, 2018
Mary Elizabeth Hartnett, MD,
FACS, FARVO, 2019
Andrew P. Schachat, MD, 2020
Shoji Kishi, MD, 2021
José Cunha-Vaz, MD, PhD, 2022
Ursula M. Schmidt-Erfurth,
MD, 2023
Richard F. Spaide, MD, 2024



**Albert M. Maguire,
MD**

Albert M. Maguire, MD, graduated summa cum laude with a BA in Psychology from Princeton University in 1982 then received his MD degree from Harvard Medical School in 1986. After completing an internship in Surgery at Yale University School of Medicine, he entered the residency program at the Johns Hopkins Hospital Wilmer Institute while Dr Arnall Patz was serving as chair. After finishing his residency at Wilmer in 1990, he completed a retinal fellowship with the Associated Retinal Consultants at the William Beaumont Hospital in Royal Oak, Michigan. He then served as the Assistant Chief of Service/Chief Resident at Wilmer under Morton Goldberg from 1991-92. He was recruited to University of Pennsylvania (UPenn) and The Children's Hospital of Philadelphia (CHOP) in 1992 and has worked there for his entire career. Dr. Maguire is currently the F.M. Kirby Professor of Molecular Ophthalmology and the Co-Director of the Center for Advanced Retinal and Ophthalmic Therapeutics (CAROT) at the UPenn Perelman School of Medicine.

He devoted his research career to the conduct of gene therapy translational studies. His research and clinical expertise made it possible to test the first definitive retinal gene therapy treatment for patients with blinding retinal degenerations. He developed the methodology and carried out the majority of the preclinical surgical small and large animal gene therapy surgeries. Those studies yielded the safety and efficacy results that enabled progression to clinical trials for teams developing gene therapy for RPE65 deficiency. He served as Principal Investigator for the Phase 1 through 3 gene therapy trials that led to the first USA FDA-approved in vivo gene therapy product (Luxturna™2017), a product now administered worldwide.

During the trials, Dr. Maguire was the first to: 1) enroll pediatric subjects with a non-lethal disease as gene therapy participants, 2) to test the re-administration of a gene therapy reagent and 3) complete the first randomized, controlled, multi-center gene therapy trial targeting a genetic disease. He also helped develop gene therapy surgical training programs, thereby expanding access to this technology around the world.

Dr. Maguire has been the PI and surgeon for several other gene therapy clinical trials, including for choroideremia, for the neovascular form of age-related macular degeneration, and he was the surgeon for the first CRISPR-Cas gene editing gene therapy clinical trial (for a congenital blindness CEP-290).

2025 Lawrence J. Singerman Medal

Arshad M. Khanani, MD, MA, FASRS

Presented by David S. Boyer, MD

Wednesday, February 12, 2025 – 6:20 p.m.

To be awarded each year to one outstanding Macula Society member for outstanding contributions to the advancement of science through retinal clinical trials

PAST RECIPIENTS

Lawrence J. Singerman, MD,
FACS, 2017

Emily Y. Chew, MD, 2018

Matthew D. Davis, MD, 2019

Maureen G. Maguire, PhD,
FARVO, 2019

Stephen R. Russell, MD, 2020

Frederick L. Ferris III, MD, 2021

Lloyd Paul Aiello, MD, PhD,
FARVO, 2022

Usha Chakravarthy, FRCOphth,
PhD, CBE, 2023

Barbara A. Blodi, MD, 2024



**Arshad M. Khanani,
MD, MA, FASRS**

Arshad M. Khanani, MD, MA, FASRS, is the Managing Partner, Director of Clinical Research, and Director of Fellowship at Sierra Eye Associates, as well as a Clinical Professor at the University of Nevada, Reno School of Medicine.

Dr. Khanani founded the clinical research department at Sierra Eye Associates, which has since become one of the nation's leading centers for clinical research. He has served as the principal investigator in over 120 clinical trials and has been a top enroller for several Phase 1-3 trials. He is also at the forefront of several collaborative studies examining real-world outcomes for newly approved treatments. Additionally, Dr. Khanani has been the first to perform surgical procedures in various clinical trials focused on sustained drug delivery and gene therapy. His extensive body of work includes numerous publications in highly regarded journals such as *The Lancet*, *Ophthalmology*, and *JAMA Ophthalmology*.

Dr. Khanani is a lead principal investigator for several ongoing clinical trials and contributes to national and international clinical trial steering committees and scientific advisory boards. These efforts are aimed at developing new treatment options for patients with retinal diseases. A sought-after speaker, he is frequently invited to present at major national and international meetings. In 2021, Dr. Khanani founded the Clinical Trials at the Summit meeting to foster discussion on clinical trial design and data.

Dr. Khanani is a distinguished member of both the Macula Society and the Retina Society, and he has earned various honors throughout his career. In 2019, he was named Healthcare Heroes Physician of the Year by Nevada Business Magazine for his dedication to ophthalmology. In 2023, he was chosen to deliver the prestigious Ernst Bodenheimer Memorial Lecture at the Wilmer Eye Institute, Johns Hopkins University. Dr. Khanani was also the recipient of the American Society of Retina Specialists (ASRS) Presidents' Young Investigator Award in 2021 and the ASRS Presidential Award in 2024.

2025 Macula Society Young Investigator Award and Lecture

(previously the Richard and Hinda Rosenthal Award)

Mark Pennesi, MD, PhD, FARVO

Presented by Christina Flaxel, MD

Thursday, February 13, 2025 – 10:40 a.m.

*To that individual or group of individuals under 50 years of age
whose work gives promise of notable advance in the clinical treatment
of disorders of the eye*

PAST RECIPIENTS

Bert M. Glaser, MD, 1991
Mark S. Blumenkranz, MD, 1992
Thaddeus P. Dryja, MD, 1993
Carman A. Puliafito, MD, 1994
Matthew A. Thomas, MD, 1995
Peter A. Campochiaro, MD, 1996
Niel M. Bressler, MD, 1997
Edwin M. Stone, MD, 1998
Joan W. Miller, MD, 1999
William E. Smiddy, MD, 2000
Richard F. Spaide, MD, 2001
Susan B. Bressler, MD, 2002
Carol L. Shields, MD, 2002
Lloyd Paul Aiello, MD, PhD, 2003
Jason S. Slakter, MD, 2003
Daniel F. Martin, MD, 2004
Ursula Schmidt-Erfurth, MD, 2005
Timothy G. Murray, MD, MBA, 2005
Anat Loewenstein, MD, 2006
Philip J. Rosenfeld, MD, PhD, 2007
Glenn J. Jaffe, MD, 2007
J. William Harbour, MD, 2008

Timothy W. Olsen, MD, 2010
K. Bailey Freund, MD, 2011
SriniVas R. Sadda, MD, 2012
Rajendra S. Apte, MD, PhD, 2013
Michael D. Abramoff, MD, PhD, 2013
Wai T. Wong, MS, PhD, 2014
Michael S. Ip, MD, PhD, 2015
Eric H. Souied, MD, 2016
Gemmy Chui Ming Cheung, MD, 2017
Peter K. Kaiser, MD, 2017
Stephen H. Tsang, MD, PhD, 2018
Giuseppe Querques, MD, PhD, 2019
Nadia K. Waheed, MD, MPH, 2020
Amani Fawzi, MD, 2020
Jennifer K. Sun, MD, MPH, 2021
Elliott H. Sohn, MD, 2021
Justis P. Ehlers, MD, 2022
Cagri G. Besirli, MD, PhD, 2022
Mandeep S. Singh, MD, MBBS,
PhD, FRCSEd, DPhil, 2023
Steffen Schmitz-Valckenberg,
MD, FEBO, 2024



**Mark Pennesi, MD,
PhD, FARVO**

Mark Pennesi, MD, PhD, FARVO, is the Director of Inherited Retinal Degeneration Clinic at the Retina Foundation of the Southwest as well as an adjunct Professorship in Ophthalmology and Molecular and Medical Genetics at Oregon Health & Science University's Casey Eye Institute. He was born in Mount Kisco, NY, but grew up in Dallas, Texas where he attended Jesuit College Preparatory School. He attended the University of Pennsylvania where he graduated summa cum laude with a bachelor's degree in biomedical engineering and was awarded the Herman P. Schwann award in bioengineering for exemplary scholarship.

Then he pursued combined at MD/PhD at Baylor College of Medicine in Houston, Texas. He received numerous awards while in graduate school including the John J. Trentin Award for earning the highest GPA in his class and the BRASS scholarship for playing an active role in community service. This was followed by a residency in Ophthalmology at University of California – San Francisco, where he was awarded the Hogan-Garcia Award for having the best resident research project.

Dr. Pennesi has received the ARVO/Alcon Early Career Clinician-Scientist Research Award, was a recipient of an FFB career development award, an RPB career development award, and an FFB enhanced career development award. He was awarded the Alcon Young Investigator Award in 2014 and the Casey Eye Institute Residency Teaching award in 2015.

Dr. Pennesi is a clinician scientist with a passion for developing novel therapeutic regimens for inherited retinal diseases. He has published over 175 peer reviewed publications in the field on inherited retinal degenerations, imaging, and clinic trial endpoints. He has been the PI or Co-PI on numerous first in human clinical trials including: gene augmentation therapy for RPE65-related retinopathy, ABCA4-related retinopathy, GUCY2D-related retinopathy, Type 1B Usher syndrome, CNGA3 and CNGB3-related achromatopsia, X-linked retinoschisis, X-linked retinitis pigmentosa, and choroideremia. He was a principal investigator on the Editas Brilliance trial where the first patient in the world was treated with gene editing from CEP290-related retinopathy.

2025 J. Donald M. Gass Medal

Mark W. Johnson, MD

Presented by Daniel F. Martin, MD

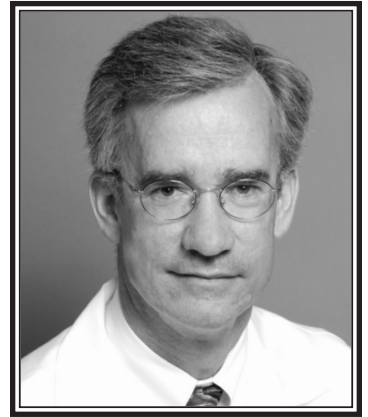
Thursday, February 13, 2025 – 1:00 p.m.

The J. Donald M. Gass Medal is presented for outstanding contributions in the study of macular diseases

PAST RECIPIENTS

J. Donald M. Gass, MD
W. Richard Green, MD
Stuart Fine, MD, 1995
Gabriel J. Coscas, MD, 1996
Alan Bird, MD, 1997
Lawrence A. Yannuzzi, MD, 1998
Lawrence J. Singerman, MD, 1999
Harvey A. Lincoff, MD, 2001
Evangelos S. Gragoudas, MD, 2002
Neil M. Bressler, MD, 2003
Lee M. Jampol, MD, 2004
Gisèle Soubrane, MD, 2005
Emily Y. Chew, MD, 2006
Jerry A. Shields, MD, 2007
Carmen A. Puliafito, MD 2008
Joan W. Miller, MD, 2009
Alexander J. Brucker, MD, 2010
Janet S. Sunness, MD, 2011

Frederick L. Ferris III, MD, 2012
William F. Mieler, MD, 2013
Anita Agarwal, MD, 2014
Julie A. Haller, MD, 2015
Daniel F. Martin, MD, 2016
Richard F. Spaide, MD, 2017
Ursula Schmidt-Erfurth, MD, PhD, 2018
Usha Chakravarthy, MBBS, MD, PhD, 2019
Paul Sternberg, Jr., MD, 2020
Gregg T. Kokame, MD, MMM, 2021
Kyoko Ohno-Matsui, MD, PhD, 2022
J. Fernando Arevalo, MD, PhD, FACS, FASRS, 2023
Professor Graham E. Holder, PhD, 2024



**Mark W. Johnson,
MD**

Mark W. Johnson, MD, is Professor of Ophthalmology and Visual Sciences and Chief of the Retina Service at the University of Michigan Medical School in Ann Arbor. He received his medical degree from the University of Utah, served his residency in ophthalmology at the University of Michigan, and completed fellowships in medical retina (with J. Donald M. Gass) and vitreoretinal surgery at the Bascom Palmer Eye Institute. He currently serves as Chair of the Appointments and Promotions Committee for the Department of Ophthalmology and Visual Sciences.

Dr. Johnson's chief clinical research interests include pathogenesis and treatment of macular diseases, pathogenesis and treatment of vitreomacular interface disorders, and vitreoretinal surgical strategies, as well as the measurable benefits of compassion in healthcare. He has served as principal investigator and independent data monitoring committee member for numerous international multicenter clinical trials in age-related macular degeneration, retinal vascular disease, and vitreoretinal disorders. He lectures widely on retina topics, having delivered 25 named lectures and over 250 invited talks nationally and internationally. He has authored or co-authored nearly 250 peer-reviewed papers and book chapters.

Dr. Johnson has received a U.S. Presidential Scholar Award, the Senior Achievement Honor Award and Life Achievement Honor Award from the American Academy of Ophthalmology, and the Heed-Gutman Award from the Society of Heed Fellows. He has served as President of both The Macula Society and The Retina Society, program chair for the American Ophthalmological Society, and Director of the American Academy of Ophthalmology Retina Subspecialty Day.

2025 W. Richard Green Award and Lecture

Stephen H. Tsang, MD, PhD

Presented by Amani A. Fawzi, MD

Friday, February 14, 2025 – 11:00 a.m.

Given for significant contributions to our understanding of the pathogenesis of retinal diseases

PAST RECIPIENTS

Mark O.M. Tso, MD, 2001
Daniel M. Albert, MD, 2002
J. Donald M. Gass, MD, 2004
Hans E. Grossniklaus, MD, 2005
Mark Blumenkranz, MD, 2006
Michael Marmor, MD, 2007
Sohan S. Hayreh, MD, PhD, DSc, 2008
Prof. Dr. Anselm Kampik, 2009
Ralph C. Eagle, Jr., MD, 2010
David N. Zacks, MD, 2011
David J. Wilson, MD, 2012
John Sarks, FRCS, FRANZCO, 2013
Shirley Sarks, FRCS, FRANZCO, MD, 2013
Hendrik P.N. Scholl, MD, MA, 2014
Richard F. Spaide, MD, 2015
Carol L. Shields, MD, 2016

Rajendra S. Apte, MD, PhD, 2017
Jerry A. Shields, MD, 2018
Paul S. Bernstein, MD, PhD, 2019
Robyn H. Guymer, AM, MD, MBBS, PhD, FRANZCO, FAHMS, 2020
Srinivas R. Sadda, MD, FARVO, 2021
Prof. Frank G. Holz, MD, FEBO, FARVO, 2022
David Sarraf, MD, 2023
James T. Handa, MD, 2024



**Stephen H. Tsang,
MD, PhD**

Stephen H. Tsang, MD, PhD, graduated from Johns Hopkins University, where he began medical genetics training under the tutelage of Victor A. McKusick, MD and studied vitreous specimen from W. Richard Green, MD's laboratory. He received his dual M.D.-Ph.D. degrees from Columbia University through the NIH-National Institute of General Medical Sciences Medical Scientist Training Program (MSTP). He is a professor of Pathology, Ophthalmology, and Cell Biology at Columbia Stem Cell Initiative.

Dr. Tsang's dedication to retinitis pigmentosa (RP) patient care has been recognized by numerous honors, including the 2005 Bernard Becker-Association of University Professors in Ophthalmology Research to Prevent Blindness Award, the Carl Camras Award, the 2013 Bradley Straatsma Lectureship, and the Macula Society Young Investigator Award in 2018. Additionally, he was awarded the resident teaching award in 2008. He is an elected member of honor societies such as the American Society for Clinical Investigation, the Alcon Research Institute, and the American Ophthalmological Society. He is consistently named to various NIH study sections (DPVS standing member 2014-8; PED2 standing member 2022-6).

He has been culturing embryonic stem (ES) cells since 1992 and created the first mouse model for a recessive form of retinitis pigmentosa (RP) by applying genome engineering to ES cell technology in 1995. He successfully treated preclinical models of Pde6a, Pde6b, Mfrp, Rho, Cngb1 and autosomal recessive bestrophin retinopathies. He is also leading efforts in FDA and EMA trials, including PDE6A, RAB geranylgeranyl transferase, RPGR, CNGB3, CNGA3 and ABCA4 retinopathies.

2025 Paul Henkind Memorial Award and Lecture

Sobha Sivaprasad, MD, FRCOphth
Presented by Prof. Andrew J. Lotery, MD, FRCOphth
Friday, February 14, 2025 – 12:30 p.m.

The Paul Henkind Memorial Lecture and Award is presented to an individual for outstanding retinal research

PAST RECIPIENTS

John Marshall, MD, 1987
Morton F. Goldberg, MD, 1988
Arnall Patz, MD, 1989
Lloyd M. Aiello, MD, 1990
Alan Bird, MD, 1991
Jerry A. Shields, MD, 1992
Lawrence A. Yannuzzi, MD, 1993
Howard Schatz, MD, 1994
J. Donald M. Gass, MD, 1995
Mark O. M. Tso, MD, 1996
Lee M. Jampol, MD, 1997
Jose Cunha-Vaz, MD, PhD, 1998
Curtis Meinert, PhD, 1999
Gerald A. Fishman, MD, 2000
Thomas M. Aaberg, Sr., MD, 2001
Frederick L. Ferris III, MD, 2002
Gerard Luty, PhD, 2003
Gholam Peyman, MD, 2004
Robert N. Frank, MD, 2005
Peter Hamilton, MD, 2006
Paul Sternberg, Jr., MD, 2007

Lloyd P. Aiello, MD, PhD, 2009
Anthony P. Adamis, MD, 2010
Joan W. Miller MD, 2011
Usha Chakravarthy, MD, 2012
Richard F. Spaide, MD, 2013
J. William Harbour, MD, 2014
Alain Gaudric, MD, 2015
Mary Elizabeth Ruth Hartnett, MD, FACS, FARVO, 2016
SriniVas R. Sadda, MD, 2017
Cynthia A. Toth, MD, 2018
Jose S. Pulido, MD, MS, MBA, MPH, 2019
Hendrik P.N. Scholl, MD, MA, PhD, 2020
Jennifer I. Lim, MD, FARVO, 2021
Ivana K. Kim, MD, PhD, MBA, 2022
Russell N. VanGelder, MD, PhD, 2022
Richard B. Rosen, MD, ScD (Hon), FACS, FASRS, FARVO, CRA, 2023
Andrew J. Lotery, MD, FRCOphth, 2024



**Sobha Sivaprasad,
MD, FRCOphth**

Sobha Sivaprasad, MD, FRCOphth, is a Medical Retina Consultant Ophthalmologist at Moorfields Eye Hospital NHS Foundation Trust and a Professor in Retinal Clinical Research at University College London. She is the Director of Moorfields Clinical Research Facility and the Vascular Theme Lead for Moorfields Biomedical Research Centre.

She is the Chair of the Scientific Committee of the Royal College of Ophthalmologists. Professor Sivaprasad has published more than 500 peer-reviewed publications. Her main research interests are clinical trials, imaging and risk prediction. She works collaboratively with a large number of institutions both in the UK and globally. She has been the Editor-in-Chief of Eye since January 2018.

2025 Evangelos S. Gragoudas Award and Paper

Rachana Haliyur, MD, PhD

Presented by Mark W. Johnson, MD

Saturday, February 15, 2025 – 8:30 a.m.

The Evangelos S. Gragoudas Award and Paper is presented to the Vitreo Retinal fellow, sponsored by an active member, who has the most highly regarded paper either published or in press as determined by the Awards Committee members' ranking

PAST RECIPIENTS

Mark Kleinman, MD, 2012

Ruwan Amila Silva, MD, 2013

Glenn C. Yiu, MD, PhD, 2014

John B. Miller, MD, 2015

Yannis M. Paulus, MD, 2015

Ajay E. Kuriyan, MD, 2016

Jeffrey Ryuta Willis, MD, 2017

Miin Irene Roh, MD, PhD, 2018

Daniel Shu Wei Ting, MD, PhD, 2019

Sally Shin Yee Ong, MD, 2020

Jason M. L. Miller, MD, PhD, 2021

Matthew R. S. Starr, MD, 2021

Edward Korot, MD, 2022

Inês Laíns, MD, PhD, 2023

Giulia Corradetti, MD, 2024



**Rachana Haliyur,
MD, PhD**

Rachana Haliyur, MD, PhD, completed her ophthalmology residency at Kellogg Eye Center in 2024, serving as co-chief resident in her final year. Prior to her time in Michigan, she earned her MD and PhD at Vanderbilt University under the mentorship of Marcela Brissova, PhD and Alvin C. Powers, MD.

Her NIH-funded doctoral work identified important molecular and functional features of the α and β cells within the human type 1 diabetes pancreas and monogenic form of diabetes caused by an autosomal dominant variant in hepatocyte nuclear factor-1 α (HNF1A).

During her ophthalmology residency, she has continued a translational research program focused on molecular mechanisms underlying inflammation in diabetic retinopathy (DR) through the study of post-mortem human retinal tissue from early DR, surgically harvested vitreous tissue in patients with vision threatening proliferative DR, and clinical findings in patients with diabetic macular edema.

She has presented her work at multiple regional and national scientific venues, including selection for oral presentations. She has received multiple accolades for her research including the Vanderbilt University Dean's Award for Research, George Slocum Resident Research Award, and Heed Ophthalmic Foundation Fellowship.

Currently, she is a first year Vitreoretinal Surgical Fellow at Kellogg and plans to pursue a career as a surgeon-scientist in the field of diabetic retinopathy

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SAVE THE DATE
2026

49TH ANNUAL
MACULA SOCIETY MEETING

HOTEL DEL CORONADO
CORONADO, CALIFORNIA

FEBRUARY 25 - 28, 2026