

PRESENTED BY THE JOHNS HOPKINS WILMER EYE INSTITUTE

MACULA 2025

In Conjunction with the
5th Annual Retinal Festival

SATURDAY, JANUARY 11, 2025

Livestream via Zoom or Thomas B. Turner Building
Johns Hopkins University School of Medicine
Baltimore, Maryland



This activity has been approved for AMA PRA Category 1 Credits™.

SAVE THE DATE!



Atlantic Coast Retina Conference

This activity is not eligible for AMA PRA Category 1 Credit™.
Thursday, January 9, 2025: Afternoon Only: Trainees Only
Friday, January 10, 2025: All Day
Livestream via Zoom or Thomas B. Turner Building Johns
Hopkins University School of Medicine
Baltimore, Maryland



41st Current Concepts in Ophthalmology - Vail

Monday, March 17 - Friday, March 21, 2025
Join Livestream via Zoom or The Hythe Vail
Vail, Colorado



DESCRIPTION

Over the past several years, there is a growing body of medical evidence demonstrating a clear biologic rationale for targeting vascular endothelial growth factors in the treatment of the neovascular form of age related macular degeneration, diabetic retinopathy, and related diseases. Furthermore, there are new imaging and therapeutic approaches to vitreomacular interface abnormalities, intraocular tumors, posterior uveitis, hereditary retinal degenerations, as well as surgical diseases of the retina. These areas of investigation are relatively new, and most ophthalmologists are not aware of the myriad of new clinical trials relevant to these diseases. Thus, these subjects are areas of great interest both to ophthalmologists who treat these diseases and to those who refer these cases for further management. Presentations were chosen to emphasize new information and consensus on the use of these biologic agents to treat the neovascular and non-neovascular forms of age-related macular degeneration, vitreomacular interface abnormalities, diabetic retinopathy, intraocular tumors, and posterior uveitis. In addition, cases were chosen highlighting new information being reported by randomized clinical trials in these disease areas.

WHO SHOULD ATTEND

This activity is intended for ophthalmologists, optometrists, and ophthalmic allied health professionals.

OBJECTIVES

After attending this activity, the learner will demonstrate the ability to:

- Explain the biologic rationale for targeting vascular endothelial growth factors in the treatment of the neovascular form of age-related macular degeneration, diabetic retinopathy, and related diseases. Evaluate emerging literature on the efficacy, safety, and cost effectiveness of femtosecond-assisted laser cataract surgery.
- Discuss new imaging and therapeutic approaches to diabetic retinopathy, vitreomacular interface abnormalities, intraocular tumors, posterior uveitis, hereditary retinal degenerations, as well as surgical diseases of the retina. Assess the perioperative use of antibiotic and anti-inflammatory agents in patients undergoing eye surgery.
- Review the current and emerging therapeutic approaches for surgical retinal diseases.
- Evaluate recent clinical studies evaluating treatments for retinal degenerations.

ACCREDITATION STATEMENT

The Johns Hopkins University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.



CREDIT DESIGNATION STATEMENT

The Johns Hopkins University School of Medicine designates this live activity for a maximum of 7 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MAINTENANCE OF CERTIFICATION

American Board of Ophthalmology (ABO)

The American Board of Ophthalmology (ABO) Maintenance of Certification (MOC) program accepts *AMA PRA Category 1 Credits*[™] from organizations accredited by the ACCME. It is the individual learner's responsibility to attest to meeting the CME milestones by logging in to the ABO website.



OTHER CREDITS

American Academy of Nurse Practitioners National Certification Program accepts *AMA PRA Category 1 Credit*[™] from organizations accredited by the ACCME.

National Commission on Certification of Physician Assistants (NCCPA)

PAs may claim a maximum of 7 Category 1 credits for completing this activity. NCCPA accepts *AMA PRA Category 1 Credit*[™] from organizations accredited by ACCME or a recognized state medical society.

American Nurses Credentialing Center (ANCC) accepts *AMA PRA Category 1 Credit*[™] from organizations accredited by the ACCME.

POLICY ON PRESENTER AND PROVIDER DISCLOSURE

It is the policy of the Johns Hopkins School of Medicine that the presenter and provider globally disclose conflicts of interest. The Johns Hopkins School of Medicine OCME has established policies in place to identify and mitigate relevant conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education.

REGISTRATION

January 11, 2025

In-person registration begins at 7:00 a.m. ET

Virtual learners should log in by 7:45 a.m. ET

LOCATION

Thomas B. Turner Building
Johns Hopkins School of Medicine
720 Rutland Avenue
Baltimore, Maryland 21205

The Turner Building is located on Rutland Avenue at Monument Street. Directions and campus parking information are available on our website under the Contact Us tab at [HopkinsCME.cloud-cme.com](https://hopkinscme.cloud-cme.com). Handicapped parking is available in the nearby Rutland Garage. Zoom link will be provided to learners at least three days prior.

FEES

Register Online:

hopkinscme.cloud-cme.com/course/courseoverview?P=0&EID=52673

Methods of Payment: Learners must register and submit full payment prior to the start of the activity. On-site payments can only be accepted if made by learners via credit card through the online portal by 5:00 p.m. ET on the first day of the activity. The registration fee includes instructional materials. In person attendees will receive continental breakfast, refreshment breaks and lunch. All attendees will have access to the online content.

In Person Registration Fee:

Physicians/Nurses/NPs/PAs/Allied Health Professionals.....	\$250.00
Residents/Fellows.....	\$50.00

Virtual Attendance Only Registration Fee:

Physicians/Nurses/NPs/PAs/Allied Health Professionals.....	\$125.00
Residents/ Fellows.....	\$25.00

Register for Both ACRC and MACULA and get a discount:

In Person Registration Fee:

Physicians/Nurses/NPs/PAs/Allied Health Professionals Must register for both ACRC and MACULA.....	\$375.00
Residents/ Fellows Must register for both ACRC and MACULA.....	\$75.00

Virtual Attendance Only Registration Fee:

Physicians/Nurses/NPs/PAs/Allied Health Professionals Must register for both ACRC and MACULA.....	\$175.00
Residents/ Fellows Must register for both ACRC and MACULA.....	\$40.00

You will receive a confirmation by e-mail. If you have not received it by January 3, 2025, call (410) 502-9636 to confirm that you are registered. A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances registrants will be notified as soon as possible.

LATE FEE AND REFUND POLICY

For in-person attendee registrations, a \$50 late fee applies; for virtual attendees, a \$25 late fee applies, to registrations received after 5:00 p.m. ET on January 3, 2025. A handling fee of \$50 (in-person) and \$25 (virtual) will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be received by fax or mail by January 3, 2025. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

SYLLABUS AND LOG IN INFORMATION

The syllabus and Zoom Webinar link will be accessible online and via your mobile device in the CloudCME App at least three days prior to the activity start date. To access, please visit our website.

CME Website: <https://hopkinscme.cloud-cme.com>

(Sign In, Click My CME tab, Click Syllabus)

HOW TO OBTAIN CREDIT

Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner's transcript and immediately available for print. The last day to access the evaluation and attest to your credits is **February 25, 2025**.

An outcome survey will be sent to all physician attendees within two months post activity to assist us in determining what impact this activity had on the learner's practice.

AMERICANS WITH DISABILITIES ACT

The Johns Hopkins School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. *Please notify us if you have any special needs.*

INTERNET CME POLICY

The Office of Continuing Medical Education (OCME) at the Johns Hopkins School of Medicine is committed to protecting the privacy of its members and customers. Johns Hopkins School of Medicine OCME maintains its internet site as an information resource and service for physicians, other health professionals and the public. OCME at the Johns Hopkins School of Medicine will keep your personal and credit information confidential when you participate in a CME Internet based program. Your information will never be given to anyone outside of the Johns Hopkins School of Medicine CME program. CME collects only the information necessary to provide you with the services that you request.

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HARDWARE/SOFTWARE REQUIREMENTS

Internet connection.

HOTEL AND TRAVEL INFORMATION

Canopy by Hilton Baltimore Harbor Point
1215 Wills Street
Baltimore, MD 21231
Phone: 443 960 8681
Fax: 443 960 8671
Hotel Rate: \$189.00
Hotel Link: <https://www.hilton.com/en/book/reservation/deeplink/?ctyhocn=BWIHPPY&groupCode=MAC&arrivaldate=2025-01-10&departuredate=2025-01-12&cid=OM,WW,HILTONLINK,EN,DirectLink&fromId=HILTONLINKDIRECT>

Hotel Registration Cut Off Date: 12/12/2024

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis.

The Canopy by Hilton Baltimore Harbor Point is a waterfront hotel in Harbor Point. Make your reservation online or call the hotel directly and specify that you are attending the Johns Hopkins Current Concepts in Ophthalmology to receive the special group rate of \$189.00, single or double, plus tax. On-site parking is available at an additional charge. Check-in time is 4:00 p.m. Check-out time is 12:00 p.m.

ACKNOWLEDGEMENT

Applications for commercial support from health care related industries are pending. A complete list of contributors will be provided in the syllabus. Please note that commercial support received is solely for the educational component of the activity and will not be used to provide food and beverage.

Please note: The Physician Payments Sunshine Act was enacted by Congress to increase public awareness of financial relationships between drug and medical device manufacturers and physicians. In compliance with the requirements of this Act, the commercial supporter/s of this activity may require the Johns Hopkins School of Medicine to report certain professional information (such as name, address, National Provider Identifier (NPI), and State License number) of physician attendees who receive complimentary food and beverage in conjunction with a CME activity. The commercial supporter is required to submit the collected data to the Centers for Medicare and Medicaid Services which will then publish the data on its website.



TO REGISTER OR FOR FURTHER INFORMATION

Register online: <https://hopkinscme.cloud-cme.com/course/courseoverview?P=0&EID=52673>

Register by Phone(410) 502-9636
Register by Fax(866) 510-7088
Confirmation/Certificates/Transcripts(410) 502-9636
General Information(410) 955-2959
E-mail the Office of CME cmenet@jhmi.edu

Follow us on Twitter: twitter.com/HopkinsCME
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Check out our mobile app CloudCME.
Organization Code: *HopkinsCME*

If you need technical assistance with website or CloudCME please visit our tech support help page:
<https://hopkinscme.cloud-cme.com/about/help>

For general information, please visit the activity webpage at
hopkinscme.cloud-cme.com/course/courseoverview?P=0&EID=52673

SATURDAY, JANUARY 11, 2025

7:00 – 8:00 Registration, Breakfast, and Opportunity to Visit Live and Virtual Exhibit Halls

8:00 – 8:05 **Welcome; Conference Goals; Introduction of Keynote Talk**
Fernando Arevalo, MD; Neil Bressler, MD

8:05 – 8:20 **Keynote Talk: Global Influence of NIH Funded Retina Networks**
Daniel Martin, MD

Contemporary Retinal Imaging

Moderators: Amir Kashani, MD; Christina Weng, MD; Richard Rosen, MD; John Miller, MD

8:20 – 8:30 **Home Monitoring for Age-related Macular Degeneration**
Christina Weng, MD

8:30 – 8:40 **Managing Retina with OCT Angiography**
Amir Kashani, MD

8:40 – 8:50 **Ultrawide Field Imaging in Diabetic Retinopathy**
Paolo Silva, MD

8:50 – 9:00 **Imaging Geographic Atrophy: Autofluorescence, OCT, Photos**
Glenn Jaffe, MD

9:00 – 9:10 **Questions and Answers / Discussion**
Moderator and Faculty

Geographic Atrophy and Inherited Retinal Diseases

Moderators: Demetrios Vavvas, MD, PhD; Mandeep Singh, MD, PhD; Stephen Tsang, MD, PhD

9:10 – 9:20 **Treating Geographic Atrophy: Balancing Benefits and Risks**
Demetrios Vavvas, MD, PhD

9:20 – 9:30 **Clinical Trials for Inherited Retinal Diseases**
Mandeep Singh, MD, PhD

9:30 – 9:40 **Vitamin Supplements for GA or RP: Vitamin A? Not Today**
Jason Comander, MD, PhD

9:40 – 10:10 Break and Opportunity to Visit Live and Virtual Exhibit Halls

Retinal Vascular Diseases Other Than Diabetic Retinopathy

Moderators: Alexander Brucker, MD; James Handa, MD; Sunir Garg, MD

10:10 – 10:20 **Gene Therapy for Retinal/Choroidal Vascular Diseases**
Peter Campochiaro, MD

10:20 – 10:30 **Macular Edema from RVO: Does It Matter Which Anti-VEGF**
Aleksandra Rachitskaya, MD

10:30 – 10:40 **Challenges of Sickle Cell Retinopathy**
Jennifer Lim, MD

10:40 – 10:50 **Treating MacTel: Just Anatomy or Function Too**
Emily Chew, MD

10:50 – 11:00

ROP and Other Pediatric Retinal Vascular Diseases

Yoshihiro Yonekawa, MD

11:00 – 11:10

Questions and Answers / Discussion
Moderator and Faculty

Ocular Tumors

Moderators: Carol Shields, MD; Ivana Kim, MD; David Abramson, MD

11:10 – 11:20

Radiation Retinopathy
Arun Singh, MD

11:20 – 11:30

Updates on Retinoblastoma and Histiocytosis
Jasmine Francis, MD

11:30 – 11:40

Evolving Treatments in Choroidal Melanoma
Carol Shields, MD

11:40 – 11:50

Oncology Drug Toxicities for the Retina Specialist
William Mieler, MD

11:50 – 12:00

Questions and Answers / Discussion
Moderator and Faculty

12:00 – 12:55

Lunch Break and Opportunity to Visit Live and Virtual Exhibit Halls

Choroidal Neovascularization

Moderators: Lucia Sobrin, MD, MPH; Akrit Sodhi, MD, PhD; K. Bailey Freund; Adam Wenick, MD, PhD

12:55 – 1:00

Introduction: International Keynote Talk and 100th Celebration
Fernando Arevalo, MD; Neil Bressler, MD

1:00 – 1:10

International Keynote Talk: AI Revolution in Retina
Haotian Lin, MD, PhD

1:10 – 1:20

Fixed Dosing, As Needed, or Treat and Extend for CNV
Akrit Sodhi, MD, PhD

1:20 – 1:30

Polypoidal Choroidal Vasculopathy: Special Considerations
K. Bailey Freund, MD

1:30 – 1:40

Safety Considerations: Inflammation / Occlusive Vasculitis
Andre Witkin, MD

1:40 – 2:00

Questions and Answers / Discussion
Moderators and Faculty

Proliferative Diabetic Retinopathy

Moderators: Lee Jampol, MD; John Thompson, MD; Donald D'Amico, MD

2:00 – 2:10

Proliferative Diabetic Retinopathy: Anti-VEGF, PRP, or Both
Lee Jampol, MD

2:10 – 2:20

Evolving Indications for Surgery in Proliferative DR
Dean Elliott, MD

- 2:20 – 2:30 **Questions and Answers / Discussion**
Moderators and Faculty
- 2:30 – 3:00 Break and Opportunity to Visit Live and Virtual Exhibit Halls

Diabetic Macular Edema

Moderators: Mira Sachdeva, MD; Allen Ho, MD; Ishrat Ahmed, MD

- 3:00 – 3:10 **Current Role of Fluorescein Angiography in DME**
Yannis Paulus, MD
- 3:10 – 3:20 **New Agents for DME: Just Durable or More Durable**
Judy Kim, MD
- 3:20 – 3:30 **Port Delivery System Updates for DME**
Carl Regillo, MD
- 3:30 – 3:40 **AI in DME: At Its Infancy or A Flash in the Pan**
T.Y. Alvin Liu, MD
- 3:40 – 3:50 **Approaches to Prevent Worsening of Diabetic Retinopathy**
Lloyd Aiello, MD, PhD
- 3:50 – 4:00 **Questions and Answers / Discussion**
Moderators and Faculty

Special Topics in Retina for 2025

Moderators: Lawrence Yannuzzi, MD; Joseph Anaya, MD; Jose Pulido, MD

- 4:00 – 4:10 **Big Data and Social Determinants of Health in Retinal Diseases**
Cindy Cai, MD
- 4:10 – 4:30 **Panel Discussion: Women in Retina in 2025**
Moderator: Jennifer Lim, MD
Panelists: Adrienne Scott, MD; Judy Kim, MD; Jasmine Francis, MD
- 4:30 – 4:40 **New Agents for nAMD: Just Durable or More Durable**
Susan Bressler, MD
- 4:40 – 4:50 **Therapies for Central Serous Chorioretinopathy**
Jay Chhablani, MD
- 4:50 – 5:00 **Summary: MACULA 2025 and Plans for MACULA 2026**
J. Fernando Arevalo, MD; Neil Bressler, MD
- 5:00 **Adjourn**



You will receive an email notification to complete the evaluation form and to attest to the number of hours in attendance.

The registration desk will remain open during conference hours.

ACTIVITY DIRECTOR

Neil Bressler, MD

Professor of Ophthalmology
Johns Hopkins University School of Medicine

PLANNING COMMITTEE

J. Fernando Arevalo, MD, PhD

Professor of Ophthalmology;
Johns Hopkins University School of Medicine

Jun Kong, MD, PhD

Visiting Faculty
Johns Hopkins University School of Medicine

JOHNS HOPKINS SPEAKERS

Ishrat Ahmed, MD, PhD

Assistant Professor of Ophthalmology
Johns Hopkins University School of Medicine

Joseph Anaya, MD, MBA

Assistant Professor of Ophthalmology
Johns Hopkins University School of Medicine

J. Fernando Arevalo, MD, PhD

Professor of Ophthalmology
Johns Hopkins University School of Medicine

Neil Bressler, MD

Professor of Ophthalmology
Johns Hopkins University School of Medicine

Susan Bressler, MD

Professor of Ophthalmology
Johns Hopkins University School of Medicine

Cindy Cai, MD

Assistant Professor of Ophthalmology
Johns Hopkins University School of Medicine

Peter Campochiaro, MD

Professor of Ophthalmology
Johns Hopkins University School of Medicine

James Handa, MD

Professor of Ophthalmology
Johns Hopkins University School of Medicine

Amir Kashani, MD

Professor of Ophthalmology
Johns Hopkins University School of Medicine

T. Y. Alvin Liu, MD

Assistant Professor of Ophthalmology
Johns Hopkins University School of Medicine

Yannis Paulus, MD

Associate Professor of Ophthalmology
Johns Hopkins University School of Medicine

Mira Sachdeva, MD, PhD

Assistant Professor of Ophthalmology
Johns Hopkins University School of Medicine

Adrienne Scott, MD

Associate Professor of Ophthalmology,
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Mandeep Singh, MBBS, MD, PhD

Associate Professor of Ophthalmology
Johns Hopkins University School of Medicine

Akrit Sodhi, MD

Associate Professor of Ophthalmology
Johns Hopkins University School of Medicine

Adam Wenick, MD, PhD

Assistant Professor of Ophthalmology
Johns Hopkins University School of Medicine

GUEST SPEAKERS

David Abramson, MD

Chief Ophthalmic Oncology Service
Memorial Sloan Kettering Cancer Center

Lloyd Aiello, MD, PhD

Professor of Ophthalmology
Harvard Medical School

Alexander Brucker, MD

Professor in Retinal and Vitreous Diseases in Ophthalmology
Penn Medicine

Emily Chew, MD

Senior Investigator
National Eye Institute

Jay Chhablani, MD

Professor of Ophthalmology
University of Pittsburgh School of Medicine

Jason Comander, MD, PhD

Assistant Professor of Ophthalmology
Harvard Medical School

Donald D'Amico, MD

Professor Ophthalmology
Weill Cornell Medicine

Dean Elliott, MD

Professor of Ophthalmology
Harvard Medical School

Jasmine Francis, MD

Ophthalmic Oncologist
Memorial Sloan Kettering Cancer Center

K. Bailey Freund, MD

Professor of Ophthalmology
NYU Grossman School of Medicine

Sunir Garg, MD

Professor of Ophthalmology
Sidney Kimmel Medical College
Thomas Jefferson University

Allen Ho, MD

Professor of Ophthalmology
Sidney Kimmel Medical College
Thomas Jefferson University

Glenn Jaffe, MD

Professor of Ophthalmology
Duke Eye Center

Lee Jampol, MD

Professor Ophthalmology
Feinberg School of Medicine

Ivana Kim, MD, MBA

Associate Professor of Ophthalmology
Harvard Medical School

Judy Kim, MD
 Professor of Ophthalmology
 University of Texas Southwestern Medical Center

Jennifer Lim, MD, FARVO
 Professor of Ophthalmology
 University of Illinois at Chicago

Haotian Lin, MD, PhD
 President, Zhongshan Ophthalmic Center
 Sun Yat-Sen University

Daniel Martin, MD
 Ophthalmologist
 Cleveland Clinic Cole Eye Institute

William Mieler, MD
 Professor in Ophthalmology
 University of Illinois at Chicago

John Miller, MD
 Associate Professor of Ophthalmology
 Harvard Medical School

Jose Pulido, MD, MS, MBA, MPH
 Professor of Ophthalmology
 Sidney Kimmel Medical College
 Thomas Jefferson University

Aleksandra Rachitskaya, MD
 Associate Professor of Ophthalmology
 Cleveland Clinic Cole Eye Institute

Carl Regillo, MD
 Professor of Ophthalmology,
 Sidney Kimmel Medical College
 Thomas Jefferson University

Richard Rosen, MD
 Professor of Ophthalmology
 New York Eye and Ear Infirmary of Mount Sinai

Carol Shields, MD
 Professor of Ophthalmology
 Co-Director, Ocular Oncology Service
 Wills Eye Hospital Thomas Jefferson University

Paolo Silva, MD
 Associate Professor of Ophthalmology
 Harvard Medical School

Arun Singh, MD
 Professor of Ophthalmology
 Cole Eye Institute, Cleveland Clinic

Lucia Sobrin, MD, MPH
 Professor of Ophthalmology
 Harvard Medical School

John Thompson, MD
 Ophthalmologist
 GBMC Healthcare

Stephen Tsang, MD, PhD
 Professor of Ophthalmology
 Columbia University Irving Medical Center

Demetrios Vavvas MD, PhD
 Professor of Ophthalmology
 Harvard Medical School

Christina Weng, MD, MBA
 Professor of Ophthalmology
 Baylor College of Medicine
 Cullen Eye Institute

Andre Witkin, MD
 Professor and Director of Retina
 Tufts Medical Center

Lawrence Yannuzzi, MD
 Professor of Clinical Ophthalmology
 Columbia University

Yoshihiro Yonekawa, MD
 Associate Professor
 Sidney Kimmel Medical College
 Thomas Jefferson University

COURSE NUMBER 80065071 / 52673

MACULA 2025 | January 11, 2025



REGISTER ONLINE: hopkinscme.cloud-cme.com/course/courseoverview?P=0&EID=52673

In Person Registration Fee:

Physicians/Nurses/NPs/PAs/Allied Health Professionals.....	\$250
Residents/Fellows.....	\$50

Virtual Attendance Only Registration Fee:

Physicians/Nurses/NPs/PAs/Allied Health Professionals.....	\$125
Residents/ Fellows.....	\$25

*Discount available when registering for both Atlantic Coast Retina Conference and Macula 2025 at the same time.