

MACULA 2021



Saturday, January 23, 2021
INTERNET LIVE CONFERENCE

To follow Atlantic Coast Retina Conference (ACRC) 2021
on Friday, January 22, 2021



Presented by
Johns Hopkins University School of Medicine

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



JOHNS HOPKINS
MEDICINE

MACULA 2021

Saturday, January 23, 2021

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:

- Recognize the role of anti-angiogenic treatments for eyes with choroidal neovascularization from age-related macular degeneration or diabetic retinopathy, including proliferative diabetic retinopathy and diabetic macular edema.
- Evaluate recent clinical studies evaluating treatments for hereditary retinal degenerations.
- Recognize the role of imaging in the management of vitreomacular interface abnormalities.
- Review the current and emerging therapeutic approaches for surgical retinal diseases.
- Summarize the evidence of surgical and medical treatments for intraocular tumors.
- Detect which patients are appropriate for biologic treatments of posterior uveitis.

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)

Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to satisfy the Lifelong Learning and Self-Assessment requirements for the American Board of Ophthalmology's Maintenance of Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting MOC credit.



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 that will identify and resolve conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education.

GENERAL INFORMATION

REGISTRATION AND FEES

Saturday, January 23, 2021
7:30 a.m. ET Sign into Zoom

REGISTRATION CUT-OFF DATE:

Friday, January 22, 2021 - 24 hours prior to launch.

Register Online:

hopkinscme.cloud-cme.com/course/courseoverview?P=0&EID=30525

Methods of Payment: We require full payment prior to the start of the activity. The registration fee includes instructional materials.

Physicians/Nurses/NPs/PAs/Allied Health Professionals.....\$50
Residents*/Fellows*\$25
*with verification of status

You will receive a confirmation by e-mail. If you have not received it by January 17, 2021, 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. Under such circumstances registrants will be notified as soon as possible.

LATE FEE AND REFUND POLICY

A \$25 late fee applies to registrations received after 5:00 p.m. ET on January 17, 2021. A handling fee of \$25 will be deducted for cancellation. Refund requests must be received by fax or mail by January 17, 2021.

REGISTRATION CUT-OFF DATE:

Friday, January 22, 2021 - 24 hours prior to launch.

No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

SYLLABUS

The syllabus will be accessible online and via your mobile device in the CloudCME App prior to the activity.

LOG IN INFORMATION

Instructions will be provided via email the week prior.

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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TO REGISTER OR FOR FURTHER INFORMATION

Register Online

hopkinscme.cloud-cme.com/course/courseoverview?P=0&EID=30525

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 CMEcmenet@jhmi.edu

Follow us on Twitter: twitter.com/HopkinsCME

Facebook: facebook.com/HopkinsCME



Check out our mobile app CloudCME.
Organization Code: *HopkinsCME*

For website and CloudCME mobile app technical difficulties, email:
cmetechsupport@jhmi.edu

For general information, please visit the activity webpage at
hopkinscme.cloud-cme.com/course/courseoverview?P=0&EID=30525

HARDWARE/SOFTWARE REQUIREMENTS

Internet connection.

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 March 9, 2021.**

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.*

ACKNOWLEDGMENT

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.

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.

PROGRAM

Each presentation will be 10 minutes, followed by 5 minutes of LIVE questions and answers and discussions with the faculty. Questions will be collected from participants via the Q&A feature in Zoom. Each 30-minute panel session will be LIVE.

SATURDAY, JANUARY 23, 2021

7:30 – 7:55 Sign into Zoom and Opportunity to Visit Virtual Exhibit Hall

7:55 – 8:00 **Welcome and Conference Goals**
J. Fernando Arévalo, MD, PhD and
Neil Bressler, MD

AGE-RELATED MACULAR DEGENERATION

Moderator: Julia Haller, MD and Lawrence Yannuzzi, MD

8:00 – 8:15 **Recent Classification Recommendations in AMD**
K. Bailey Freund, MD

8:15 – 8:30 **Clinical Trials for Geographic Atrophy**
Carl Regillo, MD

8:30 – 8:45 **Brolucizumab-Related Vasculitis in Clinical Trials and Practice**
Jeffrey Heier, MD

8:45 – 9:00 **Where Does Faricimab Fit Into Management of Neovascular AMD**
John Wells, MD

9:00 – 9:15 **Phase 3 Trials from Port Delivery Systems for Neovascular AMD**
Carl Awh, MD

9:15 – 9:30 **Role of Genetics and Metabolomics in AMD**
Deeba Husain, MD

AMD PANEL

Moderator: Jay Duker, MD and Joan Miller, MD

9:30 – 10:00 **How Would You Manage These Macular Degeneration Cases In 2021?**
David Barañano, MD, PhD; Susan Bressler, MD;
Jason Hsu, MD; and Adrienne Scott, MD

10:00 – 10:30 Break and Opportunity to Visit Virtual Exhibit Hall

HEREDITARY RETINAL DEGENERATIONS

Moderator: Roland Theodore Smith, MD; Stephen Tsang, MD, PhD; and Lucia Sobrin, MD, MPH

10:30 – 10:45 **State of Gene Therapy**
Rachel Huckfeldt, MD, PhD

10:45 – 11:00 **Regenerative Medicine for Hereditary Retinal Degenerations**
Mandeep Singh, MD, PhD

IMAGING ADVANCES

Moderator: Caroline Baumal, MD and Emily Chew, MD

11:00 – 11:15 **Home Monitoring**
Michael Elman, MD

11:15 – 11:30 **OCT Angiography: Current Status**
Nadia Waheed, MD, MPH

SURGICAL ROUNDS PANEL

Moderator: Dean Elliott, MD and John Thompson, MD

11:30 – 12:00 **How Would You Manage These Vitreoretinal Surgery Cases in 2021?**
Cindy Cai, MD; John Miller, MD;
Mira Sachdeva, MD; David Wu, MD;
and Yoshiro Yonekawa, MD

12:00 – 1:00 Lunch Break and Opportunity to Visit Virtual Exhibit Hall

TUMOR MANAGEMENT PANEL

Moderator: David Abramson, MD and Carol Shields, MD

1:00 – 1:30 **How Would You Manage These Ocular Oncology Cases in 2021?**

Mary Beth Aronow, MD; Zélia Corrêa, MD, PhD;
Jasmine Francis, MD; J. William Harbour, MD;
and Ivana Kim, MD

DIABETIC RETINOPATHY / RETINAL VASCULAR DISEASES

Moderator: Lee Jampol, MD and Szilard Kiss, MD

1:30 – 1:45 **Treatment Regimens for DME in 2021**
Jennifer Sun, MD

1:45 – 2:00 **Proliferative Diabetic Retinopathy – PRP or Anti-VEGF or Both?**
Jeffrey Gross, MD

2:00 – 2:15 **Role of Wide-Field Imaging in Diabetic Retinopathy**
Lloyd Paul Aiello, MD

2:15 – 2:30 **Vitreous Hemorrhage from PDR: Vitrectomy or Anti-VEGF**
Andrew Antoszyk, MD

DIABETIC RETINOPATHY PANEL

Moderators: Donald D'Amico, MD and Arunan Sivalingam, MD

2:30 – 3:00 **How Would You Manage These Diabetic Retinopathy Cases in 2021?**

Mark Breazzano, MD; Sunir Garg, MD;
Benjamin Kim, MD; and Adam Wenick, MD, PhD

3:00 – 3:30 Break and Opportunity to Visit Virtual Exhibit Hall

OTHER ADVANCES IN RETINA

Moderator: Audina Berrocal, MD and J. Fernando Arévalo, MD, PhD

3:30 – 3:45 **Treatment Advances for Uveitis in 2021**
Douglas Jabs, MD, MBA

3:45 – 4:00 **Deeper Understanding of Mac Tel 2 Pathophysiology**
Richard Spaide, MD

4:00 – 4:15 **Genetic and Other Approaches to Sustained Drug Delivery**
Peter Campochiaro, MD

4:15 – 4:30 **Potential Role of Aqueous Biomarkers with Intravitreal Injections**
Akrit Sodhi, MD, PhD

4:30 – 4:45 **Artificial Intelligence and Retina in 2021**
T.Y. Alvin Liu, MD

4:45 – 5:00 **Advances in Pediatric Retina in 2021**
Cynthia Toth, MD

5:00 **Closing Summary and Adjourn**
John Thompson, MD

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

The Johns Hopkins School of Medicine takes responsibility for the content quality and scientific integrity of this activity.

This schedule is subject to change.

SPEAKERS

ACTIVITY DIRECTOR

Neil Bressler, MD
Professor of Ophthalmology

JOHNS HOPKINS SPEAKERS

J. Fernando Arévalo, MD, PhD
Professor of Ophthalmology

Mark Breazzano, MD
Assistant Professor of Ophthalmology

Susan Bressler, MD
Professor of Ophthalmology

Cindy Cai, MD
Assistant Professor of Ophthalmology

Peter Campochiaro, MD
Professor of Ophthalmology

Douglas Jabs, MD, MBA
Professor of Ophthalmology

T.Y. Alvin Liu, MD
Assistant Professor of Ophthalmology

Mira Sachdeva, MD, PhD
Assistant Professor of Ophthalmology

Adrienne Scott, MD
Associate Professor of Ophthalmology

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

Akrit Sodhi, MD, PhD
Associate Professor of Ophthalmology

Adam Wenick, MD, PhD
Assistant Professor of Ophthalmology

David Wu, MD, PhD
Assistant Professor of Ophthalmology

GUEST SPEAKERS

David Abramson, MD
Chief, Ophthalmic Oncology Service
Department of Surgery
Memorial Sloan Kettering Cancer Center
New York, NY

Lloyd Paul Aiello, MD
Vice Chair for Centers of Excellence
Co-Director, Diabetic Eye Disease
Center of Excellence
Joslin Diabetes Center
Harvard Medical School
Boston, MA

Andrew Antoszyk, MD
Ophthalmologist
Charlotte Eye Ear Nose & Throat
Associates, P.A.
Charlotte, NC

Mary Beth Aronow, MD
Physician and Surgeon
Massachusetts Eye and Ear
Assistant Professor of Ophthalmology
Harvard Medical School
Boston, MA

Carl Awh, MD
Retina Specialist
Tennessee Retina Physicians
Nashville, TN

David Barañano, MD, PhD
Ophthalmologist
Retina Specialists
Baltimore, MD

Caroline Baumal, MD
Professor of Ophthalmology
Tufts University School of Medicine
Boston, MA

Audina Berrocal, MD
Professor of Clinical Ophthalmology
Secondary Appointment in the
Department of Pediatrics
University of Miami Health System
Miami, FL

Emily Chew, MD
Director, Division of Epidemiology
and Clinical Applications
Medical Officer
National Eye Institute (NEI)
National Institutes of Health (NIH)
Bethesda, MD

Zélia Corrêa, MD, PhD
Professor of Ophthalmology
Co-Director, Ocular Oncology Service
University of Miami Health System
Miami, FL

Donald D'Amico, MD
Professor and Chairman of Ophthalmology
Weill Cornell Medical College
Ophthalmologist-in-Chief
New York Presbyterian Hospital
New York, NY

Jay Duker, MD
Ophthalmologist-in-Chief & Director
New England Eye Center
Chairman, Department of Ophthalmology
and Professor
Tufts University School of Medicine
Boston, MA

Dean Elliott, MD
Director, Retina Service
Director, Vitreoretinal Fellowship
Massachusetts Eye and Ear
Boston, MA

Michael Elman, MD
Ophthalmologist
Elman Retina Group
Rosedale, MD

Jasmine Francis, MD
Ophthalmic Oncologist
Memorial Sloan Kettering Cancer Center
New York, NY

K. Bailey Freund, MD
Clinical Professor of Ophthalmology
New York University School of Medicine
New York, NY

Sunir Garg, MD
Co-Director, Retina Research
Wills Eye Hospital
Philadelphia, PA

Jeffrey Gross, MD
Ophthalmologist
Founder of the Carolina Retina Center
Columbia, SC

Julia Haller, MD
Ophthalmologist-in-Chief
Wills Eye Hospital
Philadelphia, PA

J. William Harbour, MD
Director of Ocular Oncology
Vice Chairman for Translational Research
Mark J. Daily Chair in Ophthalmology
Associate Director for Basic Research
Sylvester Comprehensive Cancer Center
Miami, FL

Jeffrey Heier, MD
Co-President and Medical Director
Director of the Vitreoretinal Service
Director of Retina Research
Ophthalmic Consultants of Boston (OCB)
Boston, MA

Jason Hsu, MD
Faculty, Retina Service Wills Eye Hospital
Associate Professor of Ophthalmology
Sidney Kimmel Medical College of Thomas
Jefferson University
Philadelphia, PA

Rachel Huckfeldt, MD, PhD
Associate Surgeon
Director, Inherited Retinal Degenerations
Fellowship
Massachusetts Eye and Ear
Assistant Professor of Ophthalmology
Harvard Medical School
Boston, MA

Deeba Husain, MD
Site Director, Massachusetts Eye and Ear
Retina Consultants in Stoneham
Massachusetts Eye and Ear
Associate Professor of Ophthalmology
Harvard Medical School
Boston, MA

Lee Jampol, MD
Professor of Ophthalmology
Northwestern Medicine
Chicago, IL

SPEAKERS

Benjamin Kim, MD

Assistant Professor of Ophthalmology
Hospital of the University of Pennsylvania
Pennsylvania, PA

Ivana Kim, MD

Director, Macular Degeneration Unit
Co-Director, Ocular Melanoma Center
Massachusetts Eye and Ear
Associate Professor of Ophthalmology
Harvard Medical School
Boston, MA

Szilard Kiss, MD

Director of Clinical Research
Department of Ophthalmology
Weill Cornell Medicine
New York, NY

Joan Miller, MD

Chief of Ophthalmology
Massachusetts Eye and Ear
Chair of the Department of Ophthalmology
and Professor of Ophthalmology
Harvard Medical School
Boston, MA

John Miller, MD

Assistant Professor of Ophthalmology
Harvard Medical School
Boston, MA

Carl Regillo, MD, FACS

Chief of the Retina Service
Wills Eye Hospital
Philadelphia, PA

Carol Shields, MD

Chief of the Ocular Oncology Service
Wills Eye Hospital
Philadelphia, PA

Arunan Sivalingam, MD

Co-Director of the Retina Service
Wills Eye Hospital
Philadelphia, PA

Roland Theodore Smith, MD

Professor of Ophthalmology
and Neuroscience
Icahn School of Medicine of Mount Sinai
Director of Biomolecular Imaging
New York Eye and Ear Infirmary
of Mount Sinai
New York, NY

Lucia Sobrin, MD

Director, Morse Laser Center
Co-Director, Ocular Immunology and
Uveitis Fellowship
Massachusetts Eye and Ear
Associate Professor of Ophthalmology
Harvard Medical School
Boston, MA

Richard Spaide, MD

Ophthalmologist
Vitreous, Retina, Macula Consultants
of New York
New York, NY

Jennifer Sun, MD

Associate Professor of Ophthalmology
Joslin Diabetes Center
Boston, MA

John Thompson, MD

Ophthalmologist
Retina Specialists
Baltimore, MD

Cynthia Toth, MD

Professor of Ophthalmology
Joseph A.C. Wadsworth Distinguished
Professor of Ophthalmology
Professor of Biomedical Engineering
Duke University School of Medicine
Durham, NC

Stephen Tsang, MD, PhD

Laszlo T. Bitó Professor of Ophthalmology,
and Pathology and Cell Biology
Course Co-Director, BMENE6510
Stem Cells, Genome Engineering
and Regenerative Medicine
Columbia University
New York, NY

Nadia Waheed, MD, MPH

Ophthalmologist, Retina Specialist, and
Associate Professor
Tufts University School of Medicine
Boston, MA

John Wells, MD

Ophthalmologist
Palmetto Retina Center
West Columbia, SC

Lawrence Yannuzzi, MD

Founder of VRMNY - Vitreous Retina
Macula Consultants of New York
Vice-Chairman and Director of the LuEsther
T. Mertz Retinal Research Center of the
Manhattan Eye, Ear & Throat Hospital
Founder and President of The Macula
Foundation, Inc.
New York, NY

Yoshiro Yonekawa, MD

Adult and Pediatric Retina Specialist
Wills Eye Physicians
Philadelphia, PA

COURSE NUMBER 80053817/30525

MACULA 2021

Saturday, January 23, 2021

REGISTER ONLINE:

hopkinscme.cloud-cme.com/course/courseoverview?P=0&EID=30525

REGISTRATION FEES:

Physicians/Nurses/NPs/PAs/Allied Health Professionals\$50

Residents*/Fellows*\$25

**with verification of status*

The registration fee includes instructional materials.

For registrations received after 5:00 p.m. ET on

January 17, 2021, include a \$25 late fee.

REGISTRATION CUT-OFF DATE:

Friday, January 22, 2021 - 24 hours prior to launch.

