

DESCRIPTION

Retina Festival 2020 is an “all-star” line-up of more than 50 faculty members from around the world participating in a Continuing Medical Education event from the Wilmer Eye Institute of the Johns Hopkins School of Medicine. The program provides the latest updates from clinical trials and other evidence in the peer-reviewed medical literature that are relevant to the prevention and management of retinal diseases around the world. Topics include the latest, clinically relevant outcomes from clinical trials on age-related macular degeneration, vitreomacular interface abnormalities, hereditary retinal degenerations, diabetic retinopathy, retinal vein occlusions, and the latest in retinal surgery, including live retina surgery demonstrations. In addition to presentations from world experts, four panels of experts throughout the course will highlight discussions on applying clinical trial results to day-to-day clinical practice.

TARGET AUDIENCE

This activity is intended for comprehensive ophthalmologists, retina specialists, both expert and in training, as well as vision scientists who want an update on the latest clinically relevant topics in retina.

OBJECTIVES

After participating in the 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.
- Discuss 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.
- Determine 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 enduring material activity for a maximum of 7.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

OTHER CREDITS

The Johns Hopkins University has approved this activity for 7.75 **contact hours for non-physicians**.

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JOHNS HOPKINS STATEMENT OF RESPONSIBILITY

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The following relationships have been reported for this activity:

<u>NAME</u>	<u>ROLE</u>	<u>RELATIONSHIPS</u>
Thomas Albini, MD	Presenter	Consulting Fee: Alcon, Allergan, Bausch and Lomb, Beaver Visitec, Dorc, Santen, UCB Corp, Dorc, Santen
J. Fernando Arevalo, MD, PhD	Presenter	Royalty: Springer SBM LLC Consulting Fee: Allergan, Bayer Corporation, DORC International B.V., Mallinckrodt, TOPCON
Susan Bressler, MD	Presenter	Contracted Research: Bayer Corporation, Biocon, Biophytis, Boehringer Ingelheim Vetmedica GmbH, EyePoint, Genentech, Notal, Novartis AG, Merck and Mylan, Consulting Fee: Amgen
Neil Bressler, MD	Activity Director	Contracted Research: Bayer Corporation, Novartis AG, Roche and Samsung Bioepsis
Usha Chakravarthy, MD	Presenter	Travel support: Novartis AG
Michael Chiang, MD	Presenter	Consulting Fee: Novartis AG Contracted Research: Genentech, National Institutes of Health, National Science Foundation Ownership Interest: InTeleretina, LLC
Zelia Correa, MD, PhD	Presenter	Consulting Fee: Castle Biosciences, Inc.
Karl Csaky, MD, PhD	Presenter	Consulting Fee: AGTC, Apellis, Genentech, Heidelberg Engineering Novartis, Ocular Therapeutix, ReNeuron, Retrotape, Ribomics and Roche

Jacque Duncan, MD	Presenter	<p>Consulting Fee: AGTC, Biogen, Idec, 4D Therapeutics, Ionis, SparinVision, Spark Therapeutics</p> <p>Contracted Research: Acucela, Allergan, Biogen Idec, Vedere Bio</p>
Michael Ip, MD	Presenter	<p>Consulting Fee: Allergan, Alimera, Amgen, Astellas, Boehringer Ingelheim, Omeros, Quark, Thrombogenics, Vetmedica GmbH,</p> <p>Grant Research Support: Biogen, Clearside, Genentech and Novartis</p>
Judy Kim, MD	Presenter	<p>Consulting Fee: Allergan, Adverum, Bausch & Lomb, Genentech, Notal Vision, Novartis AG</p>
Jennifer Lim, MD	Presenter	<p>Consulting Fee: Genentech, Inc, Novartis and Ophthea,</p> <p>Honoraria: Allergan, Aura Biosciences</p> <p>Contracted Research: Aldyra, Chengdu, Genentech, Graybug, Regeneron, Santen, Stealth</p>
Anat Loewenstein, MD, PhD	Presenter	<p>Consulting Fee: Allergan, Bayer Corporation, Beyeonics, Notal Vision, Novartis AG, Oxurion, Pres, Roche, Syneos, Xbran, WebMD</p> <p>Honoraria: Allergan, Bayer Corporation, Novartis AG,</p> <p>Grant: Allergan, Bayer Corporation, Novartis AG, Oculis</p>
Andrew Lotery, MD	Presenter	<p>Consulting Fee: Biogen Idec, Boehringer Ingelheim Vetmedica GmbH</p> <p>Ownership Interest: Gyroscope Therapeutics</p> <p>Travel support: Novartis AG</p>
Carl Regillo, MD	Presenter	<p>Consulting Fee: Biogen Idec, Boehringer Ingelheim Vetmedica GmbH</p> <p>Ownership Interest: Gyroscope Therapeutics</p> <p>Travel support: Novartis AG</p>
Taiji Sakamoto, MD, PhD	Presenter	<p>Honoraria: Novartis AG</p>
Adrienne Scott, MD	Presenter	<p>Scientific Advisory Board Member: Allergan, Inc.</p> <p>Contracted Research: Novartis AG</p>
Ingrid Scott, MD, MPH	Presenter	<p>Honoraria: Novartis AG</p>

Jennifer Sun, MD, MPH	Presenter	Contracted Research: Boehringer Ingelheim Vetmedica GmbH, Genentech, Inc, Kalvista, and Optovue Travel Support: Merck and Company, Novartis AG,
John Thompson, MD	Presenter	Contracted Research: Genentech, Inc and Opthea Consulting Fee: Genentech, Inc Ownership Interest: EHR Command Center, LLC
Tien Y Wong, MD, PhD	Presenter	Consulting Fee: Allergan, Bayer Corporation, Boehringer Ingelheim Vetmedica GmbH, Merck and Company, Novartis AG, Oxurion, Roche, Samsung Bioepsis

No one else in a position to control the content of this educational activity has disclosed a relevant financial interest or relationship with any commercial interest.

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PROGRAM**Session I - 1:10:05****Welcome and Conference Goals**

Neil Bressler, MD

Retina in Ophthalmology: Where We Are in 2020

Paul Sternberg, MD

Age-Related Macular Degeneration – Drusen and Geographic Atrophy

Moderators: T.Y. Alvin Liu, MD and Hendrik Scholl, MD

Current Understanding and Management of Geographic Atrophy

Emily Chew, MD

Lessons from Clinical Trials on Geographic Atrophy

Sandrine Zweifel, MD

Recent Clinical Trials in Central Serous Retinopathy

Andrew Lotery, MD

Masquerades of Geographic Atrophy in AMD

Hendrik Scholl, MD

Faculty Commentary

Session II - 1:13:16**Age-Related Macular Degeneration – Choroidal Neovascularization**

Moderators: Carl Regillo, MD and Adrienne Scott, MD

Treat and Extend vs. PRN vs. Fixed Dosing for Neovascular AMD

Neil Bressler, MD

Biostatistical Guidance for Clinicians on P Values and Non-Inferiority Trials: Examples in Neovascular AMD

Brian VanderBeek, MD, MPH

Brolucizumab for Neovascular AMD – Incremental or Substantial

Usha Chakravarthy, MD

Port Delivery Systems for Neovascular AMD – When to Consider

Carl Regillo, MD

Faricimab for Neovascular AMD – Is There a Role

Karl Csaky, MD

Faculty Commentary**Session III - 45:14****Pathologic Myopia**

Moderators: Julia Sein, MD and Kyoko Ohno-Matsui, MD

Growing Problem of Pathologic Myopia

Caroline Klaver, MD, PhD

Terminology, Classification, and Diagnosis of Pathologic Myopia

Tien Wong, MD

Retinal Surgical Challenges in Pathologic Myopia

Taiji Sakamoto, MD

Faculty Commentary**Session IV - 26:49****Intraocular Tumors**

Moderator: Carol Shields, MD and Zelia Corrêa, MD, PhD

Choroidal Melanoma Management in 2020

Carol Shields, MD

Fine Needle Biopsies for Intraocular Tumors

Zelia Corrêa, MD, PhD

Faculty Commentary

Session V - 56:32**Surgical Innovations – The Future is Now**

Moderators: Adam Wenick, MD and J. Fernando Arévalo, MD, PhD

Gene Therapies in Retina

Jacque Duncan, MD

Stem Cell Therapies in Retina

Stanislao Rizzo, MD

Advances in Macular Hole Surgery

John Thompson, MD

3D Viewing Systems

William Mieler, MD

Faculty Commentary**Session VI - 41:54****Retinal Vascular Diseases**

Moderators: Kim Jiramongkolchai, MD and Jennifer Lim, MD

Different Agents for Macular Edema from Retina Vein Occlusions

Michael Ip, MD

Longer-term Follow-up of Anti-VEGF for CRVO Macular Edema

Ingrid Scott, MD, MPH

Sickle Cell Retinopathy in an Era of OCT Angiography

Jennifer Lim, MD

Faculty Commentary**Session VII - 42:36****Diabetic Retinopathy**

Moderator: Jennifer Sun, MD, MPH and Akrit Sodhi, MD, PhD

Treatment Regimens for DME in 2020 According to Initial Vision

Jennifer Sun, MD, MPH

Treatment Regimens for Proliferative Diabetic Retinopathy in 2020

Susan Bressler, MD

Wide Field Imaging and OCT Angiography in Diabetic Retinopathy

Carol Cheung, MD

Faculty Commentary

Session VIII - 56:06**Other Hot Topics in Retina**

Moderators: Mira Sachdeva, MD, PhD and David Wu, MD, PhD

Monitoring Patients for Neovascular AMD – At Office and Home

Anat Loewenstein, MD

Artificial Intelligence in Retina

Michael Chiang, MD

U.S. Federal Policies and Retina

George Williams, MD

Retina Societies after 2020

Judy Kim, MD

Faculty Commentary**Session IX - 27:26****Mahlon Barlow Memorial Lectureship in Ophthalmology: Diagnostic Vitrectomy**

Thomas Albin, MD

Summary and Close of Meeting

J. Fernando Arévalo, MD

ACTIVITY DIRECTOR**Neil Bressler, MD**

Professor of Ophthalmology

JOHNS HOPKINS SPEAKERS**J. Fernando Arevalo, MD, PhD**

Professor of Ophthalmology

Susan Bressler, MD

Professor of Ophthalmology

Zelia Correa, MD, PhD

Professor of Ophthalmology

Kim Jiramongkolchai, MD

Assistant Professor of Ophthalmology

Tin Yan Alvin Liu, MD

Assistant Professor of Ophthalmology

Mira Sachdeva, MD, PhD

Assistant Professor of Ophthalmology

Adrienne Scott, MD

Associate Professor of Ophthalmology

Julia Sein, MD

Ophthalmologist

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**Thomas Albin, MD**

University of Miami

Usha Chakravarthy, MD

Queens University of Belfast

Eye and Ear Clinic

Carol Cheung, MD

Chinese University of Hong Kong

Emily Chew, MD

National Institute, National Institutes of Health

Michael Chiang, MD

Oregon Health and Science University

Karl Csaky, MD, PhD

Retina Foundation of the Southwest Harrington Macular

Degeneration Laboratory

Anderson Vision Research Center

Jacque Duncan, MD

University of California

Michael Ip, MD

David Geffen School of Medicine

Caroline Klaver, MD

Erasmus Medical Center Rotterdam

Jennifer Lim, MD

University of Illinois at Chicago

Judy Kim, MD

Eye Institute- Froedtert Hospital

Anat Loewenstein, MD, PhD

Tel Aviv Sourasky Medical Center

Andrew Lotery, MD

University of South Hampton

William Mieler, MD

University of Illinois at Chicago

Kyoko Ohno-Matsui, MD

Tokyo Medical and Dental University

Carl Regillo, MD

Wills Eye Institute

Thomas Jefferson University

Stanislao Rizzo, MD

University of Florence

Taiji Sakamoto, MD, PhD

Kagoshima University

Graduate School of Medical

and Dental Services

Hendrik Scholl, MD

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Ingrid Scott, MD, MPH

Penn State College of Medicine

Carol Shields, MD

Wills Eye Institute

Thomas Jefferson University

John Thompson, MD

Greater Baltimore Medical Center

Brian VanderBeek, MD, MPH

University of Pennsylvania

George Williams, MD

Beaumont Eye Institute Associated Retinal Consultants

Tien Yin Wong, MD, PhD

Singapore National Eye Center

Sandrine Zweifel, MD

University Hospital Zurich Switzerland

FEES**REGISTRATION CUT-OFF DATE: SEPTEMBER 30, 2021**Methods of Payment: **We require full payment prior to the start of the activity.**Registration Fee: **\$35****CANCELLATION POLICY**

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.

COURSE FORMAT – METHOD OF PARTICIPATION

This enduring material is expected to take approximately 7.75 hours to complete. Once the activity is completed, you must pass the post-test and complete the online evaluation with attestation to receive CME credit.

To register, please visit <https://hopkinscme.cloud-cme.com/aph.aspx?P=8&EID=26061> and complete the registration. Once registered, click “Content & Tests” to view the content and complete the post-test and evaluation.

The content is available at: <https://hopkinscme.cloud-cme.com/aph.aspx?P=8&EID=26061>

RELEASE DATE

October 1, 2020

EXPIRATION DATE

September 30, 2021

HARDWARE/SOFTWARE REQUIREMENTS

Internet connection.

HOW TO OBTAIN CREDIT

Post activity, an online evaluation form will be available to attendees to evaluate the activity and identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. A certificate of attendance will be available immediately for download or print. The last day to evaluate the material and attest to your credits is **September 30, 2021**.

POST-TEST

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