



ATLANTIC COAST RETINA CLUB

MACULA 2024

January 4-6, 2024

New York Academy of Medicine
New York, NY

Presented by:



INTERNATIONAL
RETINAL IMAGING
SOCIETY



In Partnership with:



THE
MACULA
FOUNDATION



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INTERPROFESSIONAL CONTINUING EDUCATION

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ATLANTIC COAST RETINA CLUB

MACULA 2024

Dear Colleagues,



Welcome to New York City for the 48th Annual Atlantic Coast Retina Club (ACRC) and 24th Macula Conference. As most of you know, these meetings have a distinguished history. The ACRC found its origins in the early 1970s as a biannual meeting named the “The New York Fluorescein Club” founded by three pre-eminent local retina specialists: Ronald Carr, Paul Henkind, and Lawrence Yannuzzi. The meeting’s scope expanded later when Stuart Fine, Jerry Shields, and Lawrence Yannuzzi founded the Atlantic Coast Retina Club, a one-day Friday conference open to all retinal specialists. We continue to use their format of single case presentations presented in rapid succession followed by stimulating discussions spanning a wide range of retinal topics such as vascular diseases, macular degeneration, posterior uveitis, inherited retinal disorders, pediatric retina, and tumors. These meetings have alternated annually between Baltimore, Philadelphia, New York City, and Boston.

Twenty-three years after the first ACRC meeting, Larry Yannuzzi invited a group of national medical retinal specialists to participate in a Saturday program, and Macula 2000 was born. Macula 2001 and beyond followed, and the other Atlantic Coast institutions have continued to follow this tradition. A more recent addition is a Thursday afternoon program for trainees to present cases to our distinguished faculty composed of members of the ACRC and invited faculty for the Macula meeting. Because of the expansion in size and scope of the meeting programs, we developed a tradition of limiting the role of host city faculty to moderator or panelists during the Saturday sessions.

We are proud to continue the long-respected traditions of the ACRC and Macula Meetings, and we welcome you to New York City. We are excited to have you join us for what is expected to be another fantastic conference.

Our meeting this year promises to provide new insight into current critical issues which are inherent in retinal diseases and their treatments. A wide range of topics will be included such as recent findings from ongoing pharmacologic and gene therapy trials, advances in retinal imaging, retinal applications for artificial intelligence, and surgical management of retinal diseases.

Our meeting this year promises to provide new insight into current critical issues which are inherent in retinal diseases and their treatments.

Thank you to my dear friends and InTRIS co-trustees from the West Coast, David Sarraf, and Vas Sadda. With their support, InTRIS has become our primary meeting sponsor. We also appreciate the support of our other partner, The Macula Foundation, Inc. We appreciate having had the great fortune to have the assistance of Medical Conference Planners International whose attentiveness and ingenuity have led to the success of past and present meetings. Lastly, we graciously appreciate the contributions of Namrata Saroj who has graciously acted as a consultant, sharing her wealth of experience and expertise in creating a meeting like this.

Best Regards,

K. Bailey Freund, MD

K. Bailey Freund, MD
Program Director

Founders Award

Presented by Carol L. Shields, MD & Lawrence A. Yannuzzi, MD
Saturday, January 6, 2024 - 2:10 PM



Susan B. Bressler, MD
Johns Hopkins University

Dr. Susan Bressler graduated summa cum laude from Smith College, Northampton, MA, USA in 1978. She attended The Johns Hopkins University School of Medicine where she was elected to Alpha Omega Alpha and received the Paul Ehrlich Award for Clinical Investigation at Hopkins' Young Investigators' Day in 1982 for her first project in ophthalmology on age-related macular degeneration. After completing an internship in internal medicine at Johns Hopkins Hospital in 1983, Dr. Bressler pursued an ophthalmology residency at Harvard Medical School's Massachusetts Eye & Ear Infirmary. After a fellowship in medical retina at Wilmer and additional retinal surgery training at Massachusetts Eye & Ear Infirmary (each supported by a Heed and Heed/Knapp fellowship), she returned to Baltimore in 1988 to join the faculty at The Wilmer Eye Institute at Johns Hopkins. In 2000, she became only the second woman physician promoted to Professor of Ophthalmology at The Wilmer Eye Institute. In May 2004 she was inducted as the inaugural recipient of the Julia G. Levy, PhD Professor of Ophthalmology.

Dr. Bressler has a large national and international referral practice at The Wilmer Eye Institute. In addition, she has published 251 peer reviewed articles and 61 book chapters.

Her main research interest has been collaborative efforts in clinical trials —serving as principal investigator of an image reading center that served as a central unit for many clinical trials and epidemiologic investigations, as Vice Chair and leader for secondary manuscripts for the Diabetic Retinopathy Clinical Research Network (DRCR.net) and as principal investigator of a participating clinical center in several clinical trials over 3 decades. . She has worked extensively with pharmaceutical and biotech companies in both early and late stage drug development for management of retinal disease, including clinical trial design, operations, data and safety monitoring, analysis, interpretation and reporting of outcomes. She has received the Rosenthal Award from the Macula Society, the Olga Keith Weiss Scholar Award from Research to Prevent Blindness (RPB), an RPB Physician-Scientist Award, a Senior Achievement Award and a Lifetime Achievement Award from the American Academy of Ophthalmology, a Senior Honor Award and the Gertrude Pyron Award for Lifetime Achievement of Outstanding Research from The American Society of Retina Specialists (ASRS), and was the Inaugural recipient of the Neil Miller Medical Student Teaching Award at The Johns Hopkins University School of Medicine. Additional honors from the ASRS include being granted a Retina Hall of Fame Charter Inductee and a Fellow of the ASRS. She has given several named lectures throughout the US, and has been invited to speak at numerous national and international meetings.



Alexander J. Brucker, MD
Scheie Eye Institute

Dr. Brucker is Professor of Ophthalmology and Chief of the Retina and Vitreous Service at the Scheie Eye Institute/Department of Ophthalmology at the University of Pennsylvania School of Medicine in Philadelphia, Pennsylvania. He holds the endowed Founder's Professorship in Retinal and Vitreous Diseases at the University of Pennsylvania. He is the past president of the Macula Society. He is a member of the Retina Society, the American Society of Retina Specialists, the Club Jules Gonin, and the American Uveitis Society. He has received numerous awards which have acknowledged his leadership in education, research, and patient care. These include the Albrecht von Graefe Award for distinguished contributions in ophthalmology, the Life Achievement Award from the Ophthalmic Club of Philadelphia, the Life Achievement Honor Award from the American Academy of Ophthalmology, the J. Donald M. Gass Medal by the Macula Society, the J. Donald M. Gass Award for his advancements in retinal diseases from the Retina Society and the George E. de Schweinitz Memorial Lecturer in Philadelphia. He has been a guest of honor at the American Academy of Ophthalmology. He is nationally and internationally in demand as a speaker and has been the Honorable Gabriel Coscas Award recipient and lecturer, Paris, France, and most recently was the inaugural Bietti Foundation Awardee and Lecturer honored by the Italian Retinal Society. Dr. Brucker is the Editor-in-Chief of both RETINA, the Journal of Retinal and Vitreous Diseases and the journal Retinal Cases & Brief Reports.



Richard B. Rosen, MD

*New York Eye and Ear of
Mount Sinai*

Richard Rosen, MD is the Belinda and Gerald Pierce Distinguished Chair of Ophthalmology and Professor of Ophthalmology at the Icahn School of Medicine at Mount Sinai. He is Chief of Retina of the Mount Sinai Health System and Retina Fellowship Director, as well as Vice Chairman, Director of Ophthalmology Research, and Surgeon Director at the New York Eye and Ear Infirmary. He is also Honorary Professor in Applied Optics at the University of Kent in Canterbury, UK., where he was awarded an Honorary Doctorate in Medical Physics. Dr. Rosen received his bachelor's degree in psychology and anthropology at the University of Michigan and his MD from the University of Miami School of Medicine. Dr. Rosen's research interests include new treatments for macular degeneration and diabetic retinopathy, innovations in diagnostic retinal imaging, and vitreoretinal surgical instrumentation. He helped pioneer the introduction of multimodal enface OCT/SLO, championed Adaptive Optics SLO Imaging for clinical applications at, pioneered quantitative capillary density mapping for OCT angiography, and is currently developing cellular imaging using clinical OCT along with robotic tools for vitreoretinal surgery.

With the University of Kent and Ophthalmic Technologies (OTI), he helped develop the first multimodal enface OCT/SLO instruments to clinical care along with integrated ICG Angiography, and OCT/SLO Microperimetry. His Advanced Retinal Imaging Laboratory has contributed to translational research into Ultrasound, Macular Pigment Densitometry, Retinal and Choroidal Blood Flow Monitoring, Retinal Oximetry and Metabolic Imaging, and Clinical Microscopy. With Dr. Dan-Ning Hu, director of the NYEE Ocular Cell Culture laboratory, he has also been actively involved in RPE studies of melatonin and zeaxanthin and their role in AMD, malignancy and most recently hydroxychloroquine toxicity. Dr. Rosen has served as PI for numerous industry-sponsor clinical trial and is a Co-PI on several NEI grants including its Audacious Goals program.

With Drs. Joseph Carroll, Alfredo Dubra, and Toco Chui he built the David Marrus Adaptive Optics Imaging facility at the New York Eye and Ear Infirmary, which provides Single Cell Retinal Imaging Diagnostics for patients and clinical studies in the metropolitan region. Innovative tools for measuring retinal capillary dynamics, developed in the lab, have become the standard for quantitative analysis of OCT Angiography. Dr. Rosen has authored more than 200 articles in peer-reviewed journals, 30 book chapters, 6 books, and is cited more than 7500 times. He is recipient of the AAO's Lifetime Achievement Award, is a Lifetime member of the Pan American Association of Ophthalmology, a Gold Fellow of ARVO and the Macula Society's Paul Henkind Award. He has served on Executive Boards of the American Society of Ocular Trauma, Retinal Physician and Ophthalmic Lasers, Surgery and Imaging, and multiple committees of the American Academy of Ophthalmology, the Association for Research in Vision and Ophthalmology and the American Society for Retina Specialists.

Atlantic Coast Retina Club Program

Thursday, January 4 (non-CME)

11:00 AM – 6:45 PM Registration

12:25 – 12:30 PM	WELCOME REMARKS		K. Bailey Freund, MD
12:30 – 1:30 PM	SESSION 1 Moderators: Lee M. Jampol, MD; William F. Mieler, MD; Lawrence A. Yannuzzi, MD		
12:30 – 12:36 PM	Rolika Bansal, MD	1:00 – 1:06 PM	Jonathan E. Noonan, MBBS, PhD
12:36 – 12:42 PM	Cong T. Phan, MD	1:06 – 1:12 PM	Jennifer C.W. Hu, MD, MS
12:42 – 12:48 PM	Anne Strong Caldwell, MD	1:12 – 1:18 PM	Rusdeep S. Munda, MD
12:48 – 12:54 PM	David Fell, MD	1:18 – 1:24 PM	Jeanette Du, MD
12:54 – 1:00 PM	Sidra Zafar, MD	1:24 – 1:30 PM	Ahsan Hussain, MD
1:30 – 2:30 PM	SESSION 2 Moderators: Emily Y. Chew, MD; Itay Chowers, MD; Philip J. Ferrone, MD		
1:30 – 1:36 PM	Claudia Fossataro, MD	2:00 – 2:06 PM	Jorge I. Pincay, BS
1:36 – 1:42 PM	Edward S. Lu, MD	2:06 – 2:12 PM	Stephanie Choi, MD
1:42 – 1:48 PM	Hana A. Mansour, MD	2:12 – 2:18 PM	Michael Yu, MD
1:48 – 1:54 PM	Eugene Kang, MD	2:18 – 2:24 PM	Victoria Ly, MD, MPH
1:54 – 2:00 PM	Lauren Yeager, MD	2:24 – 2:30 PM	Da Meng, MD, PhD
2:30 – 3:30 PM	SESSION 3 Moderators: Gaetano R. Barile, MD & David Sarraf, MD		
2:30 – 2:36 PM	Francesco Cappellani, MD	3:00 – 3:06 PM	Stephanie B. Engelhard, MD
2:36 – 2:42 PM	Lucy V. Cobbs, MD	3:06 – 3:12 PM	Luke Oh, MD
2:42 – 2:48 PM	Tianyu Liu, MD	3:12 – 3:18 PM	Luis A. Martinez-Velazquez, MD, PhD
2:48 – 2:54 PM	Jasaman Tojjar, MD, MSc, PhD(c)	3:18 – 3:24 PM	Erin E. Flynn, MD
2:54 – 3:00 PM	Wilson X. Wang, MPhil	3:24 – 3:30 PM	Georges Sukkarieh, MD
3:30 – 4:00 PM	BREAK		
4:00 – 4:48 PM	SESSION 4 Moderators: David H. Abramson, MD; Emmett T. Cunningham, Jr., MD, PhD, MPH; Nicolas A. Yannuzzi, MD		
4:00 – 4:06 PM	Bitu Momenaei, MD	4:24 – 4:30 PM	Suveera Dang, MD
4:06 – 4:12 PM	Tommaso Bacci, MD	4:30 – 4:36 PM	Bivek Wagle, MD
4:12 – 4:18 PM	Melissa Yuan, MD	4:36 – 4:42 PM	Meredith P. Spitz, MD, MBA
4:18 – 4:24 PM	Samuel Gelnick, MD	4:42 – 4:48 PM	Arjun Watane, MD
4:48 – 5:30 PM	SESSION 5 Moderators: Jason Comander, MD, PhD; Dean Elliott, MD; Jose S. Pulido, MD, MS, MPH, MBA		
4:48 – 4:54 PM	Prithvi Ramtohol, MD	5:12 – 5:18 PM	Rabia Karani, MD, MPH
4:54 – 5:00 PM	Megan S. Steinkerchner, MD	5:18 – 5:24 PM	Olufemi E. Adams, MD
5:00 – 5:06 PM	Jennifer O. Adeghate, MD	5:24 – 5:30 PM	William Foulsham, MD, PhD
5:06 – 5:12 PM	Neeket Patel, MD		

5:30 – 6:18 PM	SESSION 6 <i>Moderators: Alexander J. Brucker, MD; Jasmine H. Francis, MD, FACS; Carol L. Shields, MD</i>		
5:30 – 5:36 PM	<i>Athar Shadmani, MD</i>	5:54 – 6:00 PM	<i>Laura A. Jenny, AB</i>
5:36 – 5:42 PM	<i>Jacques Bijon, MD</i>	6:00 – 6:06 PM	<i>Saghar Bagheri, MD, PhD</i>
5:42 – 5:48 PM	<i>Rebecca F. Silverman, MD</i>	6:06 – 6:12 PM	<i>Chloe Khoo, MD</i>
5:48 – 5:54 PM	<i>Apoorv P. Chebolu, MD</i>	6:12 – 6:18 PM	<i>Landon J. Rohowetz, MD</i>
6:18 – 6:25 PM	VOTE		
6:25 – 6:34 PM	INDUSTRY PRESENTATIONS		
6:25 – 6:28 PM	AbbVie		
6:28 – 6:31 PM	Genentech, Inc.		
6:31 – 6:34 PM	Regeneron Pharmaceuticals, Inc.		
6:34 – 6:45 PM	AWARDS AND CLOSING REMARKS		<i>K. Bailey Freund, MD</i>
6:45 – 7:45 PM	RECEPTION AT THE NEW YORK ACADEMY OF MEDICINE		

Atlantic Coast Retina Club Program

Friday, January 5

7:00 AM – 5:30 PM Registration

7:00 AM – 5:30 PM Exhibits

7:00 – 7:45 AM BREAKFAST

7:45 – 8:00 AM WELCOME REMARKS *K. Bailey Freund, MD*

8:00 – 9:10 AM SESSION 1: TUMORS & ONCOLOGY
Moderators: David H. Abramson, MD; William F. Mieler, MD; Carol L. Shields, MD

8:00 – 8:07 AM	Primary CNS and Vitreoretinal Lymphoma Mimicking Viral Retinitis in a Young Patient	<i>Nitish Mehta, MD</i>
8:07 – 8:14 AM	Belzutifan and Ocular VHL	<i>Emily Y. Chew, MD</i>
8:14 – 8:21 AM	Mystery Case	<i>William F. Mieler, MD</i>
8:21 – 8:28 AM	Mystery Case	<i>Jasmine H. Francis, MD, FACS</i>
8:28 – 8:35 AM	Just Another CSR?	<i>Dimosthenis Mantopoulos, MD, PhD</i>
8:35 – 8:42 AM	Blurry Vision in a Patient with Metastatic Ovarian Cancer on Immunotherapy	<i>Scott D. Walter, MD, MSc, FASRS</i>
8:42 – 8:49 AM	Retinoblastoma vs Coats	<i>David H. Abramson, MD</i>
8:49 – 8:56 AM	Mystery Case	<i>Ivana Kim, MD, MBA</i>
8:56 – 9:03 AM	Mystery Case	<i>J. Fernando Arevalo, MD, PhD, FACS, FASRS</i>
9:03 – 9:10 AM	What's This?	<i>Carol L. Shields, MD</i>

9:10 – 10:06 AM SESSION 2: VITREORETINAL SURGERY
Moderators: J. Fernando Arevalo, MD, PhD, FACS, FASRS; Dean Elliott, MD; Yoshihiro Yonekawa, MD

9:10 – 9:17 AM	A Traumatic Macular Hole with Dehemoglobinized Submacular Hemorrhage	<i>Ishrat Ahmed, MD, PhD</i>
9:17 – 9:24 AM	Mystery Case	<i>John B. Miller, MD</i>
9:24 – 9:31 AM	Tractional Retinal Detachment in a Patient with a History of Methamphetamine Use	<i>Osama Sabbagh, MD</i>
9:31 – 9:38 AM	Subluxed Colobomatous Lens with Chorioretinal Coloboma	<i>Matthew R. Starr, MD</i>
9:38 – 9:45 AM	An Unusual Vitreous Detachment and Hemorrhage	<i>John T. Thompson, MD</i>
9:45 – 9:52 AM	Mystery Case	<i>Yoshihiro Yonekawa, MD</i>
9:52 – 9:59 AM	RONA Technique in Approaching Macular Hole in Cases with Impaired Surgical View	<i>Masoud Mirghorbani, MD, MPH</i>
9:59 – 10:06 AM	Mystery Case	<i>Michael Engelbert, MD, PhD</i>

10:06 – 10:36 AM BREAK

10:36 – 11:46 AM SESSION 3: MACULAR DISEASE
Moderators: Itay Chowers, MD; Talia R. Kaden, MD; Adnan Tufail, MD, FRCOphth

10:36 – 10:43 AM	Faricimab in the Treatment of Ranibizumab and Susvimo Resistant Polypoidal Choroidal Vasculopathy	<i>Adnan Tufail, MBBS, MD, FRCOphth</i>
10:43 – 10:50 AM	Geographic Atrophy?	<i>Itay Chowers, MD</i>
10:50 – 10:57 AM	Hot Nerve Sign	<i>David M. Brown, MD, FACS</i>

10:57 – 11:04 AM	Accutane and AMN	Ravi Parikh, MD, MPH
11:04 – 11:11 AM	Mystery Case	Dean Elliott, MD
11:11 – 11:18 AM	Mystery Case	Talia R. Kaden, MD
11:18 – 11:25 AM	Too Many Hemorrhages	Anat Loewenstein, MD, MHA
11:25 – 11:32 AM	Mystery Case	Adnan Tufail, MBBS, MD, FRCOphth
11:32 – 11:39 AM	Mystery Case	Lawrence A. Yannuzzi, MD
11:39 – 11:46 AM	Laser Pointer Induced Macular Hole Injuries and Surgical Repair in Children	Philip J. Ferrone, MD
11:46 AM – 12:21 PM	SESSION 4: MEDICAL RETINA & OTHERS <i>Moderators: Neil M. Bressler, MD; Daniel B. Roth, MD; Srinivas R. Sadda, MD</i>	
11:46 – 11:53 AM	Mystery Case	Nicolas A. Yannuzzi, MD
11:53 AM – 12:00 PM	Mystery Case	Audina M. Berrocal, MD
12:00 – 12:07 PM	Unusual Exudative Retina Detachment	Daniel B. Roth, MD
12:07 – 12:14 PM	Mystery Case	David Sarraf, MD
12:14 – 12:21 PM	Mystery Case	Stephen H. Tsang, MD, PhD
12:21 – 1:30 PM	LUNCH	
1:30 – 2:19 PM	SESSION 5: RETINAL VASCULAR DISEASE <i>Moderators: Alexander J. Brucker, MD; Lee M. Jampol, MD; Lawrence A. Yannuzzi, MD</i>	
1:30 – 1:37 PM	When the Routine Becomes Dangerous	Serena Fragiotta, PhD
1:37 – 1:44 PM	One or Two Diseases?	Lee M. Jampol, MD
1:44 – 1:51 PM	Optical Coherence Tomography Angiography Hypointense Bands in Retinal Occlusive Disease	Diogo Cabral, MD
1:51 – 1:58 PM	Mystery Case	Richard B. Rosen, MD
1:58 – 2:05 PM	A Curious Case of Diabetic Macular Edema	Nauman A. Chaudhry, MD
2:05 – 2:12 PM	Still a Mystery Case	Jay Chhablani, MD
2:12 – 2:19 PM	Epiretinal Neovascularization in an Infant with Celiac Sprue	Emanuele Crincoli, MD, FEBO
2:19 – 3:15 PM	SESSION 6: UVEITIS & GENETICS (PART I) <i>Moderators: Emmett T. Cunningham, Jr., MD, PhD, MPH; Amani A. Fawzi, MD; Yasha S. Modi, MD</i>	
2:19 – 2:26 PM	Bilateral Choroiditis	Deep Parikh, MD
2:26 – 2:33 PM	Mystery Case	Yasha S. Modi, MD
2:33 – 2:40 PM	Bilateral Panuveitis and Serous Retinal Detachment	Tamara L. Lenis, MD, PhD
2:40 – 2:47 PM	Graves' Disease and Blurry Vision	Kyoko Ohno-Matsui, MD, PhD
2:47 – 2:54 PM	Mystery Case	Alexander J. Brucker, MD
2:54 – 3:01 PM	Mystery Case	Naomi Goldberg, MD, PhD
3:01 – 3:08 PM	Mystery Case	Vaidehi S. Dedania, MD
3:08 – 3:15 PM	Multifocal Tuberculous Chorioretinitis After Intravesical BCG Treatment for Bladder Cancer	Arman Mashayekhi, MD
3:15 – 3:45 PM	BREAK	

Atlantic Coast Retina Club Program

Friday, January 5 (continued)

3:45 – 4:34 PM	SESSION 7: UVEITIS & GENETICS (PART II) <i>Moderators: Debra A. Goldstein, MD; David Sarraf, MD; Richard F. Spaide, MD</i>	
3:45 – 3:52 PM	Mystery Case	James P. Dunn, MD
3:52 – 3:59 PM	Mystery Case	Amani A. Fawzi, MD
3:59 – 4:06 PM	History of Presenting Illness	Kunal K. Dansingani, MBBS, MA, FRCOphth
4:06 – 4:13 PM	Think	Jose S. Pulido, MD, MS, MPH, MBA
4:13 – 4:20 PM	An Unsavory Choroidal	R. Rishi Gupta, MD
4:20 – 4:27 PM	Mystery Case	C. Michael A. Samson, MD, MBA
4:27 – 4:34 PM	Mystery Case	Richard F. Spaide, MD
4:34 – 5:23 PM	SESSION 8: INHERITED RETINAL DISEASE <i>Moderators: Anita Agarwal, MD; Camiel J.F. Boon, MD, PhD, FEBO; Jose S. Pulido, MD, MS, MPH, MBA</i>	
4:34 – 4:41 PM	Retinal Degeneration with WES Negative in a Family	Nan-Kai Wang, MD, PhD
4:41 – 4:48 PM	Retinal Disease Pedigree	Jason Comander, MD, PhD
4:48 – 4:55 PM	Mystery Case	Anita Agarwal, MD
4:55 – 5:02 PM	All in the Family	Nimesh A. Patel, MD
5:02 – 5:09 PM	Mystery Case	Mandeep Singh, MD, PhD
5:09 – 5:16 PM	Far and Away	Tongalp H. Tezel, MD
5:16 – 5:23 PM	Are You Sure This is AMD?	Jaclyn L. Kovach, MD
5:23 – 5:30 PM	CLOSING REMARKS	K. Bailey Freund, MD
6:30 – 9:30 PM	DINNER AT GUASTAVINO'S (Pre-registration with payment required)	

Macula 2024 Program

Saturday, January 6

7:00 AM – 6:30 PM Registration

7:00 AM – 3:50 PM Exhibits

7:00 – 7:30 AM BREAKFAST

7:30 – 7:40 AM WELCOME REMARKS *K. Bailey Freund, MD*

7:40 – 8:20 AM SESSION 1 – BASIC SCIENCE: NEW TISSUE-LEVEL APPROACHES TO MACULAR HEALTH AND DISEASE

Moderators: Christine A. Curcio, PhD & Andreas Pollreisz, MD

7:40 – 7:50 AM Saturated Reconstruction of an Entire Human RPE Cell by 3D Electron Microscopy *Andreas Pollreisz, MD*

7:50 – 8:00 AM Composition of Subretinal Drusenoid Deposits Revealed by Imaging Mass Spectrometry *Kevin L. Schey, PhD*

8:00 – 8:10 AM Microscopy and Mineralomics of Bruch's Membrane in PXE *Imre Lengyel, PhD*

8:10 – 8:20 AM A New Narrative on RPE Lipofuscin and Autofluorescence via Regional Analysis of Retinal Pigment Epithelium *Christine A. Curcio, PhD*

8:20 – 9:00 AM SESSION 2 – IMAGING

Moderators: John B. Miller, MD & Richard B. Rosen, MD

8:20 – 8:30 AM Retinal Gene Therapy Approaches and Risks: Interesting Imaging Findings *Nadia K. Waheed, MD, MPH*

8:30 – 8:40 AM Foveal Sparing, Double-Layer Sign and GA Progression: A Complex Relationship! *Amani A. Fawzi, MD*

8:40 – 8:50 AM Retinal Amyloid in Subjects with Autosomal Dominant Alzheimer's Disease *Amir H. Kashani, MD, PhD*

8:50 – 9:00 AM Trizonal Distribution of Drusen and SDD with En Face OCT Maps to Photoreceptor Density *David Sarraf, MD*

9:00 – 9:30 AM SESSION 3 – VITREORETINAL SURGERY PANEL I

Moderator: Audina M. Berrocal, MD

Panelists: Gaetano R. Barile, MD; Talia R. Kaden, MD;

James Klancnik, MD; Kyle D. Kovacs, MD; Kenneth J. Wald, MD

9:30 – 10:00 AM BREAK

10:00 – 10:50 AM SESSION 4 – OTHER MACULAR DISEASES

Moderators: William F. Mieler, MD; Lawrence Singerman, MD; Lawrence A. Yannuzzi, MD

10:00 – 10:10 AM The Complement Cascade and AFVD- Large Case Series with Genetic Analysis *Itay Chowers, MD*

10:10 – 10:20 AM Evidence-Based Treatment Guidelines for CSC *Camiel J.F. Boon, MD, PhD, FEBO*

10:20 – 10:30 AM Update on Neurotech Implant for MAcTel2 *Emily Y. Chew, MD*

10:30 – 10:40 AM Long-Term Changes of Posterior Vortex Veins in Highly Myopic Eyes *Kyoko Ohno-Matsui, MD, PhD*

10:40 – 10:50 AM Amyloid and the Eye *Anita Agarwal, MD*

10:50 – 11:20 AM SESSION 5 – AMD NON-NEOVASCULAR

Moderators: Alexander J. Brucker, MD & Philip J. Rosenfeld, MD, PhD

10:50 – 11:00 AM Measuring Functional Outcomes in Dry AMD *Eleonora G. Lad, MD, PhD*

11:00 – 11:10 AM If Not Complement, What Else Should We Be Looking for to Treat GA? *Demetrios G. Vavvas, MD, PhD*

11:10 – 11:20 AM Update on the GA Drug Pipeline *Peter K. Kaiser, MD*

Macula 2024 Program

Saturday, January 6 (continued)

11:20 – 11:50 AM	CONTROVERSIES IN GA MANAGEMENT PANEL Moderator: Jason S. Slakter, MD Panelists: Irene A. Barbazetto, MD; Philip J. Ferrone, MD; Lee M. Jampol, MD; Philip J. Rosenfeld, MD, PhD	
11:50 AM – 1:00 PM	LUNCH	
	12:00 – 12:45 PM SATELLITE SYMPOSIA (non-CME) ^	
	INTEGRATING ANTI-INFLAMMATORY TREATMENT FOR DIABETIC MACULA EDEMA Peter K. Kaiser, MD & Adrienne W. Scott, MD Presented by AbbVie	AN EXPERT DISCUSSION OF OAKS, DERBY AND 1-YEAR GALE DATA AND TREATING APPROPRIATE PATIENTS Ferhina S. Ali, MD, MPH & Scott D. Walter, MD, MSc, FASRS Presented by Apellis Pharmaceuticals
	VABYSMO: THE FIRST AND ONLY DUAL-PATHWAY-INHIBITING THERAPY IN nAMD AND DME Michael Engelbert, MD, PhD Presented by Genentech, Inc.	JOIN THE LATEST CONVERSATIONS IN TREATING WET AMD AND DME Howard Fine, MD, MHSc Presented by Regeneron Pharmaceuticals, Inc.
1:00 – 1:40 PM	SESSION 6 – AMD-NEOVASCULAR Moderators: J. Fernando Arevalo, MD, PhD, FACS, FASRS & Susan B. Bressler, MD	
1:00 – 1:10 PM	Home-OCT Guided Management of Neovascular AMD	Anat Loewenstein, MD, MHA
1:10 – 1:20 PM	Update on Biosimilars	Neil M. Bressler, MD
1:20 – 1:30 PM	Which Anti-VEGF for nAMD?	Judy E. Kim, MD, FARVO, FASRS
1:30 – 1:40 PM	Role of Gene Therapy – What Can We Expect?	Allen C. Ho, MD
1:40 – 2:10 PM	CHOOSING BETWEEN AVAILABLE DRUGS FOR NEOVASCULAR AMD TO USE IN CLINICAL PRACTICE PANEL Moderator: Marco A. Zarbin, MD, PhD Panelists: David M. Brown, MD, FACS; Michael J. Cooney, MD, MBA; Carl D. Regillo, MD; Nicolas A. Yannuzzi, MD	
2:10 – 2:25 PM	FOUNDERS AWARD Presented by Carol L. Shields, MD & Lawrence A. Yannuzzi, MD Recipients: Susan B. Bressler, MD; Alexander J. Brucker, MD; Richard B. Rosen, MD	
2:25 – 2:55 PM	SESSION 7 – ARTIFICIAL INTELLIGENCE/TECHNOLOGY Moderators: Srinivas R. Sadda, MD & Richard F. Spaide, MD	
2:25 – 2:35 PM	Deep Learning Approaches for Assessment of AMD Biomarkers	Srinivas R. Sadda, MD
2:35 – 2:45 PM	The Impact of Intravitreal Anti-VEGF for Diabetic Macular Oedema Treatment on Development of Proliferative Diabetic Retinopathy	Adnan Tufail, MBBS, MD, FRCOphth
2:45 – 2:55 PM	Known Unknowns: Determining the Certainty of Neural Network Predictions	Theodore Spaide, PhD
2:55 – 3:25 PM	SESSION 8 – RETINAL VASCULAR DISEASES/DR Moderators: Adrienne W. Scott, MD & John Sorenson, MD	
2:55 – 3:05 PM	Staging Risk for Worsening Diabetic Retinal Disease	Jennifer K. Sun, MD, MPH
3:05 – 3:15 PM	Current and Emerging Approaches to Management of Diabetic Retinopathy	Michael S. Ip, MD
3:15 – 3:25 PM	Update on RVO	Peter A. Campochiaro, MD
3:25 – 3:50 PM	BREAK	

3:50 – 4:20 PM	SESSION 9 – SPECIAL GUEST: WILEY A. CHAMBERS, MD INTERVIEW WITH DAVID M. BROWN, MD, FACS	
4:20 – 4:50 PM	SESSION 10 – VITREORETINAL SURGERY PANEL II <i>Moderator: Dean Elliott, MD</i> <i>Panelists: Avnish Deobhakta, MD; Michael Engelbert, MD, PhD; William M. Schiff, MD; Tongalp H. Tezel, MD; Matthew Wheatley, MD</i>	
4:50 – 5:20 PM	UVEITIS/INFLAMMATION PANEL <i>Moderators: Emmett T. Cunningham, Jr., MD, PhD, MPH & Debra A. Goldstein, MD</i> <i>Panelists: James P. Dunn, MD; Naomi Goldberg, MD, PhD; Yasha S. Modi, MD; C. Michael A. Samson, MD, MBA; Lucia Sobrin, MD, MPH</i>	
5:20 – 5:50 PM	SESSION 11 – INHERITED RETINAL DISEASES & PEDIATRICS <i>Moderators: Vaidehi S. Dedania, MD & Stephen H. Tsang, MD, PhD</i>	
5:20 – 5:30 PM	Defining a Phenotypic Map of Stargardt Disease Based on Multimodal Biomarker Analysis	Mandeep Singh, MD, PhD
5:30 – 5:40 PM	The State of Pediatric Retinal Detachment Surgery in the United States	Yoshihiro Yonekawa, MD
5:40 – 5:50 PM	A Re-Evaluation of Vitamin Supplementation for Retinitis Pigmentosa and the Effects of Genotype on Progression Rates	Jason Comander, MD, PhD
5:50 – 6:20 PM	CONTROVERSIES IN TUMOR MANAGEMENT PANEL <i>Moderators: David H. Abramson, MD & Carol L. Shields, MD</i> <i>Panelists: Jasmine H. Francis, MD, FACS; Ivana Kim, MD, MBA; Brian P. Marr, MD; Jose S. Pulido, MD, MS, MPH, MBA</i>	
6:20 – 6:30 PM	CLOSING REMARKS	K. Bailey Freund, MD
6:30 – 7:30 PM	CLOSING RECEPTION AT THE NEW YORK ACADEMY OF MEDICINE	

^Not part of the educational activity. Non-CME

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