

# MACULA 2012

## ATLANTIC COAST RETINA CLUB

Friday, January 20 and Saturday, January 21 2012



*Dennis Orlock, CRA*

### **COURSE DIRECTORS**

K. Bailey Freund, MD  
Harvey A. Lincoff, MD  
Jason S. Slakter, MD  
Richard F. Spaide, MD  
Lawrence A. Yannuzzi, MD

### **LOCATION**

Farkas Auditorium  
New York University School of Medicine  
550 1st Avenue at 30th Street • New York, NY 10016

### **CO-SPONSORED BY**

NYU Post-Graduate Medical School & North Shore-LIJ Health System

### **PRESENTED BY**

Manhattan Eye, Ear and Throat Hospital

*Supported by The Macula Foundation, Inc.*



Dear Friends:

It gives us great pleasure to welcome you to MACULA 2012, a combined meeting of the Atlantic Coast Retina Club (ACRC) and the tri-annual New York Retina meeting on vitreous-retina and macular diseases. We are very pleased to see such an elite group of researchers and clinicians assembled to present their most recent observations, which will hopefully lead to a better understanding of the complexities of macular disease. Since our last meeting three years ago, advances in imaging, ocular genetics, molecular biology, immunology, and ophthalmic therapeutics have emerged to introduce new concepts in diagnosis and treatment. Many of these developments will be discussed today. This year, we are also honoring four distinguished members of the ophthalmic community, retinal specialists who have made numerous, original, innovative and lasting contributions to our subspecialty. Furthermore, each is a devoted member of the ACRC, an esteemed colleague and dear friend to us all. As is custom, the ACRC and MACULA 2012 have chosen four masters in the field of retina, living legends in our subspecialty and internationally, acclaimed figures who have gained worldwide respect and admiration by their peers. . . Dr. Stanley Chang, Dr. Travis A. Meredith, Dr. M. Madison Slusher and Dr. Joseph B. Walsh. Each is also a retired chairperson at his distinguished university department of ophthalmology.

As we recognize and honor the lifetime contributions of our honorees, it is appropriate to review the history of the ACRC and our tri-annual meeting, MACULA 2012. The ACRC found its origins in a local, biannual meeting of "The New York Fluorescein Club," founded by Dr. Ron Carr, Dr. Paul Henkind and Dr. Lawrence A. Yannuzzi, more than forty years ago. Fresh from retinal vascular studies in England, Paul introduced new ideas to synthesize with Ron's encyclopedic knowledge of retinal disease and Larry's experience with a new diagnostic retinal adjunct, fluorescein angiography. Larry had been diligently following and adopting the pioneering work of the late Dr. J. Donald Gass, one of our previously featured speakers and honorees. Enter Dr. David Eifrig, who served as chairman of the department of ophthalmology at the University of North Carolina. He invited Dr. Stuart Fine and Dr. Jerry Shields to join Larry in organizing a larger group for a meeting to be held on alternate years at the Wilmer Eye Institute in Baltimore, the Wills Eye Hospital in Philadelphia, and the Manhattan Eye, Ear & Throat Hospital here in New York City. The first meeting of the ACRC (originally referred to as the Atlantic Coast Fluorescein Angiography Club) was held more than four decades ago. The program format was modeled after the New York concept, specifically the presentation of a series of unusual and challenging retinal cases, followed by open and lively discussions. The concept of the "mystery case" became a common theme, playing a principal role in the program then, as it does now. This model of single case presentations introduced in rapid and short fashion ("staccato") and followed by stimulating and enlightening discussions, has been adopted by other groups worldwide, most notably the European Fluorescein Angiography Club, founded by Dr. Alan Bird, who is here today; the Pre-Academy Fluorescein Angiography Club (now known as the Gass Club), founded by Dr. Howard Schatz, who is here today; the Mid-Western Ocular Angiography Conference (MOAC), founded by Dr. William Mieler, who is here today; and the Retinal Club of Cortina, Italy, founded by Rosario Brancato, who was unable to join us today. The ACRC has expanded north and south, along the Eastern Seaboard, to include members from Maine to Florida, along with participants from the rest of the continental states, as is reflected in this meeting's registration. National and international retinal societies have also adopted a similar case presentation segment to lead off their meetings.

Here in New York, it has become a tradition to precede the ACRC meeting with a didactic event to train retinal fellows and to give them the opportunity to present cases to a distinguished faculty composed of members of the ACRC and invited participants for MACULA 2012. This year, the coveted and prestigious Pisart Award by The Lighthouse International will be given to Dr. Gregory Hageman, chairman of the Department of Ophthalmology at the University of Iowa at the end of that day. The ACRC and MACULA 2012 are honored to join with The Lighthouse International to host that special event.

Our overall meeting this year promises to provide a better understanding of current critical issues which are inherent in macular diseases and their treatments. They include new concepts and chorioretinal imaging, the emergence of past and newly approved pharmacotherapeutic therapies, and treatment modalities, particularly in diseases associated with severe vision loss, such as diabetic retinopathy and age-related macular degeneration and beyond. Other aspects in the management of these and other diseases will include nutritional supplements, epidemiological risk factors, genetic markers, possibilities for cellular transplantation, and newly recognized clinical diseases and their variants. As in the past, the organizational committee for these meetings will be represented by the medical school ophthalmological departments in the Greater New York area, in short a regionally based and sponsored academic program.

Harvey A. Lincoff, MD  
Lawrence A. Yannuzzi, MD

## HONOREES

### STANLEY CHANG, MD



Stanley Chang has been a creative intellect and administrative genius in the field of ophthalmology for more than a generation. He has received numerous prestigious awards for outstanding contributions in the field of vitreoretinal surgery, virtually every distinguished honor or lectureship in our field. His achievements cumulatively represent creative, original and lasting contributions that each member of the retinal community utilizes daily in the practice of this subspecialty. Stan has served to elevate Columbia University Department of Ophthalmology to one of the most important ophthalmic institutions in our country. As chairperson, he has effectively raised enormous funding to improve the facility, to attract distinguished faculty, and to train many of the leaders in the field of retina today, many of which are featured speakers here at MACULA 2012. In addition to meeting the challenge of sustaining a prestigious institution as a premier ophthalmic center in the world, he has managed to meet clinical and scientific demands of our specialty at the highest level. Somehow, he has managed to find time to serve retinal societies throughout the world in addition to training countless retinal fellows and peers. His natural intelligence, intuition, unyielding energy, and unbending sense of morality have made him a unique figure in our generation or any generation.

### TRAVIS A. MEREDITH, MD



Travis A. Meredith has been a pioneer in ophthalmic research and teaching in the field of medical and surgical retina. He has helped to shape our advances in complex diseases, particularly in the area of molecular biology, genetic markers, and macular-retinal vascular and infectious diseases. His outstanding work began at the Wilmer Eye Institute laboratories and then he illuminated other departments in the Midwest and Atlantic Coast, settling at North Carolina School of Medicine, where he has been chairman for nearly four decades. His work has gained world recognition and admiration as he has helped to originate and design the subspecialty of medical-retinal through histopathological correlations, evidence-based management of diseases national collaborative clinical trials, and numerous bio-scientific publications in our most prestigious peer-review journals. Recognition here by the Atlantic Coast Retinal Club adds to numerous worldwide awards and recognition, virtually every coveted and prestigious award in our subspecialty.

## M. MADISON SLUSHER, MD



M. Madison (Murph) Slusher has made many ophthalmological contributions that have helped numerous people in various ways. To his patients, he has been an extraordinary healer and restorer of sight. To his colleagues, he has been a master of original and innovative thinking and a teacher who has helped shape the specialty of ophthalmology in the anterior and posterior segments of the eye. To his students, he has been a dedicated teacher and the ultimate scholar for his students to emulate. In fact, “Murph” has been the recipient of numerous regional worldwide honors for achievements in the field of ophthalmology and a faithful member of the Atlantic Coast Retinal Club since its onset. As chairman of the department of ophthalmology at Bowman Gray Wake Forest, he has been an exemplary physician in many ways such as a superb clinician, tireless educator, and an inspiration to his residents and fellows as a mentor. Accordingly, he has earned the respect and admiration of his patients, students and peers in perpetuity.

## JOSEPH B. WALSH, MD



Joseph B. Walsh has trained more than a generation of medical students, residents, fellows, and retinal specialists. Patients around the world have been touched by his many accomplishments. As a scholar of the highest order, he has received numerous professional and civic awards, has led in the description of retinal vascular abnormalities, beginning with his work with Paul Henkind, his personal mentor. He is a leader of leaders and a driving administrative force behind the New York Eye & Ear Infirmary. He has done more to sustain its recognition and esteem in his generation and beyond. He has also singularly excelled in clinical-scientific advances in the eye care industry, as well as its advances to meet the challenges of its future development. His achievements are original and innovative, and his ocular institutional model will be a lasting standard, now and in the future.

As you see, our honorees share many characteristics. Each is a gifted clinician, scientist, and educator. Each is also a devoted family person. Wit, wisdom and warmth are qualities that best characterize them from a personal and professional perspective. At this time, each has made the decision to change his spectrum of professional activities in a manner yet to be completely described. I invite you to join us in saluting their achievements as they retire from the administrative challenges of a chairperson. We invite you also to thank them for their contributions to the Atlantic Coast Retinal Club and their everlasting friendship. The global representation of today's faculty and participants is evidence of their widespread interests in macula-retinal disease, in addition to a statement of our mutual desire to pay tribute to these distinguished honorees.

# MACULA 2012

## FRIDAY January 20, 2012

### 6:30-7:15am BREAKFAST & REGISTRATION

### 7:15-7:30am WELCOME

*Lawrence Yannuzzi, MD*

### 7:30-8:00am

**Moderator:** *K. Bailey Freund, MD*

**Chairman:** *William Mieler, MD*

Leukocoria and Calcification: What next? - *Carol Shields, MD*

Unusual Fundus Mass: Mystery Case - *Jerry Shields, MD*

Mystery Case - *William Mieler, MD*

Mystery Case - *Lee Jampol, MD*

### 8:00-8:30am

**Moderator:** *Jason Slakter, MD*

**Chairman:** *Alan Bird, MD*

Sporadic Foveal Schisis - *Anita Agarwal, MD*

Golden Tapetal Fundus - *David Sarraf, MD*

An Unusual Retinal Dystrophy in a Young Child - *Anthony Moore, MD*

Young Woman with Retinitis - *H. Richard McDonald, MD*

### 8:30-9:00am

**Moderator:** *Anita Agarwal, MD*

**Chairman:** *Alexander Brucker, MD*

COMPLETE-ly Interesting Cases - *Philip Rosenfeld, MD, PhD*

Unknown Peripheral Retinal Occlusive Disease - *Lawrence Yannuzzi, MD*

West Indies Crinkled Retinopathy - *Salomon Cohen, MD, PhD*

Visual Loss in a Child - *Graham Holder, MD*

### 9:00-9:30am

**Moderator:** *Lee Jampol, MD*

**Chairman:** *Morton Goldberg, MD*

Lysyl Hydroxylase Deficiency - *Irene Maumenee, MD*

Management of Bilateral Disease - *David Abramson, MD*

The Diagnosis is Just the Beginning - *Yale Fisher, MD*

Retinopathy in a Patient with Spinocerebellar Ataxia - *Veronika Vaclavik, MD*

### 9:30-10:00am

**Moderator:** *Richard Spaide, MD*

**Chairman:** *Jerry Shields, MD*

Accumulation and Clearance of Lipofuscin in the RPE - *Shalesh Kaushal, MD, PhD*

Diagnostic and Therapeutic Challenges with Posterior Uveitis - *Quan Dong Nguyen, MD*

Unusual Case of Vision Loss - *Diana Do, MD*

Vitreous Hemorrhage in a Young Woman - *Philip Ferrone, MD*

## 10:00-10:30am COFFEE & EXHIBITS

### 10:30-11:00am

**Moderator:** *Jose Pulido, MD*

**Chairman:** *H. Richard McDonald, MD*

Mystery Case - *Richard Spaide, MD*

Drusenoid Pigment Epithelial Detachment - *Gary Abrams, MD*

CRVO with Refractory Subretinal Fluid - *Mark Johnson, MD*

Mystery Serous Detachments - *R. Theodore Smith, MD, PhD*

### 11:00-11:30am

**Moderator:** *Gaetano Barile, MD*

**Chairman:** *Marco Zarbin, MD, PhD*

Serous Detachment of the Retina: Etiology Unknown - *Alexander Brucker, MD*

CRVO After Intensive Exercise - *Harry Flynn, Jr., MD*

Myopic Foveoschisis - *John Thompson, MD*

Late Complication and Treatment of AMHRV: A Case Study - *Mark Blumenkranz, MD*

### 11:30-12:00pm

**Moderator:** *Emmett Cunningham, Jr., MD*

**Chairman:** *William Tasman, MD*

Mystery Case - *Irene Barbazetto, MD*

Circumpapillary Melanoma Treatment - *Paul Finger, MD*

Mystery Case - *Hermann Schubert, MD*

The Use of Off-Label Sildenafil to Increase Choroidal Perfusion in a

Case of Late Onset Vitelliform Macular Degeneration - *D. Jackson Coleman, MD*

## 12:00-1:00pm ONCOLOGY

**Moderator:** *David Abramson, MD*

**Chairman:** *Carol Shields, MD*

Pearls in the Diagnosis of Uveal Melanoma - *Jerry Shields, MD*

OCT and Autofluorescence in Ocular Tumors - *Carol Shields, MD*

Diagnosis and Management of Radiation Retinopathy - *Paul Finger, MD*

The MEK Inhibitor Trial for Metastatic Uveal Melanoma - *Richard Carvajal, MD*

Intraocular Lymphoma - *Brian Marr, MD*

Pearls in the Diagnosis of Retinoblastoma - *David Abramson, MD*

## 1:00-1:30pm LUNCH & EXHIBITS

### 1:30-2:45pm SURGERY UPDATE: VITREOUS RETINA MACULA

**Introduction:** *Richard Spaide, MD*

**Moderator:** *John Thompson, MD*

**Chairman:** *C. Pat Wilkinson, MD*

Dyes Used in Vitreoretinal Surgery - *Grazia Pertile, MD*

Macular Hole Update - *John Thompson, MD*

Pharmacologic Prevention of PVR - *Richard Kaiser, MD*

**DECISION POINT ROUNDTABLE:  
MISTAKES IN VR SURGERY AND  
HOW THEY ARE MANAGED**

**Moderator:** *Gaurav Shah, MD*

**Panelists:** *Stanley Chang, MD*  
*H. Richard McDonald, MD*  
*Grazia Pertile, MD*

Innovations in Vitreoretinal Surgery - *Grazia Pertile, MD*

Repositioning Dislocated IOLs - *Kenneth Wald, MD*

Strategies in Subretinal Mass Hemorrhage - *Peter Szurman, MD, PhD*

New Techniques for Retinal Reattachment Surgery - *Peter Szurman, MD, PhD*

**2:45-3:15pm COFFEE & EXHIBITS**

**3:15-4:30pm SURGERY UPDATE:  
VITREOUS RETINA MACULA**

**Moderator:** *Stanley Chang, MD*

**Chairman:** *Donald D'Amico, MD*

New Trends in Vitrectomy for Diabetic Retinopathy - *Carl Awh, MD*

New Method to Reposition Dislocated IOLs - *H. Matthew Wheatley, MD*

**RAPID FIRE SURGERY ROUNDTABLE**

**Moderator:** *H. Richard McDonald, MD*

**Panelists:** *Szilard Kiss, MD*  
*John Sorenson, MD*  
*James Klancnik, Jr., MD*  
*Peter Szurman, MD*  
*Philip Ferrone, MD*

New Instrumentation - *Richard Spaide, MD*

New Ideas in Retinal Reattachment Surgery - *George William Aylward, MD*

Is Face Down Positioning Unnecessary? - *George William Aylward, MD*

**4:30-5:00pm HONOREE**

**Introduction:** *D. Jackson Coleman, MD and Harvey Lincoff, MD*

**STANLEY CHANG, MD**

# MACULA 2012

## **SATURDAY** January 21, 2012

### **6:30-7:15am** BREAKFAST & REGISTRATION

### **7:15-7:30am** WELCOME

*Lawrence Yannuzzi, MD*

### **7:30-8:30am** ADVANCES IN HEREDITARY DISEASE

**Moderator:** *Ronald Carr, MD*

**Chairman:** *Mario Stirpe, MD*

Gene Associations - *Rando Allikmets, PhD*

Predictive, Preventive, and Personalized (P3) Medicine - *Stephen Tsang, MD, PhD*

Cell Transplantation - *Lucian Del Priore, MD, PhD*

ERG Correlation - *Graham Holder, MD*

Human Gene Therapy - *Szilard Kiss, MD*

### **8:30 -9:30am** ADVANCES IN CHORIORETINAL IMAGING

**Moderator:** *Richard Spaide, MD*

**Chairman:** *D. Jackson Coleman, MD*

High-Speed Imaging of the Choriocapillaris - *Robert Flower, PhD*

Single Cell Imaging in Clinical Practice Using Adaptive Optics - *Richard Rosen, MD*

Subretinal Drusenoid Deposits: What They Are and What They Aren't - *Richard Spaide, MD*

Future OCT Technology - *Srinivas Sadda, MD*

### **9:30-10:15am** ADVANCES IN CHOROIDDAL DISEASES

**Moderator:** *William Mieler, MD*

**Chairman:** *M. Madison Slusher, MD*

Ocriplasmin for the Treatment of Symptomatic Vitreomacular Adhesions (sVMA):

Results from MIVI-TRUST Phase III Program - *K. Bailey Freund, MD*

Rare Diseases - *Jose Pulido, MD*

Macular Telangiectasia Type 2 - *Emily Chew, MD*

Central Serous Chorioretinopathy - *Lawrence Yannuzzi, MD*

### **10:15-11:45am** COFFEE & EXHIBITS

### **10:45-11:45am** DIABETIC RETINOPATHY: ADVANCES IN MEDICAL TREATMENT

**Moderator:** *Michael Cooney, MD, MBA*

**Chairman:** *Travis Meredith, MD*

Update on Ranibizumab for Diabetic Retinopathy - *Michael Cooney, MD, MBA*

Update on Aflibercept for Diabetic Retinopathy - *Diana Do, MD*

Drug Delivery Implants for Diabetic Retinopathy - *Dean Elliott, MD*

Management of Diabetes Mellitus 2012 - *Mary Vouyiouklis, MD*

Integrin Inhibition for the Treatment of Diabetic Macular Edema - *Baruch Kupperman, MD, PhD*

**PANEL DISCUSSION:  
MANAGEMENT OF DIABETIC RETINOPATHY 2012**

**Moderator:** *Michael Cooney, MD, MBA*

**Panelists:** *Carl Regillo, MD*  
*Gaetano Barile, MD*  
*Carol Lee, MD*

**11:45-12:15pm RETINAL VEIN OCCLUSION**

**Moderator:** *James Klancnik, Jr., MD*

**Chairman:** *Ingrid Kreissig, MD*

Update on Dexamethasone Implant for Retinal Vein Occlusion - *Julia Haller, MD*

Update on Bevacizumab and Ranibizumab for

Retinal Vein Occlusion - *James Klancnik, Jr., MD*

Aflibercept for Retinal Vein Occlusion - *David Brown, MD*

**12:15-12:45pm HONOREES**

**Introduction:** *Lawrence Yannuzzi, MD*

**TRAVIS A. MEREDITH, MD**

Introduced by *Lee Jampol, MD*

**M. MADISON SLUSHER, MD**

Introduced by *Kurt Gitter, MD*

**JOSEPH B. WALSH, MD**

Introduced by *Thomas Muldoon, MD*

**12:45-1:45pm LUNCH & EXHIBITS**

**1:45-2:45pm NON-EXUDATIVE AGE-RELATED  
MACULAR DEGENERATION**

**Moderator:** *Jason Slakter, MD*

**Chairman:** *Robert Murphy, MD*

Drusen Morphology, Composition, Imaging - *Christine Curcio, PhD*

Genetics in Dry AMD - *Gregory Hageman, MD*

AMD as an Inflammatory Disease - *Victor Perez, MD*

Neuroprotection - *Demetrios Vavvas, MD*

Therapeutics in Trials for Dry AMD: Status Update - *Philip Rosenfeld, MD, PhD*

**PANEL DISCUSSION: WHAT DO YOU RECOMMEND  
FOR YOUR PATIENTS TODAY - VITAMINS, DIET,  
SMOKING, GENETIC SCREENING, ETC?**

**Moderator:** *Jason Slakter, MD*

**Panelists:** *Lawrence Singerman, MD*  
*R. Theodore Smith, MD, PhD*  
*John Sorenson, MD*  
*Antonio Ciardella, MD*

**2:45-4:15pm**      **NEOVASCULAR AGE-RELATED  
MACULAR DEGENERATION**

**Moderator:** *K. Bailey Freund, MD*

**Chairman:** *Gisele Soubrane, MD*

The Harvard Angiogenesis Story - *Joan Miller, MD*

Ranibizumab/HARBOR Update - *Anthony Adamis, MD*

Aflibercept Update 1 - *Quan Dong Nguyen, MD*

Aflibercept Update 2 - *Jeffrey Heier, MD*

Adult Stem Cell Therapy for Atrophic AMD - *Allen Ho, MD*

Radiation Treatments for Neovascular AMD - *Pravin Dugel, MD*

**PANEL DISCUSSION:  
NEW MANAGEMENT PARADIGM  
FOR NEOVASCULAR AMD IN 2012**

**Moderator:** *K. Bailey Freund, MD*

**Panelists:** *Carl Regillo, MD*

*Jason Slakter, MD*

*David Sarraf, MD*

*Jeffrey Heier, MD*

**4:15-5:00pm**      **COFFEE & EXHIBITS**

**5:00-6:00pm**      **POSTERIOR UVEITIS**

**Moderator:** *Lawrence Yannuzzi, MD*

**Chairman:** *Douglas Jabs, MD*

Recognizing Ocular Syphilis - *Emmett Cunningham, Jr., MD*

AZOO - *Lee Jampol, MD*

Multifocal Choroiditis - *Douglas Jabs, MD*

Serpiginous - *Anita Agarwal, MD*

**PANEL DISCUSSION:  
POSTERIOR UVEITIS**

**Moderator:** *Lawrence Yannuzzi*

**Panelists:** *John Huang, MD*

*Quan Dong Nguyen, MD*

*C. Michael Samson, MD*

**6:00pm**      **MEETING ADJOURNMENT**

## **HOST**

Jack Dodick, MD  
New York University, School of Medicine

## **ORGANIZATIONAL/HOST COMMITTEE**

### **Columbia University, College of Physicians and Surgeons**

Gaetano Barile, MD  
Stanley Chang, MD  
Francis L'Esperance, MD  
William Schiff, MD  
Stephen Tsang, MD, PhD

### **LuEsther T. Mertz Retinal Research Center**

**Memorial Sloan Kettering Cancer Center**  
David Abramson, MD

**Mount Sinai School of Medicine**  
Douglas Jabs, MD

### **NSLIJ/LHH/Manhattan Eye, Ear and Hospital**

Yale Fisher, MD  
James Klancnik, Jr., MD  
Jeffrey Paccione, MD  
John Sorenson, MD  
Kenneth Wald, MD

### **New York Medical College, New York Eye and Ear Infirmary**

Richard Rosen, MD  
Joseph Walsh, MD  
Thomas Muldoon, MD

### **NYU Langone Medical Center**

Irene Barbazetto, MD  
Ronald Carr, MD  
Michael Cooney, MD, MBA  
Michael Engelbert, MD, PhD  
Carol Lee, MD

### **North Shore LIJ Health System**

David Fastenberg, MD  
Phillip Ferrone, MD  
Jeffrey Shakin, MD

### **UMDNJ/New Jersey Medical School**

Marco Zarbin, MD, PhD

## GUEST FACULTY

Gary Abrams, MD	James Klancnik, Jr., MD
David Abramson, MD	Ingrid Kreissig, MD
Anthony Adamis, MD	Baruch Kupperman, MD, PhD
Anita Agarwal, MD	Carol Lee, MD
Rando Allikmets, PhD	Brian Marr, MD
Carl Awl, MD	Irene Maumenee, MD
George William Aylward, MD	H. Richard McDonald, MD
Irene Barbazetto, MD	Travis Meredith, MD
Gaetano Barile, MD	William Mieler, MD
Alan Bird, MD	Joan Miller, MD
Mark Blumenkranz, MD	Anthony Moore, MD
David Brown, MD	Robert Murphy, MD
Alexander Brucker, MD	Quan Dong Nguyen, MD
Ronald Carr, MD	Victor Perez, MD
Richard Carvajal, MD	Grazia Pertile, MD
Stanley Chang, MD	Jose Pulido, MD
Emily Chew, MD	Carl Regillo, MD
Antonio Ciardella, MD	Richard Rosen, MD
Salomon Cohen, MD, PhD	Philip Rosenfeld, MD, PhD
D. Jackson Coleman, MD	Srinivas Sadda, MD
Michael Cooney, MD, MBA	C. Michael Samson, MD
Emmett Cunningham, Jr., MD	David Sarraf, MD
Christine Curcio, PhD	Hermann Schubert, MD
Donald D'Amico, MD	Gaurav Shah, MD
Lucian Del Priore, MD, PhD	Carol Shields, MD
Diana Do, MD	Jerry Shields, MD
Pravin Dugel, MD	Lawrence Singerman, MD
Dean Elliott, MD	Jason S. Slakter, MD
Philip Ferrone, MD	M. Madison Slusher, MD
Paul Finger, MD	R. Theodore Smith, MD, PhD
Yale Fisher, MD	John Sorenson, MD
Robert Flower, PhD	Gisele Soubrane, MD
Harry Flynn, Jr., MD	Richard Spaide, MD
K. Bailey Freund, MD	Mario Stirpe, MD
Morton Goldberg, MD	Peter Szurman, MD, PhD
Gregory Hageman, MD	William Tasman, MD
Julia Haller, MD	John Thompson, MD
Jeffrey Heier, MD	Stephen Tsang, MD, PhD
Allen Ho, MD	Veronika Vaclavik, MD
Graham Holder, MD	Demetrios Vavvas, MD
John Huang, MD	Mary Vouyiouklis, MD
Douglas Jabs, MD	Kenneth Wald, MD
Lee Jampol, MD	H. Matthew Wheatley, MD
Mark Johnson, MD	C. Pat Wilkinson, MD
Richard Kaiser, MD	Lawrence A. Yannuzzi, MD
Shalesh Kaushal, MD, PhD	Marco Zarbin, MD, PhD
Szilard Kiss, MD	

## **ACKNOWLEDGEMENTS**

LuEsther T. Mertz Retinal Research Center  
North Shore-LIJ Health System/Manhattan Eye Ear and Throat Hospital  
NYU Post-Graduate Medical School, Department of Ophthalmology  
The Macula Foundation, Inc.

**THIS COURSE IS SUPPORTED  
IN PART BY INDEPENDENT  
MEDICAL EDUCATION  
GRANTS FROM:**

Alcon Laboratories, Inc.  
Allergan, Inc.  
Genentech, Inc.  
QLT, Inc.  
Regeneron Pharmaceuticals, Inc.

## **COURSE DESCRIPTION**

Using a combination of didactic lectures and discussions, faculty members will present advances in diagnosis and treatment of macular diseases to fellow ophthalmologists. The course will discuss alternative concepts for “dry” and “wet” age-related macular degeneration, including a discussion on the basic science behind the disease, diabetic retinopathy, idiopathic perifoveal telangetasia, ocular tumors, as well as other vitreo-retina macular diseases. Information on new and experimental pharmacological therapies, as well as new imaging concepts, vitreoretinal surgical instrumentation and applications will also be presented.

At the completion of this course, participants will have a thorough understanding of the latest advances in the management of macular diseases. Participants will also have an increased knowledge of new imaging and diagnostic techniques available to the ophthalmic community, as well as the decision making process utilized by the course faculty in approaching these situations.

## **EDUCATIONAL OBJECTIVES**

- Discuss new imaging technology in the field of retina and macular diseases that allow for greater visualization for more accurate diagnosis and treatment planning.
- Assess and evaluate the latest developments in pharmacotherapeutic treatments for AMD and other macular diseases; and prescribe these agents in combination to better manage the disease process.
- Describe the latest advances in retinal surgery which utilize small incision and small instrumentation and result in less patient discomfort and faster recovery time.

## **TARGET AUDIENCE**

Our audience consists of ophthalmologists with an interest in the management of vitreous, retina and macular disease. New information is best disseminated through interactive lectures, discussions and question and answer sessions.

## **STATEMENT OF NEED**

The leading cause of legal blindness in the United States is macular disease, a term which includes age-related macular degeneration (AMD) and diabetic retinopathy. AMD afflicts approximately 5 million people and growing. Pharmacological treatment for AMD has become a billion dollar business and healthcare expenditures for ophthalmic procedures have skyrocketed.

In addition, with diabetes on the rise, millions of more people will need comprehensive eye care. As the U.S. population continues to age, it is important that ophthalmologists continue to be updated on the advances in cost effective treatment and management of vitreo-retina macular disease. Additionally, with new surgical modalities being developed, there is a need to discuss how to prevent complications and the options available to patients as well as to surgeons.

## ACCREDITATION STATEMENT

The NYU Post-Graduate Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

## CREDIT DESIGNATION STATEMENT

The NYU Post-Graduate Medical School designates this live activity for a maximum of 15 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## DISCLOSURE POLICY STATEMENT

The NYU Post-Graduate Medical School adheres to ACCME Essential Areas and policies, including the Standards for Commercial Support regarding industry support of continuing medical education. In order to resolve any identified Conflicts of Interest, disclosure information is provided during the planning process to ensure resolution of any identified conflicts. Disclosure of faculty and commercial relationships as well as the discussion of unlabeled or unapproved use of any drug, device or procedure by the faculty will be fully noted at the meeting.





**MACULA**2012  
ATLANTIC COAST RETINA CLUB