SAVE THE DATE
2018

41st Annual
Macula Society Meeting
The Beverly Hilton
Beverly Hills, California
February 21 – 24, 2018
The Macula Society
40th Annual Scientific Program

Shangri-La Hotel
SINGAPORE
June 7 - 10, 2017

The Macula Society
3401 Enterprise Parkway, Suite 310, Cleveland, Ohio 44122
(216) 839-4949 Fax: (216) 831-8221
Email: maculasociety@aol.com
Website: maculasociety.org
Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education through the joint providership of The Medical College of Wisconsin and Macula Society. The Medical College of Wisconsin is accredited by the ACCME to provide continuing medical education for physicians.

AMA Credit Designation Statement:
The Medical College of Wisconsin designates this Live Activity for a maximum of 17.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Hours of Participation for Allied Health Care Professionals
The Medical College of Wisconsin designates this activity for up to 17.5 hours of participation for continuing education for allied health professionals.
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Officers of The Macula Society
February 2016 – June 2017

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Lawrence J. Singerman, MD Executive Secretary
James C. Folk, MD President-Elect

H. Richard McDonald, MD Secretary
Joan W. Miller, MD Treasurer
M. Gilbert Grand, MD Immediate Past President

Committees of The Macula Society
2016 – 2017

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Young Member Representative
R.V. Paul Chan, MD, MSc, FACS
**Meeting Registration Desk**
Jurong/Tanglin Foyer

Wednesday, June 7, 2017
10:00 a.m. - 7:00 p.m.

Thursday, June 8, 2017
7:00 a.m. - 1:00 p.m.

Friday, June 9, 2017
6:30 a.m. - 1:00 p.m.

Saturday, June 10, 2017
7:00 a.m. - 1:00 p.m.

**Scientific Program**
(presentations in Jurong/Tanglin Ballroom)

**Case Conference**
Wednesday, June 7, 2017
2:30 p.m. - 4:20 p.m.

**General Sessions**
Wednesday, June 7, 2017
4:30 p.m. - 6:25 p.m.

Thursday, June 8, 2017
7:30 a.m. - 12:19 p.m.

Friday, June 9, 2017
7:50 a.m. - 12:42 p.m.

Saturday, June 10, 2017
7:30 a.m. - 12:21 p.m.

**New Member Reception**
New Members Meet and
Mingle with Executive Committee
Thursday, June 8, 2017
6:00 p.m. - 7:30 p.m.

**Social Program**
(Registered Attendees wearing badges ONLY Admitted)

**Welcome Dinner**
Wednesday, June 7, 2017
The Line at Shangri-La Hotel
7:00 p.m. - 10:00 p.m.

* Business Casual *

**Friday, June 9, 2017**
40th Annual Macula Society Gala

**Garden By The Bay**
Busses Departing from Hotel
6:00 p.m. - 6:30 p.m.

**Garden Tour and Cocktails**
6:30 p.m. - 7:30 p.m.

**Dinner**
7:30 p.m.

**Cocktail attire**
Busses Return to Hotel as needed
9:30 p.m. - 10:30 p.m.

**Speaker Ready Room**
VIP Holding Room

Wednesday, June 7, 2017
10:00 a.m. - 7:00 p.m.

Thursday, June 8, 2017
6:30 a.m. - 1:30 p.m.

Friday, June 9, 2017
6:30 a.m. - 1:30 p.m.

Saturday, June 10, 2017
6:30 a.m. - 1:00 p.m.

**Meetings**
Executive Committee Meeting
Wednesday, June 7, 2017
11:30 a.m. - 2:30 p.m.
Stateroom

Annual Business Meeting (Members Only)
Friday, June 9, 2017
7:00 a.m.
Jurong/Tanglin Ballroom

**New Member Reception**
New Members Meet and
Mingle with Executive Committee
Thursday, June 8, 2017
6:00 p.m. - 7:30 p.m.

**Location**: Pavilion

**Meetings**
Executive Committee Meeting
Wednesday, June 7, 2017
11:30 a.m. - 2:30 p.m.
Stateroom

Annual Business Meeting (Members Only)
Friday, June 9, 2017
7:00 a.m.
Jurong/Tanglin Ballroom

**Young Member Mentor Lecture**
(Lecture made possible with the support from Regeneron)

**All Macula Society members welcome**
Guest Lecturer: Tien Wong, MD

“International Collaborations: Lessons learned from leaders in Global Ophthalmology Research, Clinical Care and Advocacy”
Panelist: Emily Y. Chew, MD
Panelist: Joan W. Miller, MD, FARVO
Panelist: Lihteh Wu, MD

Friday, June 9, 2017
Complimentary Macula Society Sponsored
Buffet Lunch
12:45 p.m.
Lecture
1:30 p.m.

Location: Pavilion
2017 Awards

2017 International Travel Grant
The International Travel Grant for young and accomplished members. The purpose of this grant is to encourage international members to attend the Macula Society meeting in the US, and US members to attend the Macula Society meeting out of the US.

It will be our great pleasure and honor to award this years recipients:
Recipient: Jennifer K. Sun, MD
Recipient: Glenn Yiu, MD

The 2017 Paul Henkind Memorial Lecture and Award
Thursday, June 8, 2017 9:51 a.m.
“Re-engineering the Classification and Staging of Diabetic Retinopathy”
Recipient: Srinivas Sadda, MD
Presenter: Giovanni Staurenghi, MD

The 2017 Young Investigator Award and Lecture I
Thursday, June 8, 2017 11:58 a.m.
“Interesting Imaging Findings in the SAKURA, Anti-VEGF, and Jetrea Studies from an OCT Director”
Recipient: Peter K. Kaiser, MD
Presenter: William F. Mieler, MD

Presentation of 2017 J. Donald M. Gass Medal
Thursday, June 8, 2017 12:13 p.m.
Recipient: Richard F. Spaide, MD
Presenter: Alexander J. Brucker, MD

The 2017 Arnall Patz Medal
Friday, June 9, 2017 10:01 a.m.
Recipient: Neil M. Bressler, MD
Presenter: Lawrence J. Singerman, MD

The 2017 Young Investigator Award and Lecture II
Saturday, June 10, 2017 9:29 a.m.
“Multimodal imaging biomarkers in Polypoidal Choroidal Vasculopathy”
Recipient: Gemmy Chui Ming Cheung, MD
Presenter: Tien Y. Wong, MBBS, M.Med (Ophth), FRCSE, FRANZCO, PhD (Johns Hopkins), MD

Presentation of 2017 W. Richard Green Lecture and Award
Saturday, June 10, 2017 9:44 a.m.
“Retinal Metabolism in Aging and Disease”
Recipient: Rajendra S. Apte, MD, PhD
Presenter: Timothy W. Olsen, MD

The 2017 Evangelos S. Gragoudas Award
Saturday, June 10, 2017 11:16 a.m.
“The Burden of Myopic Choroidal Neovascularization in the United States: Analysis of the IRIS Registry”
Recipient: Jeffrey Ryuta Willis, MD
Presenter: Lawrence Sheldon Morse, MD, PhD
The Macula Society gratefully acknowledges the support of The Mills and Margaret Cox Macula Society Research Project sponsored by Retina Research Foundation from an RRF endowment established by the Cox Estate Alice R. McPherson, MD President Retina Research Foundation Houston, Texas
The Macula Society would like to thank
Larry Yannuzzi, MD
and the
Macula Foundation
for their continuing support of the
Paul Henkind Memorial Lecture
The Macula Society

wishes to thank the following companies for their support of the 2017 Annual Meeting
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Macula Society would like to thank

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2017 Macula Society Meeting
Moderators:  Mark W. Johnson, Helen K. Li

2:30 p.m.  Being too thin is not always a bad thing for choroid
Kyoko Ohno-Matsui

2:35 p.m.  A Relentless Case of Serpiginous Choroiditis
Rahul Khurana

2:40 p.m.  Bilateral Exudative Retinal Detachments due to Scleral Calcification
Michael Stewart, James Bolling

2:45 p.m.  Multiple PEDs in a healthy young male patient
Stephan Michels, Anne Jansen

2:50 p.m.  Best’s disease associated with bilateral anti-VEGF-responsive intra-retinal fluid
Itay Chowers, Radgonde Amer

2:55 p.m.  Orbital recurrence of a uveal melanoma 17 years following successful proton beam irradiation
Leonidas Zografos, Alexandre Moulin

3:00 p.m.  Unexpected complication of CSC
Salomon Cohen, Sylvia Nghiem-Buffet, Lise Dubois, Alain Gaudric

3:05 p.m.  AMN with transient intra- and sub-retinal fluid
Cagri Besirli, Thomas Wubben, Vaidebi Dedania

3:10 p.m.  An unusual case of macular edema
Helen Li

3:15 p.m.  Sudden Vision Loss in a Young Boy
R. Theodore Smith, Jorge Orellana-Rios

3:20 p.m.  Multifocal Chorioretinal Conundrum
Mark Johnson, Merina Thomas, Philip Lieu
Macula Society
2017 Case Conference
WEDNESDAY, JUNE 7, 2017
continued

Moderators: Jaclyn Kovach, H. Richard McDonald

3:30 p.m. Changes and progression of polyps in Polypoidal Choroidal Vasculopathy over a one-year treatment period
Colin Tan, Louis Lim

3:35 p.m. Two for the price of one
Thomas Wolfensberger

3:40 p.m. Persistent Placoid Maculopathy
Alexander Brucker, Anton Kolomeyer, Anastasia Traband

3:45 p.m. Intraocular mycosis fungoides
Jennifer Arnold, Alan Luckie

3:50 p.m. Masquerade ball
J. Fernando Arevalo

3:55 p.m. Progression of Retrograde Transsynaptic Retinal Degeneration
Stephen Schwartz, Harry Flynn

4:00 p.m. Florid Diabetic Retinopathy: Consensus Regarding Treatment in 2017?
Alan Cruess

4:05 p.m. Late Stage Sjogren-Larsson Syndrome Maculopathy
Jaclyn Kovach

4:10 p.m. Imaging of PAMM
Ayala Pollack, Eliska Bartov, Dov Weinberger, Akeel Masalha, Peter Hoffman

4:15 p.m. Presumed Inflammatory Globules Overlying Retinal Veins on the Inner Retinal Surface in an Eye with
Acute Retinal Necrosis Syndrome.
H. Richard McDonald, Brandon Lujan

4:20 p.m. Hemorrhagic Occlusive Retinal Vasculitis (HORV) in a Patient Not Exposed to Vancomycin
Paul Bernstein, Daniel Churgin, Eileen Hwang, James Bell
2017
Scientific Program

Wednesday through Saturday

June 7 – 10, 2017
Shangri-La Hotel, Singapore

Full paper presentation will be six minutes. Each paper presentation will be followed by a 3 minute discussion. Rapid fire papers will be four minutes with no discussion. Presentation duration of six minutes for a full paper and four minutes for a rapid fire paper will be strictly enforced to allow for timely flow of the meeting and for as many of the Society members to present at the podium.

The program committee would like to thank all the members for your cooperation.
Moderators: Brandon Lujan, Tamer Mahmoud

Rapid Fire Papers

4:30 p.m. OCT angiography features of macular lamellar holes.  
Constantin Pournaras, Co-author: Irini Brazitikos

4:34 p.m. En Face OCT Concentric Rings in Vitreomacular Interface Disease  
Brandon Lujan, Co-authors: Robert Johnson, H. Richard McDonald

4:38 p.m. The Preoperative Vision is the Main Factor Influencing the Postoperative Vision for any Form of Myopic Foveoschisis  
Ramin Tadayoni, Co-authors: Mathieu Lehmann, Alain Gaudric, François Devin

4:42 p.m. Ocular Complications of Stickler Syndrome Associated with Known and Novel COL2A1 Mutations  
Cagri Besirli, Co-authors: Thomas Wubben, Brenda Bobnsack

4:46 p.m. Refractory macular hole repaired by retinal graft and auto-blood clot  
Chi-Chun Lai, Co-authors: Nan-Kai Wang, Wei-Chi Wu, Ling Yeung, Lan-Hsin Chuang

Paper with Discussion

4:50 p.m. Anatomical Closure of Large Chronic Refractory Macular Holes with Autologous Retinal Transplant  
Tamer Mahmoud

Rapid Fire Paper

4:59 p.m. Pneumatic Vitreolysis in Cases of Symptomatic Vitreomacular Traction With or Without Macular Holes  
Jorge Arroyo

Paper with Discussion

5:03 p.m. Pneumatic Vitreolysis for Managing Symptomatic Vitreomacular Traction  
Clement Chan, Co-author: Calvin Mein
SESSION II
Neovascular AMD I

Moderators: David Boyer, Francisco Rodriguez

Rapid Fire Papers

5:12 p.m. Incidence and Risk Factors of Massive Subretinal Hemorrhage in Retinal Angiomaticus Proliferation
Won Ki Lee

5:16 p.m. Comparative Analyses of Choroidal Structures After Photodynamic Therapy and Intravitreal Aflibercept Injections for Polypoidal Choroidal Vasculopathy
Hideki Koizumi, Co-author: Tomohiro Iida

5:20 p.m. Choroidal Thickness as a Predictor of Geographic Atrophy After Intravitreal Antiangiogenic Therapy for Neovascular Age Related Macular Degeneration
Francisco Rodriguez, Co-author: Kelly Montes

5:24 p.m. Optimizing the Safety and Efficiency of the Ranibizumab Prefilled Syringe (PFS)
Michael Singer, Co-authors: Joanna So, Lisa Tiomi, Carlos Quezada Ruiz

5:28 p.m. PCV is a distinct disease? Not a CNV-AMD? A OCTA study
Xiao Li

Papers with Discussions

5:32 p.m. OCTA findings of polypoidal lesion of PCV
Oh Kwon, Co-author: San Seong

5:41 p.m. Limitations of OCT-Angiography in AMD with Vascularized PED
Salomon Cohen, Co-authors: Sandrine Tabary, Sarah Mrejen-Uretskey

Rapid Fire Papers

5:50 p.m. Aflibercept After Ranibizumab Intravitreal injections in Exudative Age Related Macular Degeneration: The ARI2 Study
Eric Souied, Co-authors: Alexandra Mouallem, Giuseppe Querques, Camille Jung, Rocio Blanco-Garavito

5:54 p.m. Real-World Treatment Patterns in Injection Frequency and Cost of Ranibizumab and Aflibercept for Treatment-Naïve Diabetic Macular Edema and Neovascular Age-Related Macular Degeneration Patients in the United States
Szilard Kiss, Co-authors: Helen Varker, Kathleen Wilson, David Smith, Elisabetta Malangone-Monaco, Yamina Rajput

Papers with Discussions

5:58 p.m. Twelve-Month Outcomes of Ranibizumab versus Aflibercept for Neovascular Age-Related Macular Degeneration. Data from an Observational Study.
Mark Gillies, Co-authors: Daniel Bartelmues, Jennifer Arnold

6:07 p.m. Clinical Value of Prior Response to anti-VEGF Treatment and the Implications for AMD Dosing: A HARBOR Study Sub-Analysis
Rahul Khurana, Co-authors: Louis Chang, Lauren Hill, Avanti Ghanekar, Ivaylo Stoilov

6:16 p.m. Outcomes in Subgroups of Neovascular AMD Patients Receiving Injections at 12-Week or 12 Week Intervals in the Second Year of VIEW Studies
David Boyer

6:25 p.m. Adjourn

7:00 p.m. Reception
THURSDAY, JUNE 8, 2017

SESSION III
Dry AMD

Moderators: Deeba Husain, Joan Miller

Rapid Fire Papers with Discussions

7:30 a.m. Is NLRP3 Localized in RPE cells? Implications for AMD Research. Deemios Vavvas, Co-authors: Cassandra Kosmidou, Shoji Notomi, Evangelos Gragoudas, Timothy Olsen, Joan Miller

7:39 a.m. Metabolomics in Age-related Macular Degeneration Deeba Husain, Co-authors: Ines Lains, Rachel Kelly, John Miller, Demetrios Vavvas, Ivana Kim, Joan Miller

7:48 a.m. Understanding the Natural History of Geographic Atrophy Secondary to Age-Related Macular Degeneration: Baseline Data from Proxima A Nancy Holekamp, Co-authors: Jordi Monés, Giovanni Staurenghi, Fan Tang, Barbara Tong, Ronald Cantrell, Christopher Brittain, Jason Ehrlich, Hugh Lin, Charles Wykoff

7:57 a.m. Swept-Source Optical Coherence Tomography Angiographic Prevalence and Natural History of Subclinical Neovascularization in Intermediate and Late Non-Exudative Age-Related Macular Degeneration Philip Rosenfeld, Co-authors: Joao Rafael de Oliveira Dias, Qinlin Zhang, Luiz Roisman, Fang Zheng, Chieh-Li Chen, Sophie Kubach, Mary Durbin, William Feuer, Ricky Wang, Giovanni Gregori

8:06 a.m. The Role of Reduced Phagocytosis in the Pathogenesis of Age-related Macular Degeneration (AMD). Robyn Guymer, Co-authors: Ben Gu, Erica Fletcher

8:15 a.m. Structural Changes Associated with Delayed Dark Adaptation in AMD Joan Miller, Co-authors: Inês Lains, John Miller, Dong Ho Park, Edem Tzikata, Samaneh Davoudi, Safa Rabmani, Rufino Silva, Teresa Chen, Ivana Kim, Demetrios Vavvas, Deeba Husain

8:24 a.m. Lesion Shape as a Risk Factor for Progression of Geographic Atrophy Secondary to Age-Related Macular Degeneration Frank Holz, Co-authors: Maximilian Pfau, Monika Fleckenstein, Moritz Lindner, Lukas Goerdts, Srinivas Sadda, Matthias Schmid, Christopher Brittain, Erin Henry, Daniela Ferrara, Steffen Schmitz-Valckenberg

8:33 a.m. Disease Expression in Non-Exudative Age-Related Macular Degeneration Varies with Choroidal Thickness Richard Spaide
SESSION IV
Imaging

Moderators: Richard Rosen, Ursula Schmidt-Erfurth

Rapid Fire Papers

8:42 a.m. Novel MRI Pipeline Demonstrates Gaze-Induced Eye Shape Changes and Focal Areas of Weakness in Highly Myopic Eyes
Quan Hoang, Co-authors: Edmund Wong, K. Bailey Freund, Lawrence Yannuzzi, Stanley Chang, Jack Grinband

8:46 a.m. Multimodal Retinal Imaging in Dementia
Tunde Peto, Co-authors: Imre Lengyel, Lajos Csincsik

8:50 a.m. Relationship of Choroidal Volume with Visual Acuity and Individual Retinal Layer Volume
Yasuo Yanagi, Co-authors: Duc Quang Nguyen, Wanting Zhao, Preeti Gupta, Ranjana Mathur, Ching-Yu Cheng, Tien Yin Wong

8:54 a.m. Coronary Artery Disease and the Choroid
R Theodore Smith, Co-authors: Meleha Ahmad, Patrick Kaszubski, Anna Tan

8:58 a.m. Detection of the radiation maculopathy using the optical coherence tomography angiography
Florence Coscas, Co-authors: Alexandre Sellam, Livia Lambroso Le Roux, Rémi Dendale, Catherine Francais, Marco Lupidi, Gabriel Coscas, Nathalie Cassoux

9:02 a.m. High-Resolution Imaging of Retinal Structures Using Adaptive Optics
Judy Kim, Co-authors: Joseph Carroll, David Weinberg

Papers with Discussions

9:06 a.m. How Deep is Your Pain? Normative Assessment of OCT Angiographic Microvascular Perfusion Deficits
Richard Rosen, Co-authors: Brian Krawitz, Shelley Mo, Joseph Walsh, Joseph Carroll, Richard Weitz, Toco Chui

9:15 a.m. Longitudinal Follow-up and Computational Fluid Dynamics Modeling of Diabetic Microaneurysms Using Adaptive Optics Scanning Laser Ophthalmoscopy
Jennifer Sun, Co-authors: Yang Lu, Omar Abu-Qamar, Miguel Bernabeu, Lloyd Aiello

9:24 a.m. Color fundus autofluorescence imaging
Giovanni Staurenghi, Co-authors: Paolo Lanzetta, Mariano Cozzi, Valentina Sarao, SriniVas Sadda

9:33 a.m. Deep learning in the management of age-related macular degeneration
Ursula Schmidt-Erfurth, Co-authors: Sebastian Waldstein, Hrvoje Bogunovic, Ferdinand Schlanitz, Georg Langs

9:42 a.m. Microcystic macular changes in association with epiretinal membranes and glaucomatous optic neuropathy: clinical and surgical insights
Jean-Pierre Hubschman, Co-authors: Andrea Gavetto, Daniel Su, Gianni Virgili

Presentation of Paul Henkind Memorial Lecture and Award
“Re-engineering the Classification and Staging of Diabetic Retinopathy”

9:51 a.m. Introduction and Presentation of the Award - Giovanni Staurenghi, MD

9:54 a.m. Paul Henkind Memorial Lecture and Award - SriniVas Sadda, MD

10:09 a.m. Break
**SESSION V**

**Vein Occlusion/Uveitis**

**Moderators:** Janet Davis, Michael Ip

**Rapid Fire Papers**

10:39 a.m. Persistent Metamorphopsia Associated with Branch Retinal Vein Occlusion

*Akita Tsujikawa*

**Papers with Discussions**

10:43 a.m. Branch and Central Retinal Vein Occlusion with and without Ischemia: Insights Learned from Five Large Ranibizumab Clinical Trials

*Quan Nguyen, Co-authors: Pin-Wen Wang, Tatiana Ecoiffer, Carlos Quezada Ruiz*

10:52 a.m. SCORE2 Study. Six Month Outcomes of a Randomized, Non-Inferiority Trial

*Michael Ip, Co-authors: Ingrid Scott, Barbara Blodi*

11:01 a.m. Durability of Suprachoroidal Triamcinolone Acetonide in Combination with Aflibercept in the Management of Retinal Vein Occlusion: 9-Month Analysis of the TANZANITE Phase 2 Trial and Extension Study

*Charles Wykoff*

**Rapid Fire Papers**

11:10 a.m. Early Post-Treatment Choroidal Thickness to Alert Sunset Glow Fundus in Vogt-Koyanagi-Harada Disease

*Susumu Isbida*

11:14 a.m. Choroidal Thinning in Birdshot Chorioretinopathy

*Janet Davis, Co-authors: William Feuer, Yong-Shen Yang, Steven Saraf*

11:18 a.m. Macular Surgery in Severe Posterior Uveitis

*Shree Kurup*

**Papers with Discussions**

11:22 a.m. Ophthalmic Manifestations of Congenital Zika Syndrome in Colombia and Venezuela

*J. Fernando Arevalo*

11:31 a.m. Acute Pseudophakic Cystoid Macular Edema Imaged by Optical Coherence Tomography Angiography

*Alain Gaudric, Co-authors: Sophie Bonnin, Aude Couturier, Lise Dubois, Ramin Tadayoni*

11:40 a.m. Suprachoroidal Administration of TriamCinolone Acetonide: Results of a Phase 2 study of Patients with Non-Infectious Uveitis

*Steven Yeh, Co-authors: Shree Kurup, Robert Wang, Glenn Noronha, Jennifer Kissner*

11:49 p.m. Neuroretinal and Outer Retinal Contributions to Visual Loss in Ocular Inflammatory Disease

*James Folk, Co-authors: James Pearis, Zhibui Guo, Brice Critser, Michael Abramoff*

**Presentation of Young Investigator Lecture and Award I**

“Interesting Imaging Findings in the SAKURA, Anti-VEGF, and Jetrea Studies from an OCT Director”

11:58 a.m. Introduction and Presentation of the Award – William F. Mieler, MD

12:01 p.m. Award Recipient and Lecture – Peter K. Kaiser, MD
The J. Donald M. Gass Medal

12:13 p.m. Introduction and Presentation of the Award – Alexander J. Brucker, MD
12:16 p.m. Award Recipient – Richard F. Spaide, MD
12:19 p.m. Adjourn

FRIDAY, JUNE 9, 2017

Business Meeting

SESSION VI
Other Macular Diseases

Moderator: Paul Bernstein, Timothy Lai

Rapid Fire Papers

7:50 a.m. Dilatation of Asymmetric Vortex Vein in Central Serous Chorioretinopathy
Shoji Kishi, Co-author: Hideo Akiyama

7:54 a.m. Choroidal Vascularity Changes in Idiopathic Central Serous Chorioretinopathy After Half-fluence Photodynamic Therapy
Hyeong Gon Yu, Co-author: Un Chul Park

Papers with Discussions

7:58 a.m. Peripheral Vascular Endothelial Dysfunction in Central Serous Chorioretinopathy
Nan-Kai Wang, Co-authors: Kuan-Jen Chen, Chi-Chun Lai, Wei-Chi Wu

8:04 a.m. Predictive Biomarkers of Treatment Outcomes by Multimodal Retinal Imaging in Patients Affected by Central Serous Chorioretinopathy
Francesco Bandello, Co-authors: Riccardo Sacconi, Giovanni Baldin, Adriano Carnevali, Lea Querques, Alessandro Rabiolo, Giuseppe Querques

8:10 a.m. Discussion of Previous 2 Papers

8:14 a.m. The Expanded Spectrum of Perifoveal Exudative Vascular Anomalous Complex
Giuseppe Querques, Co-authors: Riccardo Sacconi, Lawrence Yannuzzi, K. Bailey Freund, Rosa Dolz-Marcos, Eric Souied, Vittorio Capuano, Ouhy Semoun, Nopasak Phasukkijwattana, David Sarraf, Francesco Bandello

8:23 a.m. Maculopathy in Patients with Monoclonal Ga.mopathy of Undetermined Significance
Mark Johnson, Co-authors: Stephen Smith, Michael Ober

8:32 a.m. The SAKURA Program.: Corticosteroid Tapering Success With Every-Other-Month Intravitreal Sirolimus for Non-infectious Uveitis of the Posterior Segment
Brian Joondeph

8:41 a.m. Efficacy and Safety of Ranibizumab Versus Verteporfin Photodynamic Therapy in Asian Patients with Myopic Choroidal Neovascularization: 12-month results from BRILLIANCE
Timothy Lai, Co-authors: Youxin Chen, Arthur Foo, Renxin Lin, Anna Egger

8:50 a.m. Genetics of Macular Telangiectasia Type 2 (MacTel)
Paul Bernstein, Cecinio Ronquillo

8:59 a.m. Visual Function Biomarkers in Early-Intermediate Dry A.M.D for Use as Clinical Trial Endpoints
Eleonora Lad, Co-authors: Sandra Stinnett, Lejla Vajzovic, Scott Cousins, Cynthia Totb
SESSION VII
Diabetic Retinopathy I

**Moderators:** Lloyd Aiello, Barbara Blodi

**Rapid Fire Papers with Discussions**

9:08 a.m. Factors Associated with Worsening Proliferative Diabetic Retinopathy in Eyes Treated with Panretinal Photocoagulation or Ranibizumab

*Susan Bressler*

9:17 a.m. Improvement or Worsening of Diabetic Retinopathy through 2 Years in a Randomized Clinical Trial Comparing Aflibercept, Bevacizumab, and Ranibizumab for Diabetic Macular Edema

*Barbara Blodi*

9:23 a.m. Persistent Macular Thickening Following Intravitreous Aflibercept, Bevacizumab, or Ranibizumab for Center-Involved DME with Vision Impairment

*Neil Bressler*

9:29 a.m. **Discussion of Previous 2 Papers**

9:34 a.m. Improvement in inner retinal disorganization in patients with DME treated with ranibizumab

*Usba Chakravarthy, Co-authors: Tunde Peto, Ian Pearce, James Warburton*

9:43 a.m. Trends and Factors Associated with Diabetic Retinopathy Self-Awareness and Timeliness of Diabetic Eye Care over 6 Years

*Lloyd Aiello, Co-authors: Jerry Cavallerano, Jennifer Sun*

9:52 a.m. Detecting Sight Threatening Diabetic Retinopathy in the 21st Century – Lessons from 20 Years of Screening in Liverpool

*Simon Harding, Co-authors: Amu Wang, Christopher Cheyne, Deborah Broadbent, Marta Garcia Finana, Ayesha Alsukri, Irene Stratton*

**Presentation of the Arnall Patz Medal**

10:01 a.m. Introduction and Presentation of the Award – Lawrence J. Singerman, MD

10:04 a.m. Award Recipient – Neil M. Bressler, MD

10:07 a.m. Break
SESSION VIII
Diabetic Retinopathy II

Moderators: Lawrence Morse, Seung-Young Yu

Rapid Fire Papers

10:30 a.m. Correlation of Hyperreflective Foci with Visual Outcomes in Diabetic Macular Edema
Hyung Chan Kim

10:34 a.m. Predictability of IOP Response in Patients Receiving Prior Steroid and Subsequent Administration of the 0.2 ug/day Fluocinolone Acetonide Intravitreal Implant
Seenu Hariprasad, Co-author: Clare Bailey

10:38 a.m. The Functional Burden of Diabetic Retinopathy (DR) in the United States – How Ranibizumab (RBZ) May Shift Treatment Paradigms
Lawrence Morse, Co-authors: Jeffrey Willis, Pradeep Ramulu, Ivaylo Stoilov, Zdenka Haskova, Quan Doan, Michelle Gleeson, Ronald Cantrell

Papers with Discussions

10:42 a.m. Skewness of Randomity in Microaneurysm Distribution is Related to Vitreoretinal Traction in Diabetic Retinopathy
Tongalp Tezel

10:51 a.m. Retinal neurodegeneration and foveal avascular zone in diabetic eyes
Seung-Young Yu, Co-author: Eung Suk Kim

11:00 a.m. Visual and Anatomical Outcome of the Diabetic Macular Edema Treated with Ranibizumab Following Bevacizumab Failure in Israel (DERBI) study
Itay Chowers, Co-authors: Rita Ehrlich, Russell Pokroy, Ori Segal, Michaella Goldstein, Ayala Pollack, Yoreb Barak, Rinat Kebat, Orit Vidne, Joel Hambart, Wissam Abu Ahmad, Shiri Shulman

11:06 a.m. Long-term Visual Acuity Response in Early Non-responders treated with 0.2ug/day Fluocinolone Acetonide Implants in FA.M.E. Study
Daniel Roth, Co-author: Ken Green

11:12 a.m. Discussion of Previous 2 Papers
SESSION IX
International Symposium

**Moderators:** Gabriel Coscas, Judy Kim

**Rapid Fire Papers**

11:17 a.m. Novel Ultra-Wide-Field OCT Method to Advance the Visualization of Posterior Staphyloma in Pathologic Mopia
   *Kyoko Ohno-Matsui, Co-author: Kosei Shinobara*

11:26 a.m. Acute CSCR: Risks factors for longer episode duration and recurrence
   *Francine Bebar-Cohen, Co-authors: Alexandre Matet, Alejandra Daruich, Marta Zola*

11:35 a.m. Activity Criteria Of Choroidal Neovascularization (CNV) In Age-related Macular Degeneration (AMD): OCT-Angiography Evaluation During Follow-up
   *Gabriel Coscas, Co-authors: Marco Lupidi, Florence Coscas*

11:44 a.m. Longitudinal Follow-up of Tubercular Serpiginous-like Choroiditis using Optical Coherence Tomography Angiography
   *Vishali Gupta, Co-author: Aniruddha Agarwal*

11:53 a.m. "To dry or not too dry": The FLUID study – rationale, protocol and baseline characteristics
   *Jennifer Arnold, Co-author: Robyn Guymer*

12:02 p.m. Update on Mosquito Associated Retinopathy
   *Libhte Wu, Co-authors: Francisco Rodriguez, Mauricio Maia*

SESSION X
Pediatric Retina

**Moderators:** Steven Schwartz, Cynthia Toth

**Rapid Fire Paper**

12:11 p.m. SD-OCT Characteristics of Foveal Dragging in ROP
   *Stephen Schwartz, Co-authors: Victor Villegas, Audina Berrocal, Timothy Murray, Harry Flynn*

**Papers with Discussions**

12:15 p.m. Subfoveal nodule in Coats disease: towards an updated classification predicting visual prognosis
   *Francis Munier, Co-authors: Alejandra Daruich, Alexandre Matet, Viet Tran, Veronika Vaclavik, Alexandre Moulin*

12:24 p.m. Novel Imaging to Study Retinal Abnormalities and the Eye-brain Connection in Infants and Children
   *Cynthia Toth, Co-authors: Lejla Vajzovic, Christian Viebland, Francesco LaRocca, Sharon Fekrat, Joseph Izatt*

12:33 p.m. Inner Retinal Structures of Eyes in Children with History of Retinopathy of Prematurity
   *Wei-Chi Wu, Co-author: Wen-Chuan Wu*

12:42 p.m. Adjourn
SATURDAY, JUNE 10, 2017

SESSION XI
Tumors/Inherited Retinal Disorders

Moderators: Ivana Kim, Mark Pennesi

Rapid Fire Papers with Discussions

7:30 a.m. OCTA-guided anti-VEGF treatment of irradiation induced maculopathy
Leonidas Zografos, Co-authors: Alejandra Daruich, Alexandre Matet, Ann Schalenbourg

7:36 a.m. Long-Term Follow-Up of a 24-Month Study of Ranibizumab for the Prevention of Radiation Vasculopathy
Ivana Kim, Co-authors: Anne Marie Lane, Monica Oxenreiter, Evangelos Gragoudas

7:42 a.m. Discussion of Previous 2 Papers

7:46 a.m. Management of Suspicious Melanocytic Lesions of the Iris
Evangelos Gragoudas, Co-authors: Anne Marie Lane, Monica Oxenreiter, Ivana Kim

7:55 a.m. Phosphenes in irradiated patients and astronauts
Martine Mauget-Fajisse, Co-authors: Thibaud Matbis, Laurent Kodjikian, Juliette Thariat

Rapid Fire Paper

8:04 a.m. Optical Coherence Tomography Angiography in Best Vitelliform Macular Dystrophy
Maurizio Battaglia Parodi, Co-authors: Alessandro Rabiolo, Maria Vittoria Cicinelli, Alessandro Arrigo, Pierluigi Iacono, Francesco Bandello

Papers with Discussions

8:08 a.m. AAV2-hCHM Subretinal Delivery to the Macula in Choroideremia: Preliminary Six Month Safety Results of an Ongoing Phase I/II Gene Therapy Trial
Tomas Aleman, Co-authors: Leona Serrano, Grace Han, Denise Pearson, Sarab McCague, Kathleen Marshall, Emily Liu, Daniel Chung, Jessica Morgan, Jean Bennett, Albert Maguire

8:17 a.m. Preliminary Intravitreal Gene Therapy Safety Results for X-Linked Retinoschisis
Mark Pennesi, Co-authors: Maria Parker, Paul Yang, David Birch, Jason Comander, Anthony Moore, Rabia Ozden

8:26 a.m. Peculiar, Bilateral, Small Vitelliform Lesions in Patients of African Descent
H. Richard McDonald, Co-authors: Sandeep Ramdhana, Anita Agarwal, Mark Johnson

SESSION XII
Basic Science

Moderators: Jennifer Kang-Mieler, Timothy W. Olsen

Rapid Fire Papers with Discussions

8:35 a.m. Tamoxifen Provides Structural and Functional Rescue in Mouse Models of Photoreceptor Degeneration
Wai Wong

8:44 a.m. Gene Editing to Suppress Ocular Angiogenesis by CRISPR-mediated Disruption of VEGF-A
Glenn Yiu
8:53 a.m. A Pharmacodynamic Analysis of Choroidal Neovascularization in a Porcine Model
Timothy Olsen, Co-authors: Caroline Craven, Kathy Wabner, Jennifer Schmit, Brock Matter, Hans Grossniklaus, Uday Kompella

9:02 a.m. Process of myopia and Bruch’s membrane as a biomechanically supporting structure
Jost Jonas, Co-authors: Kyoko Obno-Matsui, Songbomitra Panda-Jonas

9:11 a.m. Evaluation of Aflibercept-loaded Microsphere-hydrogel Drug Delivery System in Nonhuman Primate Model
Jennifer Kang-Mieler, Co-authors: Soobyun Kim, Wenqiang Liu, Glenn Yiu, William F Mieler, Sara Thomasy

9:20 a.m. An In Vitro Model of Proliferative Vitreoretinopathy from Patient-derived Membranes
Leo Kim, Co-authors: Arturo Machuca-Parra, Dhanesh Amarnani, Dean Elliott, Joseph Arboleda-Velasquez

Presentation of Young Investigator Lecture and Award II
“Multimodal Imaging Biomarkers in Polypoidal Choroidal Vasculopathy”

9:29 a.m. Introduction and Presentation of the Award – Tien Y. Wong, MBBS, M.Med (Ophth), FRCSE, FRANZCO, PhD, MD

9:32 a.m. Award Recipient and Lecture – Gemmy Chui Ming Cheung, MD

Presentation of W. Richard Green Lecture and Award
“Retinal Metabolism in Aging and Disease”

9:44 a.m. Introduction and Presentation of the Award – Timothy W. Olsen, MD

9:47 a.m. W. Richard Green Lecture and Award – Rajendra S. Apte, MD, PhD

10:06 a.m. Break

SESSION XIII
Neovascular AMD II

Moderators: Glenn Jaffe, Tien Wong

Rapid Fire Paper
10:36 a.m. Polyp Progression and Resolution over 12 months among a Cohort of Patients with Polypoidal Choroidal Vasculopathy
Colin Tan, Co-authors: Louis Lim, Tock Han Lim

Papers with Discussions
10:40 a.m. Macular Morphology and Visual Acuity during Five Years of the Comparison of Age-related Macular Degeneration Treatments Trials (CATT)
Glenn Jaffe, Co-authors: Gui-shuang Ying, Maureen Maguire, Cynthia Toth, Ebenezer Daniel, Juan Grunwald, Daniel Martin

10:49 a.m. A Prospective Multicenter Study on Genome-Wide Associations of Ranibizumab Treatment Outcome with Age-Related Macular Degeneration in Japanese
Kenji Yamashiro

10:58 a.m. HDL-Cholesterol as Causal Risk Factor for Age-Related Macular Degeneration
Tien Wong, Co-authors: Qiao Fan, Joseph C. Maramville, Caroline Chee, Runz Heiko, Ching-Yu Cheng
Intravitreal Rinucumab+Afibrilcept in Neovascular Age-Related Macular Degeneration (nA.M.D): The CAPELLA Study

David Brown

Presentation of Evangelos S. Gragoudas Award and Lecture

“The Burden of Myopic Choroidal Neovascularization in the United States: Analysis of the IRIS Registry”

Introduction and Presentation of the Award – Lawrence Sheldon Morse, MD, PhD

Award Recipient and Lecture – Jeffrey Ryuta Willis, MD

SESSION XIV
Vitreoretinal Surgery

Moderator: Anat Loewenstein, Ayala Pollack

Rapid Fire Papers

11:23 a.m. Pars Plana Vitrectomy with Intraocular Gas Injection Associated with Opacified Hydrophilic Intraocular Lenses
Ayala Pollack, Co-authors: Mor Bareket, Amir Bukelman, Eva Eting, Ifat Kaplan-Ashiri, Arie Marcovich

Papers with Discussion

11:27 a.m. A New Dye Based on Anthocyanins from Açai Fruit (Euterpe oleracea) for Chromovitrectomy in Human Eyes: Preliminary Results for a Phase I Trial
Mauricio Maia, Co-authors: André Maia, João Palma

11:36 a.m. Augmented Reality Video Microscope (ARVM) for Retina Surgery as a Replacement of Operational Microscopes
Anat Loewenstein, Co-authors: Amir Manor, Adiel Barak

11:45 a.m. Biometric stability after scleral buckling surgery
Shu Yen Lee, Co-author: Doric Wong

11:54 a.m. Clinical and Anatomic Outcomes of Concurrent Phacovitrectomy Surgery for a Variety of Indications
William F. Mieler, Co-authors: Izy Zhu, Elmer Tu

12:03 p.m. Modified Vitreous Surgery for L.m.ellar Macular Hole
Fumio Shiraga, Co-author: Yuki Morizane

12:12 p.m. Automated Remote Intravitreal Injection
Stephan Michels, Co-authors: Bradley Nelson, Matthias Becker, Franziska Ullrich, Anne Jansen

12:20 p.m. Closing Remarks

12:21 p.m. Adjourn
The 2017 Paul Henkind Memorial Lecture and Award

SriniVas Sadda, MD
Presented by Giovanni Staurenghi, MD
Thursday, June 8, 2017 – 9:51 a.m.

The Paul Henkind Memorial Lecture and Award is presented to an individual for outstanding retinal research

John Marshall, MD, 1987
Morton F. Goldberg, MD, 1988
Arnall Patz, MD, 1989
Lloyd M. Aiello, MD, 1990
Alan Bird, MD, 1991
Jerry A. Shields, MD, 1992
Lawrence A. Yannuzzi, MD, 1993
Howard Schatz, MD, 1994
J. Donald M. Gass, MD, 1995
Mark O. M. Tso, MD, 1996
Lee M. Jampol, MD, 1997
Jose Cunha-Vaz, MD, PhD, 1998
Curtis Meinert, PhD, 1999
Gerald A. Fishman, MD, 2000
Thomas M. Aaberg, Sr., MD, 2001
Frederick L. Ferris III, MD, 2002
Gerard Lutty, PhD, 2003
Gholam Peyman, MD, 2004
Robert N. Frank, MD, 2005
Peter Hamilton, MD, 2006
Paul Sternberg, MD, 2007
Lloyd P. Aiello, MD, PhD, 2009
Anthony P. Adams, MD, 2010
Joan W. Miller, 2011
Usha Chakravarthy, MD, 2012
Richard F. Spaide, MD, 2013
J. William Harbour, MD, 2014
Alain Gaudric, MD, 2015
Mary Elizabeth Hartnett, MD, 2016

SriniVas R. Sadda, MD, is the President and Chief Scientific Officer of the Doheny Eye Institute, the Stephen J. Ryan – Arnold and Mabel Beckman Endowed Chair, and Professor of Ophthalmology at the University of California – Los Angeles (UCLA), David Geffen School of Medicine. He received his medical degree from The Johns Hopkins University in Baltimore, Maryland. After an internship at the William Beaumont Hospital in Royal Oak, Michigan, he returned to Johns Hopkins University and the Wilmer Eye Institute in Baltimore for an ophthalmology residency as well as neuro-ophthalmology and medical retina fellowships.

Dr Sadda’s major research interests include automated retinal image analysis, retinal substructure assessment, advanced retinal imaging technologies, and vision restoration approaches. His research has been consistently funded by the National Institutes of Health (NIH) and multiple private organizations including the Foundation Fighting Blindness, Research to Prevent Blindness, Foundation for Retinal Research, and the Macula Vision Research Foundation. He has organized multiple consensus efforts for the classification of various retinal disorders. Dr. Sadda has served as Principal Investigator for over 30 major clinical trials, and has led several international collaborative research programs. He is the founder and Emeritus Director of the Doheny Image Reading Center, one of the largest centralized reading centers in the world. He has more than 340 publications in peer-reviewed journals and over 300 published abstracts. He authored the first edition of the textbook Emerging Technologies in Retinal Disease, as well as 14 other book chapters. As an invited lecturer, he has given more than 350 presentations around the country and the world, including multiple named lectures. Dr. Sadda also serves as an editorial board member of Ophthalmic Surgery, Lasers & Imaging, Retina, Graefe’s Archive for Clinical and Experimental Ophthalmology, Ophthalmology Retina, and Ophthalmology. He is also an editor of the 5th edition of the Ryan’s Retina textbook. He regularly serves the NIH Center for Scientific Review on study section.

Among Dr. Sadda’s awards and honors are a Research to Prevent Blindness Physician-Scientist Award, a Senior Honor Award from the American Society of Retina Specialists, a Senior Achievement Award and Secretariat Award from the American Academy of Ophthalmology, John H. Zumberge Research and Innovation Award, and the Macula Society Young Investigator Award. He has also received the Silver Fellow designation from the Association for Research in Vision and Ophthalmology. He has been named to the Best Doctors of America list for several consecutive years.
The 2017 Macula Society
Young Investigator Award and Lecture I
(previously the Richard and Hinda Rosenthal Award)

Peter K. Kaiser, MD
Presented by William F. Mieler, MD
Thursday, June 8, 2017 – 11:58 a.m.

To that individual or group of individuals under 50 years of age whose work gives promise of notable advance in the clinical treatment of disorders of the eye

Peter K. Kaiser, MD graduated magna cum laude with Highest Honors from Harvard College and magna cum laude from Harvard Medical School. He completed an internal medicine internship at Massachusetts General Hospital, an ophthalmology residency at the Massachusetts Eye and Ear Infirmary, and a vitreoretinal fellowship at Bascom Palmer Eye Institute before joining the vitreoretinal department of the Cole Eye Institute at the Cleveland Clinic Foundation, Cleveland, Ohio.

As a National Institute of Health funded investigator, Dr. Kaiser leads a team involved in the evaluation of vascular biology in age-related macular degeneration and diabetic retinopathy. In addition, Dr. Kaiser is actively involved in clinical research as Study Chairman of numerous, multi-center, international clinical trials evaluating new treatments for AMD, DR, and other retinal disorders. He is the founder and director of the Digital Optical Coherence Tomography Reading Center (DOCTR), which is the largest OCT reading center in the world. Complementing his research endeavors, Dr. Kaiser serves on numerous scientific advisory boards and addresses his research interests as an invited speaker at national and international conferences.

He is a major contributor to the medical literature having authored 7 textbooks, and more than 400 peer-reviewed papers. He is Editor-in-Chief of Retina Today, Associate Editor of International Ophthalmology Clinics, and serves on the editorial boards of Retina, Retina Today, and Ocular Surgery News. Dr. Kaiser has been recognized by the American Academy of Ophthalmology and American Society of Retina Specialists with both Achievement and Senior Achievement Awards, and is listed as one of the “Best Doctors in America.” He has received the Research to Prevent Blindness Lew Wasserman Award and the Macula Society’s Young Investigator Award. Finally, he is the team ophthalmologist for the Cleveland Cavaliers (National Basketball Association).
Presentation of the 2017 J. Donald M. Gass Medal

Richard F. Spaide, MD
Presented by Alexander J. Brucker, MD
Thursday, June 8, 2017 – 12:13 p.m.

The J. Donald M. Gass Medal is presented for outstanding contributions in the study of macular diseases

J. Donald M. Gass, MD
W. Richard Green, MD
Stuart Fine, MD, 1995
Gabriel J. Coscas, MD, 1996
Alan Bird, MD, 1997
Lawrence A. Yannuzzi, MD, 1998
Lawrence J. Singerman, MD, 1999
Harvey A. Lincoff, MD, 2001
Evangelos S. Gragoudas, MD, 2002
Neil M. Bressler, MD, 2003
Lee M. Jampol, MD, 2004
Gisèle Soubrane, MD, 2005
Emily Y. Chew, MD, 2006
Jerry Shields, MD, 2007
Carmen A. Puliafito, MD 2008
Joan W. Miller, MD, 2009
Alexander J. Brucker, MD, 2010
Janet S. Sunness, MD, 2011
Frederick L. Ferris III, MD, 2012
William F. Mieler, MD, 2013
Anita Agarwal, MD, 2014
Julie A. Haller, MD, 2015
Daniel F. Martin, MD, 2016

Richard F. Spaide, MD is a specialist in retinal diseases and has published more than 300 articles in peer-reviewed journals, nearly 50 book chapters, and edited several books. He is a graduate of Muhlenberg College and Jefferson Medical College in Philadelphia. He completed his Ophthalmology Residency at St. Vincent’s Hospital and Medical Center in New York and his Retina Fellowship at the Manhattan Eye, Ear, and Throat Hospital.

He is in private practice at the Vitreous, Retina, Macula Consultants of New York. His major research interests include multimodal imaging, optical coherence tomography angiography, and new computer-based rendering techniques to visualize retinal anatomy.

Dr. Spaide has been cited in multiple Who’s Who and Best Doctors lists and has received many awards including the Richard and Linda Rosenthal Foundation Award in the Visual Sciences, Prix Soubrane de la Recherche en Ophthalmologie, Award of Merit from the Retina Society, Henkind Award, Coscas Award, Nataraja Pillai Award from the Vitreoretinal Society of India, W. Richard Green MD Award, George Theodossiadis Award from the Greek Retinal Society, Founders Award from the American Society of Retinal Surgeons, Life Achievement Honor Award from the American Academy of Ophthalmology, Simon Gratz Award from Thomas Jefferson University, and the Roger Johnson Award in Macular Degeneration Research. He is on the Editorial Board of several journals, an Associate Editor of the journal Retina, and a former Executive Editor of the American Journal of Ophthalmology.
The 2017 Arnall Patz Medal

Neil M. Bressler, MD
Presented by Lawrence J. Singerman, MD
Friday, June 9, 2017 – 10:01 a.m.

The Arnall Patz Medal is presented for outstanding contributions in retinal vascular and macular diseases

Arnall Patz, MD
Matthew Davis, MD
John Clarkson, MD, 1995
Daniel Finkelstein, MD, 1995
Ronald Klein, MD, 1996
Rosario Brancato, MD, 1997
Koichi Shimizu, MD, 1998
Morton F. Goldberg, MD, 1999
W. Richard Green, MD, 2000
Sohan S. Hayreh, MD, 2001
Eva M. Kohner, MD, FRCP, 2002
Gary C. Brown, MD, MBA, 2003
Evangelos Gragoudas, MD, 2004

Harvey Lincoff, MD, 2005
Michael L. Klein, MD, 2006
Jean-Jacques De Laey, MD, 2007
Yuval Yassur, MD, 2007
Napoleone Ferrara, MD, 2008
Lawrence J. Singerman, MD, FACS, 2009
Lawrence A. Yannuzzi, MD, 2010
Leonidas Zografas, MD, 2011
Gabriel J. Coscas, MD, 2012
Peter A. Campochiaro, MD, 2013
Tien Y. Wong, MD, PhD, 2014
Anat Lowenstein, MD, 2015
Paul Sternberg, Jr., MD, 2016

Neil M. Bressler, M.D., graduated from the Johns Hopkins University School of Medicine in 1982 and completed an ophthalmology residency at Harvard Medical School’s Massachusetts Eye and Ear Infirmary in 1986. He joined the Wilmer Eye Institute (Department of Ophthalmology) faculty at Johns Hopkins in 1988 when hired by Dr. Arnall Patz, and currently is Chief of the Retina Division with 19 full-time clinical faculty in retina. He also has an endowed chair as the inaugural James P. Gills Professor of Ophthalmology.

Dr. Bressler has authored over 350 peer-reviewed publications. His first publication in ophthalmology, in 1982, was co-authored by Dr. Arnall Patz. Dr. Bressler continues to work on the NIH-sponsored Diabetic Retinopathy Clinical Research Network that he chaired for 7 years, and currently chairs the National Eye Institute’s Data and Safety Monitoring Committee for intramural clinical trials. He also has been Chair of the FDA Ophthalmic Devices Panel, and President of the Macula Society, receiving the Society’s J. Donald M. Gass Medal and its Rosenthal Award.

He also has been honored to receive the Society of Heed Fellows Award, the American Society of Retina Specialists Gertrude Pyron Award, the American Academy of Ophthalmology’s Secretariat Award, was designated a Gold Fellow in ARVO, and received a Senior Scientific Investigator Award from Research to Prevent Blindness. He also served as the Program Chair of the Macula Society for 6 years.

He currently is Editor-in-Chief of JAMA Ophthalmology and has been on The JAMA Network Editorial Board of JAMA since 2013. Apart from medicine, he served as Vice Chair of the Board of Trustees for the Interlochen Center for the Arts in Michigan, where he shared responsibility for engaging and inspiring people through excellence in educational, artistic and cultural programs in the arts, recently becoming only the 12th Life Trustee for the Interlochen Center for the Arts in 90 years.
Dr. Cheung is currently Deputy Head and Senior Consultant of the Medial retina service, Singapore National Eye Centre. She is a senior clinician investigator at the Singapore Eye Research Institute. Her research interests include the study of risk factors and clinical features of macular diseases which may be unique in Asian populations.

Dr. Cheung has published over 100 peer-reviewed articles mostly in age-related macular degeneration, including polypoidal choroidal vasculopathy. She has conducted several clinical trials in anti-vascular endothelial growth factor therapies. Dr Cheung has been actively involved in training and education and has served as Instructor on APAO and AAO courses and many other educational programs. She is also a volunteer faculty for the ORBIS flying eye hospital program.

Dr. Cheung has received a number of prestigious awards, including the APAO achievement award (2017), APAO Nakajima Award (2014), APAO Outstanding Service in Prevention of Blindness Award (2013), the Bayer Global Ophthalmology Research Award (2012), the Roper-Hall Medal (2005) and the Elizabeth Hunt Medal (Royal College of Ophthalmologists, UK).
Presentation of the 2017 W. Richard Green Lecture and Award

Rajendra S. Apte, MD, PhD
Presented by Timothy W. Olsen, MD
Saturday, June 10, 2017 – 9:44 a.m.

Given for significant contributions to our understanding of the pathogenesis of retinal diseases

Mark O.M. Tso, MD, 2001
Daniel M. Albert, MD, 2002
J. Donald M. Gass, MD, 2004
Hans E. Grossniklaus, MD, 2005
Mark Blumenkranz, MD, 2006
Michael Marmor, MD, 2007
Sohan Hayreh, MD, 2008
Prof. Dr. Anselm Kampik, 2009

Ralph C. Eagle, Jr., MD, 2010
David N. Zack, MD, 2011
David J. Wilson, MD, 2012
John Sarks, FRCS, FRANZCO, 2013
Shirley Sarks, FRCS, FRANZCO, MD, 2013
Hendrik P.N. Scholl, MD, MA, 2014
Richard F. Spaide, MD, 2015
Carol L. Shields, MD, 2016

Dr. Rajendra S. Apte is the Paul A. Cibis Distinguished Professor at Washington University School of Medicine in St. Louis, Missouri, where he serves as the Director of Translational Research in the Department of Ophthalmology and Visual Sciences, and is a Professor in the Department of Developmental Biology and Medicine. Dr. Apte received his medical degree from the University of Bombay and joined Washington University School of Medicine after obtaining a Ph.D. in Immunology at the University of Texas Southwestern Medical Center in Dallas, Texas, and post completion of a retinal vascular and vitreo-retinal surgery fellowship at The Johns Hopkins University School of Medicine in Baltimore, Maryland. Dr. Apte was recruited to Washington University in 2003 and became a tenured professor at the School of Medicine in less than ten years. Dr. Apte is a vitreoretinal surgeon and clinician scientist. His basic research focuses on the role of inflammation in cell survival and angiogenesis. His clinical research includes understanding the pathobiology of medical and surgical retinal diseases. Dr. Apte has published extensively in basic and clinical peer reviewed journals and has participated as a principal investigator in numerous clinical trials.

Dr. Apte has won numerous awards, honors, and educational scholarships, recent highlights of which include the 2017 J. Wayne Streilein Award Lecture in Immunology, 2017 Macula Society W. Richard Green Award, 2016 Research to Prevent Blindness Nelson Trust Award, 2014 Research to Prevent Blindness Sybil B. Harrington Physician-Scientist Award for Age-Related Macular Degeneration, 2014 ASRS Presidents’ Award, 2013/2014 Carl Camras Translational Award, the Macula Society Young Investigator Award in 2013, Julie Martin Mid-Career Award in Aging Research from AFAR in 2012, the Macula Society Retina Research Foundation Cox Research Award in 2010, the American Retina Foundation Research Award in 2008, the Washington University Nominee for the Ellison Foundation New Scholars Award in Aging in 2005, and the Research to Prevent Blindness Career Development Award in 2004. These awards accompany his 100+ peer-reviewed publications.

Additionally, Dr. Apte has professional associations with the American Society for Clinical Investigation, American Academy of Ophthalmology, the American Society of Retina Specialists, the Association for Research in Visual Ophthalmology, Club Jules Gonin, the Macula Society, and the Retina Society.

Rajendra S. Apte, MD, PhD: Paul A. Cibis Distinguished Professor, Department of Ophthalmology & Visual Science, Professor, Department of Developmental Biology, Professor of Medicine, Director of Translational Research, Director, Jeffrey Fort Innovation Fund, Washington University School of Medicine 660 S. Euclid Ave, Campus Box 8096, St. Louis, MO 63110 apte@wustl.edu
Jeffrey Ryuta Willis, MD
Presented by Lawrence Sheldon Morse, MD, PhD
Saturday, June 10, 2017 – 11:16 a.m.

Jeffrey R. Willis, MD, PhD completed his doctorate in International Health at the Johns Hopkins School of Public Health and his medical degree at the University of Maryland. For his doctoral thesis, he studied the impact of a community health intervention on neonatal health in rural India. He completed his residency training in ophthalmology at the University of California- Davis.

Currently, he is completing a hybrid fellowship, where he is a Medical Retina Fellow at the University of California -Davis and a Clinical Research Fellow at Genentech. During this fellowship, Jeff has gained exposure to clinical trial development and the use of “Big Data” to understand the epidemiology of eye diseases.

Most recently, under the mentorship of Dr. Larry Morse, he utilized data from the IRIS Registry and the NHANES to assess not only the epidemiology of myopic choroidal neovascularization (mCNV), but also treatment patterns for mCNV in the United States. Additionally, he has utilized large datasets and technology to characterize the epidemiological and functional burden of diabetic retinopathy in the U.S. Jeff has received numerous awards, including the Heed Ophthalmic Foundation Fellowship Award and the Japanese Medical Society of America Scholarship.

Jeff aspires to utilize novel data sources/technology to improve clinical trial designs, promote more personalized health care, and improve access to care for those that need it.
CME Financial Disclosures

In accordance with the ACCME Standards for Commercial Support Number 6, all in control disclosed any relevant financial relationships. These relationships were reviewed via the MCW conflict of interest resolution process and resolved.

Known Commercial Supporter(s) of this meeting (C)
Name of Commercial Interest, What was received, For What Role? (CI)

Planner and Speaker Disclosures

All persons in control of content have no relevant financial relationships to disclose except the following:

Abramoff, Michael
IDx LLC - Shares and consultancy fees - Shareholder - Consultant - President - Director (CI);

Aiello, Lloyd
Optos (C); Travel support - Attendance at company meeting (CI); Optos - Equipment Loan - Research Studies other than what is being presented (CI);

Arevalo, J. Fernando
Springer SBM LLC - 1000 USD - Patents/Royalty (CI); EyEngineering Inc. - Nothing - Consultant/Advisor (CI); Turing Pharmaceuticals LLC - 15000 USD - Consultant/Advisor (CI); Second Sight LLC - Nothing - Consultant/Advisor (CI); DORC International B.V. - 9000 USD - Consultant/Advisor (CI);

Arnold, Jennifer
Novartis - Honoraria - Advisory Board Member - Steering Committee Member (CI); Bayer - Honoraria - Travel and Conference Support - Advisory Board Member - Speaking and Teaching (CI); Allergan - Honoraria - Advisory Board Member - Speaking and Teaching (CI);

Bailey, Clare
Attended occasional advisory board meetings for Novartis - Bayer - Alimera Sciences - Lecture fees/travel support from Bayer - Allergan - Alimera sciences - Honoraria - Occasional advisory board attendances - Lecture fees as above (CI);

Bandello, Francesco
Alcon - Consulting fee - Consultant (CI); Alimera Sciences - Consulting fee - Consultant (CI); Allergan - Consulting fee - Consultant (CI); Farmila-Thea - Consulting fee - Consultant (CI); Shering-Pharma - Consulting fee - Consultant (CI); Bausch + Lomb - Consulting fee - Consultant (CI); Genentech - Consulting fee - Consultant (CI); Hoffmann-LaRoche - Consulting fee - Consultant (CI); NovagaliPharma - Consulting fee - Consultant (CI); Novartis - Consulting fee - Consultant (CI); Sanofi-Aventis - Consulting fee - Consultant (CI); Thrombogenics - Consulting fee - Consultant (CI); Zeiss - Consulting fee - Consultant (CI);

Barak, Adiel
Elbit Ltd. (C); Nanoretina - Salary - Consultation (CI); Icinside - Share holder - Consultant (CI); Microsoft - Shares - Consultation (CI);

Barthelmes, Daniel
Novartis & Bayer (Consultant - Grant Support - Lecture fees) (C); Novartis - Fees for Consultant - Lecture fees; unrestricted Research Grants - Lecturer - Advisor - Principal Investigator (CI); Bayer - Fees for Consultant - Lecture fees; unrestricted Research Grants - Lecturer - Advisor - Principal Investigator (CI);
Bennett, Jean
Spark Therapeutics - Clinical Trial Agreement (CTA; PI - A.Maguire, MD) - Investigator - Non-Equity holding founder (CI); GenSight Biologics - Founder (CI); Limelight Bio - Sponsored Research Agreement (SRA) - PI of research studies - Founder (CI); Biogen - Sponsored Research Agreement (SRA) - PI of preclinical studies (CI); Co-author - Patents pending - Co-inventor

Bernstein, Paul
Science Based Health - Consulting fee - Scientific Advisory Board on ocular nutritional supplements (CI); Acucela - Consulting fee - Advisor on drugs for Stargardt disease (CI); NuSkin/Pharmnex - Patent Royalties - Licensed patent for quantitation of carotenoids in living tissues (CI);

Berrocal, Audina
Bayer - Honoraria - Lecturer (CI); Visunex - Honoraria - Consulting fee (CI); Dorc - Lecture fee - Lecturer (CI); Allergan - Honoraria - Ad board (CI); Bausch + Lomb - Lecture fee - Lecturer (CI);

Besirli, Cagri
ONL Therapeutics - Consulting fee - IP rights - royalty - Consulting - independent contractor (CI); iRenix Medical - Ownership interest - royalty - Consulting (CI);

Birch, David
Applied Genetic Technologies Corporation - Consulting fees - Consultant (CI);

Blanco-Garavito, Rocio
Bayer - Honorarium - Speaker (CI); Novartis - Honorarium - Speaker (CI); Sandoz - Honorarium - Board advisory (CI);

Bohnsack, Brenda
Alcon Research Institute - Grant - Principal Investigator in unrelated project to abstract (CI); National Eye Institute - Grant - Principal Investigator in unrelated project to abstract (CI); Edward Mallinckrodt, Jr Foundation - Grant - Principal Investigator in unrelated project to abstract (CI); Research to Prevent Blindness - Grant - Principal Investigator in unrelated project to abstract (CI);

Boyer, David
Regeneron Pharmaceuticals, Inc. (C); Consultant (CI); Allergan (C); Consultant - Speaker's Bureau (CI); Bausch + Lomb - Genentech - Optos - Optovue (C); Consultant (CI); Acucela - Aerpio - Alcon - Alimera Sciences - Bayer - BioMotiv - Boehringer-Ingelheim Pharmaceuticals - CoDa Therapeutics - Foresight Biotherapeutics - GenSight Biologics - Glaukos - GlaxoSmithKline - Graybug Vision - Notal Vision - Novartis Ophthalmics - Neurotech - Ocular Therapeutics - Ophotech - Ora, Inc. - Regenxbio - Regulus Therapeutics - Vision - Roche - Santen - Shire - Sun Pharmaceuticals Industries - Taiwan Liposome Company - ThromboGenics - Zeiss (CI); Allegro - Consultant - Stock (CI); Ohr (C); Consultant - Stock (CI); DigiSight - Consultant - Stock (CI);

Bressler, Neil
Bayer; Novartis; Roche (Genentech) (C); Bayer - Grants to Institution - Principal Investigator (CI); Novartis - Grants to Institution - Principal Investigator (CI); Roche (Genentech) - Grants to Institution - Principal Investigator (CI); Samsung - Grants to Institution - Principal Investigator (CI);

Bressler, Susan
Novartis - Bayer - Notal - (C); Bayer - Grants - Investigator (CI); Novartis - Grants - Investigator (CI); Boehringer Ingleheim - Grants - Investigator (CI); Total vision - Grants - Investigator (CI); Jaeb CEenter- NIH - Grants - Investigator (CI);

Brittain, Christopher
Genentech - Money - Stock - I am a medical director and employee of Genentech (CI);

Broadbent, Deborah
National Institute for Health Care - Programme Grant - investigator (CI);
Brown, David
Regeneron Pharmaceuticals, Inc. (C); Alcon (C); Consultant - Research funding (CI); Allergan (C); Consultant - Research funding (CI); Clearside Biomedical (C); Consultant - Research funding (CI); Genentech (C); Consultant - Research funding (CI); Novartis - Consultant - Research funding (CI); Regeneron Pharmaceuticals, Inc. (C); Consultant - Research funding (CI); Roche - Consultant - Research funding (CI); Stealth Peptides - Consultant - Research funding (CI); Thrombogenics - Consultant - Research funding (CI); Xcovery - Consultant - Research funding (CI); Avalanche - Bayer HealthCare - Heidelberg - KOWA - Optos - Optovue - QLT - Quantel Medical - Xoma - and Zeiss – Consultant (CI); Allegro - Research funding (CI); Astellas - Research funding (CI); Iconics - Research funding (CI); NEI - Research funding (CI); Santen - Research funding (CI);

Cantrell, Ronald
Roche - Salary - Stock and Stock options - Employment (CI);

Carroll, Joseph
OptoVue, Inc. - Equipment - Research Support (CI);

Chakravarthy, Usha
Novartis - Fees - Attendance at advisory board (CI);

Chan, Clement
Allergan - Grant support - Research - Speaker Bureau (CI); Roche-Genentech - Grant support - Research (CI); Regeneron - Grant support - Research (CI); National Eye Institute - Grant support - Research (CI); Ophthotec - Grant support - Research (CI);

Chang, Louis
Allergan - Genentech (C); Allergan - Honoraria - Scientific Advisory Board (CI); Genentech - Honoraria - Advisory Board (CI);

Chang, Stanley
Alcon (C); Alcon - Honorarium - Alcon Research Institute Committee - select awardees (CI);

Chee, Caroline
Bayer (C); Bayer - Travel support - Advisory. (CI); Novartis - Honorarium - Advisory Board (CI); Ok (CI);

Cheung, Gemmy
Bayer - Novartis - Allergan - Topcon (C); Novartis - Honoraria - consulting - speaking and teaching - advisory committees (CI); Bayer - Honoraria - consulting - speaking and teaching - advisory committees (CI); Allergan - Honoraria - speaking and teaching (CI); Topcon - travel reimbursement - speaking and teaching (CI);

Chowers, Itay
Novartis - Consulting fee - Research Grant - membership on advisory committees - speaking and teaching - Investigator (CI); Bayer - Consulting fee - Research Grant - consulting - investigator (CI);

Cohen, Salomon
Alcon - Consulting fee - Consultant (CI); Allergan - Consulting fee - Consultant (CI); Bayer - Consultant fee - Consultant (CI); Novartis - Consulting fee - Consultant (CI); Thea - Consulting fee - Consultant (CI);

Coscas, Gabriel
Bayer - Honorarium - Consultant (CI); Novartis - Honorarium - Consultant (CI); Allergan - Honorarium - Consultant (CI); Heidelberg Engineering - Honorarium - Consultant (CI);

Couturier, Aude
Bayer - Fee - Consultant (CI); Allergan - fee - Consultant (CI);

Cozzi, Mariano
CenterVue - reimbursements - speaking and teaching (CI); Heidelberg engineering - fees for attending a meeting - speaking and teaching (CI); Allergan - fees for attending a meeting - speaking and teaching (CI);
Csincsik, Lajos  
Optos (C); Grant support paid to your institution (CI);

Davis, Janet  
Allergan - Reimbursement for expenses - Data Safety Monitoring Board (CI); Abbvie - Consulting fees - Participation in an international steering committee regarding treatment of uveitis (CI);

Devin, François  
Novartis Lab - Alcon Lab - Bayer Lab - (C); Novartis Lab - Consulting fees - reimbursement of travel expense - Consultant/Advisor - Lecture fees (CI); Alcon Lab - Consulting fees - reimbursement of travel expense - Consultant/Advisor - Lecture fees (CI); Bayer Lab - Consulting fees - Reimbursement of travel expense - Consultant/Advisor - Lecture fees (CI);

Doan, Quan  
Genentech (C); Genentech - Research Grant - independent contractor (contracted research) (CI);

Durbin, Mary  
Carl Zeiss Meditec, Inc. - Salary - Employment (CI);

Ecoiffer, Tatiana  
Genentech (C); Employee - Salary - Employment as a Medical Science Liaison at Genentech (CI); Equity Owner - Ownership interests (i.e. Stocks) - Employment as a Medical Science Liaison at Genentech (CI);

Egger, Anna  
Novartis Pharma AG - salary - employee (CI);

Ehrlich, Jason  
Genentech (C); Genentech - Salary - Stock - Stock options - Employee (CI); Jason Ehrlich (CI);

Eliott, Dean  
Alimera - Honorarium - Consultant (CI); Dutch Ophthalmic - Honorarium - Consultant (CI); Regenxbio - Honorarium - Consultant (CI); Neurotech - grant support - clinical trial (CI); Helio Vision - equity owner - co-founder (CI);

Fan, Wenying  
No commercial support (CI);

Ferrara, Daniela  
Genentech, Inc - Salary - Medical Director (CI); Roche - Stock/Stock Options - Medical Director (CI);

Fleckenstein, Monika  
Genentech - Roche - Heidelberg Engineering (C); Research collaboration/Grant support (Genentech) - Financial support - research collaborator (CI); Consultant (Roche/Genentech) - Consulting fee - Consultation (CI); Research collaboration (Heidelberg Engineering) - imaging technology - Research collaborator (CI);

Foo, Arthur  
Novartis Pharmaceutical (C); Novartis Pharmaceutical - Salary - Employee- Global Trial Leader (CI);

Freund, K. Bailey  
Genentech - Optos - Optovue - Heidelberg Engineering - Graybug Vision (C); Consultant - Consulting fee for all (CI); Genentech - Research support - Investigator (CI);

Gaudric, Alain  
Bayer HealthCare - Congress fees and travel reimbursement - Notes and report. (CI); Novartis Pharma - Congress fees and travel reimbursement - Notes and report (CI); Novartis Pharma - Honoraria - management of an educational website (CI);
Ghanekar, Avanti
Genentech (C); Salary - Stock - Employee (CI);

Gillies, Mark
Novartis - Allergan - Bayer (C); Allergan - Research funding paid to my institution - Honoraria and travel for ad boards and presentations paid to me - see above (CI); Bayer - Research funding paid to my institution - Honoraria and travel for ad boards and presentations paid to me - see above (CI); Novartis - Research funding paid to my institution - Honoraria and travel for ad boards and presentations paid to me - see above (CI);

Gleeson, Michelle
Genentech (C); Genentech - My salary comes from Consulting fees - Statistical analyst (CI);

Goldstein, Michaella
Allergan - Novartis - Bayer (C); Allergan - Honoraria - travel expenses - Lectures(speaking and teaching) Travel expenses for meetings (CI); Bayer - Consulting fee - Honoraria - advisory board - lectures (speaking and teaching) (CI); Novartis - Honoraria - lectures (speaking and teaching) - travel expenses for international meetings (CI);

Gragoudas, Evangelos
Iconic Therapeutics - Consulting fee - Advisory Board (CI); Aura Pharmaceuticals - Consulting fee - Clinical advisory board (CI); Ocata Therapeutics - Consulting fee - Safety Committee - Data Safety Monitoring Board (CI); Valeant - Royalties (CI);

Green, Ken
Alimera Sciences - salary - Stock - Stock options - management position (CI);

Gregori, Giovanni
Carl Zeiss Meditec (C); Research Grant - PI (CI);

Grewal, Dilraj S.
Allergan - Consultant fee - Consultant (CI);

Guymer, Robyn
Novartis - Consulting fees - advisory board (CI); Roche Genentech - Consulting fees - advisory board (CI);

Hanhart, Joel
Novartis - Honoraria - Consultation - Lecture (CI); Allergan - Honoraria - Consultation (CI);

Hariprasad, Seenu
Alcon - Allergan - Bayer - Alimera Sciences - Cleftside Biomedical - Regeneron - Spark - Leica - Honorarium - Consultant and Speaker's Bureau (CI); OD-OS and Cleftside Biomedical - Stock Options - Consultant (CI);

Haskova, Zdenka
Genentech - a member of Roche (C); Employee of Genentech - Salary - Medical Director (CI);

Henry, Erin
Genentech, Inc (C); Genentech, Inc - Salary and Stock/Stock options - Employee and Equity Owner (CI);

Holekamp, Nancy
Genentech, Inc. (C); Grant support - Honoraria - Investigator - Consultant - Speaker (CI); Allergan (C); Grant support - Honoraria - Investigator - Consultant - Speaker (CI); Alimera Sciences - Grant support - Honoraria - Investigator - Consultant - Speaker (CI); Regeneron (C); Honoraria - Consultant - Speaker (CI); Katalyst - Other financial benefit - Stockholder (CI); Novartis - Honoraria - Consultant (CI); Ophthotech - Grant support - Investigator (CI); Ohr Pharmaceutical (C); Grant support - Investigator (CI);
Holz, Frank
Acucela - Consulting fee - Consultant/Advisor - Research grants (CI); Alcon - Research grants (CI); Allergan - Consulting fee - Consultant/Advisor - Research grants (CI); Bayer - Consulting fee - Consultant/Advisor - Research grants (CI); Formycon - Research grants (CI); Genentech (C); Consulting fee - Consultant/Advisor - Research grants (CI); Novartis - Consulting fee - Consultant/Advisor - Research grants (CI); Optos - received non-financial support for supply of technical equipment (CI); Roche - Consulting fee - Consultant/Advisor - Research grants (CI); GlaxoSmithKline - Consulting fee - Consultant/Advisor (CI); GlaxoSmithKline - Consulting fee - Consultant/Advisor (CI); Heidelberg Engineering (C); Consulting fee - Consultant/Advisor - received non-financial support for supply of technical equipment (CI); Zeiss MedTec - received non-financial support for supply of technical equipment (CI);

Hubschman, Jean-Pierre
Alcon and Allergan (C); alcon - Consulting fees - Advisory Board Member (CI); Allergan - Honoraria - speaker (CI);

Iacono, Pierluigi
Novartis (Switzerland) - Money paid to me - Consultant role provided in the past (2014) (CI);

Ip, Michael
Thrombogenics - Honoraria for consultation - DSMC chair of CIRCLE Study (CI); Boehringer Ingelheim - Honoraria - Consultant (CI); Genentech - Honoraria for consultation - Consultant (CI); Alimera - Honoraria - Consultant (CI);

Ishida, Susumu
None (C); Bayer - Consultant/Advisor - Lecture fees - Grant support - Consulting fee - Honoraria - Contracted research - Speaking - Teaching - Membership on advisory committees (CI); Bonac - Patents/Royalty (CI); Chugai - Patents/Royalty (CI); Nidek - Lecture Fees - Patents/Royalty - Grant Support (CI); Novartis - Lecture Fees - Grant support - Honoraria - Contracted research - Speaking - Teaching (CI); Santen - Honoraria - Lecture fees - Grant support - Contracted research - Speaking - Teaching (CI); Seed - Grant support - Patents/Royalty - Contracted research (CI);

Izatt, Joseph
Leica Microsystems Inc - Royalty and Milestone Payments - Royalties on licensed patents and milestone payments following acquisition of company I co-founded by Leica. (CI); Carl Zeiss Meditec - Royalties - Royalties on licensed patents (CI); St. Jude Medical - Royalties - Royalties on licensed patents (CI);

Jaffe, Glenn
Heidelberg Engineering - Honoraria - Consulting (CI); Neurotech - Honoraria - Consultant (CI); pSivida - Honoraria - Consultant (CI);

Jonas, Jost
None (C); Consultant for Mundipharma Co. (Cambridge, UK) - Consultant fee - Consultant (CI); Patent holder with Biocompatibles UK Ltd. (Fransham, Surrey, UK) (Title: Treatment of eye diseases using encapsulated cells encoding and secreting neuroprotective factor and / or anti-angiogenic factor; Patent number: 20120263794), - Nothing - Patent holder (CI); Patent application with University of Heidelberg/Germany: Title: Agents for use in the therapeutic or prophylactic treatment of myopia or hyperopia; European Patent Number: 3 070 101 - Nothing - Patent applicant (CI);

Joondeph, Brian
Allergan - Consulting fee - Honoraria - Consultant - Advisor - Speaker (CI); DORC Ophthalmic USA - Consulting fee - Honoraria - Consultant - Advisor - Speaker (CI); ThromboGenics, Inc - Consulting fee - Honoraria - Consultant - Advisor - Speaker (CI); Vision Care, Inc - Consulting fee - Honoraria - Consultant - Advisor - Speaker (CI); Santen Pharmaceutical - Consulting fee - Honoraria - Consultant - Advisor - Speaker (CI);

Kaiser, Peter
Khurana, Rahul
Genentech, Inc. - Honoraria - Consultant (CI); Allergan - Honoraria - Consultant (CI); Regeneron - Honoraria - Consultant (CI);

Kim, Ivana
Genentech - Grant support - Investigator-sponsored trial (CI); Alcon - Consulting fee - Data Safety Monitoring Board (CI);

Kim, Judy
Optos (C); - research support - investigator (CI); zeiss - research support - Honorarium - investigator - speaker (CI); notal vision - research support - investigator (CI); alimera sciences - Honorarium - advisory board (CI);

Kiss, Szilard
Genentech - Regeneron - Optos (C); Genentech - Consultant Fee - Consultant/Advisor (CI); Regeneron - Consultant Fee - Consultant/Advisor (CI);

Kissner, Jennifer
Clearside Biomedical, Inc (C); Clearside Biomedical, Inc - salary - employee (CI);

Kodjikian, Laurent
Abbvie - Honoraria - Consultant (CI); Alcon - Honoraria - Consultant (CI); Allergan - Honoraria - Consultant (CI); Bayer - Honoraria - Consultant (CI); Novartis - Honoraria - Consultant (CI);

Kompella, Uday
Ocugen, Inc. - Travel expenses; Intellectual property - Equity Owner (CI); EyeTrans Technologies, Inc. - Travel expenses - Equity Owner (CI); Bayer - Consultant fee - Consultant (CI);

Kubach, Sophie
Carl Zeiss Meditec - I have received salary from CZMI for employment - Senior Staff Optical Design Engineer (CI);

Kurup, Shree
Allergan (C S) Regeneron (S C) Clearside (C) (C); Allergan - Honorarium - Consulting Speaking (CI); Clearside - Honorarium - Consulting (CI); Regeneron - Nothing in past 12 m - Consulting Speaking (CI);

Lad, Eleonora
Hoffmann La Roche - Grant support - investigator-initiated industry supported trial and investigator for phase 3 trial (CI); Apelllis Pharmaceuticals - Grant support - investigator for phase 2 trial (CI); Janssen Pharmaceuticals - Consulting fees - Consultant (CI);

Lai, Timothy
Novartis (C); Allergan - Consulting fee and Honoraria - Consultant and speaker (CI); Bayer - Consulting fee and Honoraria - Consultant and speaker (CI); Novartis - Consulting fee and Honoraria - Consultant and speaker (CI);

Lanzetta, Paolo
Centervue - Consulting fee - Consulting (CI); Novartis - Consulting fee - Consulting (CI); Bayer - Consulting fee - Consulting (CI);

LaRocca, Francesco
None (C); Leica Microsystems, Inc. - Patent Royalties - Inventor of Patent (CI);

Lee, Shu Yen
Topcon - Travel & Lecture fees - Speaker (CI);

Lee, Won Ki
Novartis - Consulting fee - Honoraria - membership on advisory committees - speaking and teaching (CI); Bayer - Consulting fee - Honoraria - membership on advisory committees - speaking and teaching (CI); Santen - Consulting fee - board membership (CI); Allergan - Honoraria - speaking and teaching (CI);
Lehmann, Mathieu
Bayer - Allergan (CI); Bayer - travel expense - Lecture fees - lectures (CI); Allergan - travel expense - Attending a meeting (CI);

Lengyel, Imre
Optos (CI); Grant support paid to my institution - Research work (CI);

Lim, Tock Han
Novartis - NHG Eye Institute received payment as a reading centre for the EVEREST II Study. I receive payment from the reading centre. - As an expert reader of the reading centre (CI); Novartis - Nil - Global Advisory Board for PCV (CI); Novartis - Nil - Steering Committee member for the EVEREST II Study (CI); Heidelberg Engineering - Travel reimbursement - Speaker for international conference (CI);

Lin, Hugh
Genentech/Roche - salary - I am an employee of Genentech/Roche for which I receive a full-time salary and ownership interest (CI); Genentech/Roche - salary - My wife is an employee of Genentech/Roche for which she receive a full-time salary and ownership interest (CI);

Lin, Renuxin
Novartis Pharmaceuticals - Salary - Employment (CI);

Liu, Emily
Spark Therapeutics - salary - equities - employment (CI);

Loewenstein, Anat
Alcon/Novartis - Honoraria - Consulting fee - Consulting (CI); Allergan - Honoraria - Consulting fee - Consulting (CI);

Lujan, Brandon
Genentech - Honorarium - Lecturer (CI); Zeiss - Travel Reimbursement - Lecturer (CI);

Maguire, Albert
Spark Therapeutics - Grantee – Co-Inventor – Patent – Waived potential financial interest - Clinical trial agreement (CTA) - PI (CI); Spark Therapeutics – Dr. Maguire’s spouse (J. Bennett) – Scientific – Non-Equity holding founder – Co-Author – Patents (CI); Genesight Biologics - Limelight Bio - Dr. Maguire’s spouse (J. Bennett) Received Sponsored Research Agreements - Preclinical Retinal Gene Therapy Studies – Co-Authors – Patents (CI); Biogen - Grantee - Clinical trials agreement - Investigator (CI); Regenxbio - Grantee - Consulting fee (submitted) - PI/ Consultant (CI); Novartis - Consulting fee (submitted) - Consultant (CI);

Maguire, Maureen
Genentech/Roche - Consulting fees - I serve on an independent data monitoring committee for a company-sponsored clinical trial (CI);

Mahmoud, Tamer
Alimera - Honorarium - Advisory board (CI); DORC - Honorarium - Advisory Board (CI); Sparks - Honorarium - Advisory Board (CI);

Maia, Mauricio
IPEPO (Sao Paulo Institute of For Research in Ophthalmology) (C); CNPq (Brazilian National Council for Research) - Brazilian Government - Grants and monthly Honoraria - Intellectual property for (CI); Fapesp (Foundation of Research from Sao Paulo State) - Grants and Honoraria - Consultant of research projects and research projects development (CI); CAPES (Coordination for the Improvement of Higher Education Personnel) - Brazilian Government - Grants - Development and Consultant of research projects (CI); Kemin Inc. - Grant - Honoraria and Intellectual Property related do lutein based dyes use for chromovitrectomy - Grant to development research projects and Honoraria for talks in symposiums supported by industry (CI); Novartis - Grants and Honoraria - Grant to development research projects and Honoraria for talks in symposiums supported by industry (CI); Bausch + Lomb (C); Consultant - Honoraria - Speaker in symposia supported by industry (CI); Alcon (C); Consultant - Honoraria - Speaker in symposia supported by industry (CI); Allergan (C); Grants - Consultant - Grants for development of Research projects - Honoraria - Speaker in symposia supported by industry (CI); Bayer - Consultant - Honoraria - Speaker in symposia supported by industry (CI);
Malangone-Monaco, Elisabetta
Genentech (C); Truven Health Analytics - an IBM Company - received funding from Genentech - for my participation in this study. (CI);

Maranville, Joseph C.
Merck & Co. - Salary - Employee (CI);

Marcovich, Arie
EyeYon medical: a company that develops solutions for corneal edema and artificial corneal implant - Share holder and receive consulting fees. - Founder, Board member and consultant. (CI); Yeda - Weizmann institute of Science - Patent on a novel glaucoma drug - future royalties - Inventor and researcher (CI); Steba medical - Patent on a novel cross-linking drug - future royalties - Inventor and researcher (CI);

Mathur, Ranjana
Novartis - Bayer - Allergan (C); Novartis - Consultant fee - lecture fee - Advisor/consult - invited lecture (CI); Bayer - Lecture fee - Invited speaker (CI); Allergan - Travel grant - Delegate (CI);

Mauget-Faÿsse, Martine
Bayer - Novartis - Heidelberg (C); Bayer - Consulting fee - consulting (CI); Novartis - Consulting fee - consulting (CI); Heidelberg - Consulting fee - consulting (CI);

Mein, Calvin
Regeneron - (C); Stock ownership (CI); Alimera - (C); Stock ownership (CI); Alcon - Research support - Research (CI); Allergan - Research support - Research support (CI);

Michels, Stephan
Equity Owner and Co-Founder of start-up Ophthorobotics - No finacial support recieved (CI);

Miller, Joan
None (C); Valiant Pharmaceuticals (licensee) - Mass. Eye and Ear (assignee) - Royalties; Patent/Intellectual Property - Patent-Inventor (CI); ONL Therapeutics, LLC (2013-05-03 to present) - Consulting fees - Patents - Intellectual Property - Scientific Advisory Board Membership - Inventor (CI); Elsevier - Royalties - Textbook Authorship - Editorial Duties (CI); Alcon Research Institute (2010 to present) - Consultant Fees - Scientific Consultant - Committee Membership (CI); KalVista Pharmaceuticals, Ltd. (2012-03-31 to present) - Consulting fees - Scientific Consultant (CI); Maculogix, Inc. - Consulting Fees - Equipment Donation - Scientific Advisory Board (2013-10-03 to present) (CI); Amgen, Inc. - Consulting Fees - Consultant (2014-09-18 to 2016-09-18); Lowy Medical Research Institute, Ltd. - Grant support for Mactel study - Investigator (2013 to 2015-12-31) (CI);

Miller, John
Allergan - Consulting fee - Consulting (CI);

Monés, Jordi
Genentech (C); Receipt of Grants - Research Support - Receipt of honoraria - Consultation fees (CI); Alcon (C); Receipt of Grants - Research Support - Receipt of honoraria - Consultation fees (CI); Bayer - Receipt of Grants - Research Support - Receipt of honoraria - Consultation fees (CI); IDx - Receipt of honoraria - Consultation fees (CI); Maculogix - Receipt of honoraria - Consultation fees (CI); Notalvision - Stock shareholder (CI); Novartis - Receipt of Grants - Research Support - Clinical Trial - Receipt of honoraria - Consultation fees (CI); Ophthotech - Receipt of Grants - Research Support - Receipt of honoraria - Consultation fees - Stock shareholder(CI); Roche - Receipt of Grants - Research Support - Receipt of honoraria - Consultation fees (CI);

Moore, Anthony
SANOFI - Fees - For chairing DSMB of their gene therapy trials (CI); AGTC - My institution UCSF was paid for recruiting patients to their XLRS trial - UCSF PI (CI);
Morse, Lawrence
Genentech, Inc. (C); Genentech, Inc. - Consulting fee - Honoraria - Advisory board - consulting - speaking (CI); Iridex, Inc. - Honoraria - Speaking (CI);

Mrejen-Uretsky, Sarah
Novartis - money - Lecture fees (CI); bayer - money - Lecture fees (CI);

Nguyen, Quan
Santen - Genentech - Regeneron (C); Santen: - Honorarium - Member of the Scientific Advisory Board (which I receive Honorarium). I also chair the Steering Committee for the SAKURA Study - which I do not receive any Honorarium. (CI); Genentech - Honorarium - Member of the Scientific Advisory Board (CI); Regeneron - Honorarium - Member of the Scientific Advisory Board (CI);

Noronha, Glenn
Clearside Biomedical, Inc - employer; Stock (C); Clearside Biomedical, Inc - Employment - management position - Stock - Chief Scientific Officer (CI);

Ober, Michael
Sandoz - Honorarium - Advisory Board (CI); Spark Therapeutics - Honorarium - Advisory Board (CI); Allergan - Honorarium - Speaking Bureau (CI); OD/OS - Stock Options - Advisor/Consultant (CI);

Ozden, Rabia
AGTC (C); AGTC - Salary - Employment (CI);

Panda-Jonas, Songhomitra
Patent holder with Biocompatible UK Ltd. (Title: Treatment of eye diseases using encapsulated cells encoding and secreting neuroprotective factor and / or anti-angiogenic factor; Patent number: 20120263794) - and (together with Rahul Jonas and Shefali Jona - Nothing up to now (CI);

Pennesi, Mark
AGTC - Honoraria - Speaking (CI); Ionis Pharmaceuticals - Consulting fee - Consulting (CI); Sparks Therapeutics - Consulting fee - Consulting (CI); Editas - Consulting fee - Consulting (CI); ProQR Therapeutics - Consulting fee - Consulting (CI);

Peto, Tunde
Optos (C); Optos - grant funding for the project paid to my institution - chief investigator (CI);

Querques, Giuseppe
Alimera Sciences - Consulting fee - Consultant (CI); Allergan, Inc. (C); Consulting fee - Consultant (CI); Heidelberg Engineering (C); Consulting fee - Consultant (CI); Bayer - Consulting fee - Consultant (CI); Novartis - Consulting fee - Consultant (CI); Sandoz - Consulting fee - Consultant (CI); Zeiss - Consulting fee - Consultant (CI);

Quedada Ruiz, Carlos
Genentech (C); Employment - Salary - Medical Director (CI);

Rajput, Yamina
Genentech - Salary - Employee (CI);

Rodriguez, Francisco
Bayer - Novartis - Allergan - Topcon - Nidek (C); Bayer - Honoraria - Consulting fee - Speaker - Advisory Board - Consulting (CI); Novartis - Honoraria - Advisory Board - speaker (CI); Allergan - Honoraria - Advisory Board (CI); Topcon - Honoraria - Speaker (CI); Nidek - Honoraria - Speaker (CI);
Rosen, Richard
Genentech Roche (C); Research support - Investigator initiated study - Clinical study fees (CI); Regeneron (C); Investigator - Consultant - Consulting fees (CI); Allergan (C); Scientific advisory - Consulting fees (CI); Optovue (C); Consulting fees - Scientific Advisory - Software development - Speaking engagements (CI); Clarity - Consulting fees - Scientific Advisory (CI); Nano Retina - Consulting fees - Scientific Advisory (CI); OCATA Therapeutics - Consulting fees - Scientific Advisory (CI); Guardian Health - Scientific Advisory Board (CI); Cellview - Medical Advisory Board (CI); Opticology - Intellectual Property (CI); OD-OS - Consultant - Travel fees (CI); Carl Zeiss Meditec - Investigator (CI); GlaucoHealth - Consultant - Consulting fees (CI); SERI - SNEC - Advisory Board - Consulting fees (CI);

Rosenfeld, Philip
Carl Zeiss Meditec (C); Carl Zeiss Meditec - Grant support and Consulting fees - Investigator and Consultant (CI);

Roth, Daniel
None (C); Allergan - Honorarium - Advisory Board (CI); Alimera Sciences - Honorarium - Consultant - Advisory Board (CI); Forsight Labs - Stock - equity ownership (CI); Genentech - Honorarium - Consultant - Advisory Board (CI);

Sadda, SriniVas
Optos (C); - Honorarium - Research Grant - Consulting - Contracted Research (CI); Carl Zeiss Meditec - Research Grant - Contracted Research (CI); Centervue - Honorarium - Consulting (CI);

Sarao, Valentina
Centervue - Consulting fee - Consultant (CI);

Sarraf, David
See Below (C); Allergan - Bayer - Genentech - Regeneron - Novartis - Optovue - Financial renumeration - Research equipment - Speaker - Consultant - Research Grant (CI);

Schmidt-Erfurth, Ursula
Bayer - Consulting fee - Consultant (CI); Novartis - Consultant fee - Consultant (CI);

Schmitz-Valkenberg, Steffen
Heidelberg Engineering - Research Material - Research sub-investigator (CI);

Schwartz, Stephen
Alimera - Honorarium - Advisory board (CI);

Segal, Ori
Novartis (C); Payment for the medical institute where I work for each patient that was recruited to the study - Payment for the establishment - My role was PI in my establishment (CI);

Semoun, Oudy
Novartis - Bayer (C); Novartis - fee - Consultant (CI); Bayer - Fee - Advisory board (CI);

Singer, Michael
Allergan Genentech Regrneron (C); Allergan - Grants Consultant Honoraria - Consultant research speaking (CI); Genentech - Grants Consultant Honoraria - Consultant research speaking (CI); Regeneron - Grants Honoraria - Consultant research speaking (CI); Ampio - Grants Honoraria - Consultant research speaking (CI); Santen - Honoraria - Consultant (CI);

Smith, David
Truven Health Analytics - Salary - Employment (CI);

So, Joanna
Genentech, Inc. - Salary - Employment (CI);
Souied, Eric
Novartis - Consulting fee - Honoraria - Consulting - Speaking - Teaching - Membership on advisory committees - Board membership (CI); Allergan - Consulting fee - Honoraria - Consulting - Speaking - Teaching - Membership on advisory committees - Board membership (CI); Bayer - Honoraria - Speaking - Teaching (CI);

Spaide, Richard
Topcon Medical systems - Royalties - Consulting fees - Invention - consulting (CI);

Staurenghi, Giovanni
Heidelberg Engineering (C); Heidelberg Engineering - Money - Consultant - Advisor - Grant Support (CI); Optos (C); Optos - Grant Support (CI); Ocular Instruments - Patents - Royalties (CI); Optovue (C); Optovue - Grant Support (CI); Quantel Medical - Consultant - Advisor - Grant Support (CI); Centervue - Grant Support (CI); Carl Zeiss Meditec - Consultant - Advisor (CI); Alcon (C); Alcon - Consultant - Advisor - Lecture fee (CI); Allergan (C); Allergan - Consultant - Advisor - Lecture Fee (CI); Bayer - Consultant - Advisor - Lecture Fee (CI); Boheringer - Consultant - Advisor (CI); Genentech (C); Genentech - Consultant - Advisor (CI); GSK - Consultant - Advisor - Lecture Fee (CI); Novartis - Consultant - Advisor - Lecture Fee (CI); Roche - Consultant - Advisor - Lecture Fee (CI);

Stoilov, Ivaylo
Genentech - salary and Stock options - employee (CI);

Sun, Jennifer
Boston Micromachines - Research support (equipment loan) - Research (CI); Optovue - Research support (equipment loan) - Research (CI);

Tadayoni, Ramin
Novartis - Honoraria - Speaking and teaching - membership on advisory committees or review panels - board membership (CI); Bayer - Honoraria - Speaking and teaching - membership on advisory committees or review panels - board membership (CI); Alcon (C); Honoraria - Speaking and teaching - membership on advisory committees or review panels - board membership (CI); Zeiss - Honoraria - Speaking and teaching - membership on advisory committees or review panels - board membership (CI); Roche - Honoraria - Speaking and teaching - membership on advisory committees or review panels - board membership (CI); Bausch + Lomb (C); Honoraria for Speaking - Honoraria for Teaching - Membership on Advisory Committees or Review Panels (CI); FCI - Honoraria for Speaking - Honoraria for Teaching - Membership on Advisory Committees or Review Panels (CI); Moria - Honoraria for Speaking - Honoraria for Teaching - Membership on Advisory Committees or Review Panels (CI); Allergan (C); Honoraria for Speaking - Honoraria for Teaching - Membership on Advisory Committees or Review Panels (CI); Alimera - Honoraria for Speaking - Honoraria for Teaching - Membership on Advisory Committees or Review Panels (CI); Allergan (C); Honoraria for Speaking - Honoraria for Teaching - Membership on Advisory Committees or Review Panels (CI); Genentech (C); Honoraria for Speaking - Honoraria for Teaching - Membership on Advisory Committees or Review Panels (CI); Thea - Honoraria for Speaking - Honoraria for Teaching - Membership on Advisory Committees or Review Panels (CI);

Tan, Colin
Bayer - Lecture fees - Lecture fees - Conference support (CI); Novartis - Consultant - Lecture fees - Advisory Board - Lecture fees - Conference support (CI);

Tong, Barbara
Genentech Inc - Salary - Stock options - Employment (CI);

Toth, Cynthia
Genentech (C); Biogtigen/Leica - Grant funding - Age-related macular degeneration study (CI); Genentech - Grant funding - Age-related macular degeneration study (CI);

Tu, Elmer
Abbvie - Consulting fee - Consulting (CI);

Tuomi, Lisa
(C); Genentech, Inc. - Salary - Stock - Senior Medical Science Director (CI);
Vajzovic, Lejla
Alcon - Research funding - Clinical trial (CI); Roche - Research funding - Clinical trial (CI); Second Sight - Research funding - Clinical trial (CI); Dutch Ophthalmic - Travel funds - Symposium attendance (CI);

van Hemert, Jano
Optos plc (C); Optos plc - Salart - Research Director (CI);

Varker, Helen
Truven Health Analytics - Salary - For conducting the analysis supporting the abstract as contracted by Genentech (CI);

Waldstein, Sebastian
Novartis - Consulting fee - Consulting (CI); Bayer - Consulting fee - Consulting (CI);

Wang, Pin-wen
Genentech (C); Genentech - Salary - Employment (CI);

Wang, Ricky
Carl Zeiss Meditec Inc - Grant - Grant Support (CI); Carl Zeiss Meditec Inc - Lecture fees - Speaker (CI); Carl Zeiss Meditec Inc - Patents - Inventor (CI);

Wang, Robert
Abbvie - speaking fee - Speaker Program (Humira) (CI); Mallinckrodt - Honorarium - Speaking at national sales meeting (CI);

Warburton, James
Novartis Pharmaceuticals - Salary - I am a full time employee of Novartis Pharmaceuticals (CI);

Weitz, Rishard
Cellview Imaging Inc. - Salary - CEO (CI);

Willis, Jeffrey
Genentech (C); Genentech - Fellowship Stipend - Research Fellow (CI);

Wilson, Kathleen
Genentech Inc. (C); Truven Health Analytics - and IBM company - Truven Health received funding from Genentech to conduct this study - Full time employee of Truven Health Analytics. (CI);

Wong, Doric
Novartis - Bayer - Alcon - Allergan (C); Novartis - Honorarium - Advisory Board (CI); Bayer - Honorarium - Advisory Board (CI); Alcon - Travel funding - Advisory Board (CI); Allergan - Travel funding - Advisory Board (CI);

Wong, Edmund
Alcon - B&L - Bayer - Novartis - Topcon (C); Alcon - Research Grant - lecture fee - travel grant - Honoraria - Principal Investigator - Speaker - Advisory Board Member (ad hoc) (CI); B&L - Lecture fee - Speaker (CI); Bayer - Honoraria - Advisory Board Member (ad hoc) (CI); Novartis - Lecture fee - Speaker (CI); Topcon - Lecture fee - Speaker (CI);

Wong, Tien
Novartis - Grant - Consultant - Lecture fees (CI); Bayer - Grant - Consultant - Lecture fees (CI); Abbott - Consultant (CI); Allergan - Consultant (CI);

Wong, Wai
A provisional patent for the use of tamoxifen for retinal degenerations has been filed by the National Eye Institute, NIH - The authors are co-inventors on the filed provisional patent. (CI);
Wykoff, Charles
Allergan Inc. - Consulting fee - Research Grant - Honoraria - Consulting - Research support - Speaker bureau (CI); Regeneron Pharmaceuticals - Consulting fee - Research Grant - Honoraria - Consulting - Research support - Speaker bureau (CI); Alcon Laboratories, Inc. - Consulting fee - Research Grant - Consulting - Research support (CI); Alimera Sciences - Consulting fee - Consulting (CI); Alnylam Pharmaceuticals - Consulting fee - Consulting (CI); Bayer - Consulting fee - Consultant (CI); Clearside Biomedical, Inc. - Consulting fee - Research grant - Consultant - Research support (CI); Allegro - Research grant - Research support (CI); ONL Therapeutics - Consulting fee - Minor equity - Consulting (CI); Apellis Pharmaceuticals - Research grant - Research support (CI); Iconic Therapeutics - Research grant - Research support (CI); Novartis - Research grant - Research support (CI); pSivida Corp. - Research grant - Research support (CI); Ophthotech Corp. - Research grant - Research support (CI); D.O.R.C. International - Consulting fee - Consultant (CI); Genentech, Inc. - Consulting fee - Consulting (CI); ThromboGenics, Inc. - Consulting fee - Research grant - Consultant - Research support (CI); Valeant - Consulting fee - Consultant (CI); DRCR Network - Research grant - Research support (CI); Santen (C); Santen - Research grant - Research support (CI); Tyrogenex - Research grant - Research support (CI);

Yeh, Steven
Clearside Biomedical - Consulting fee - Consultant (CI); Santen, Inc. - Consulting fee - Consultant (CI);

Ying, Gui-shuang
Janssen Research & Development, LLC - Consulting fee - Statistical Consultant (CI); Chengdu Kanghong Biotech Co., Ltd - Consulting fee - Statistical Consultant (CI);

Yiu, Glenn
Alcon - Grant (C); Allergan - Consultant (C); Carl Zeiss Meditec - Lecture fees (C); Alcon - Grant Support - Independent research (CI); Allergan - Consulting fee - Consulting (CI); Carl Zeiss Meditec - Honoraria - Speaking - Teaching (CI);