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 recurrency of a uveal melanoma 17 years following successful proton beam irradiation
Leonidas Zografos, Alexandre Moulin

3:00 p.m.  Unexpected complication of CSC
Solomon 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
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, Elisha 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.
WEDNESDAY, JUNE 7, 2017

SESSION I
Imaging - Vitreomacular Interface

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 Bobmsack

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
SESSIÓN 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 Angiomatosus 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
Ob 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-Uretsly

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 Bartelmes, 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 Kthurana, 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.
Demetrios 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: João Rafael de Oliveira Dias, Qinqin 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 Rahmani, 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-Valkenburg

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, Léïvia 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 Gavotto, 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
Akitaka 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 Ishida
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 Pears, 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**

7:00 a.m. 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-Marco, Eric Souied, Vittorio Capuano, Oudy Semoun, Nopasak Phasukkijwatanan, David Sarraf, Francesco Bandello*

8:23 a.m. Maculopathy in Patients with Monoclonal Ga.m.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 Tobt*
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, Ayesh Alshukri, 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 Vindne, Joel Hambert, Wiessam 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 Shinohara*

11:26 a.m. Acute CSCR: Risks factors for longer episode duration and recurrence
*Francine Bebar-Cohen, Co-authors: Alexandre Matet, Alejandro 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 Tuberculare 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
*Lihleb 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: Alejandro Daruich, Alexandre Matet, Viet Tran, Veronika Vlclavik, 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 Darwich, 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 Maugé-Fajisse, Co-authors: Thibaud Mathis, 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 Randhawa, 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 myopization 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: Soohyun 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

Collin 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 Granwald, 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
11:07 a.m. Intravitreal Rinucumab+Aflibercept 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”

11:16 a.m. Introduction and Presentation of the Award – Lawrence Sheldon Morse, MD, PhD

11:18 a.m. 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 Marovich

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, Joao 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.a.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.

SriniVas Sadda, MD
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

Bert M. Glaser, MD, 1991
Mark S. Blumenkranz, MD, 1992
Thaddeus P. Dryja, MD, 1993
Carman A. Puliafito, MD, 1994
Matthew A. Thomas, MD, 1995
Peter A. Campochiaro, MD, 1996
Niel M. Bessler, MD, 1997
Edwin M. Stone, MD, 1998
Joan W. Miller, MD, 1999
William E. Smiddy, MD, 2000
Richard F. Spaide, MD, 2001
Susan B. Bessler, MD, 2002
Carol L. Shields, MD, 2002
Lloyd Paul Aiello, MD, PhD, 2003
Jason S. Slakter, MD, 2003

Daniel F. Martin, MD, 2004
Ursula Schmidt-Erfurth, MD, 2005
Timothy G. Murray, MD, MBA, 2005
Anat Loewenstein, MD, 2006
Philip J. Rosenfeld, MD, PhD, 2007
Glenn J. Jaffe, MD, 2007
J. William Harbour, MD, 2008
Timothy W. Olsen, MD, 2010
K. Bailey Freund, MD, 2011
SriniVas R. Sadda, MD, 2012
Rajendra S. Apte, MD, PhD, 2013
Wai T. Wong, MS, PhD, 2014
Michael S. Ip, MD, PhD, 2015
Eric H. Souied, MD, 2016

Peter K. Kaiser, MD

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 Retinal Physician, 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 Zografos, 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.
The 2017 Macula Society
Young Investigator Award and Lecture II
(previously the Richard and Hinda Rosenthal Award)

Gemmy Chui Ming Cheung, MD and Peter K. Kaiser, MD
Presented by Tien Y. Wong, MBBS, M.Med (Ophth), FRCSE, FRANZCO, PhD, MD
Saturday, June 10, 2017 – 9:29 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

Bert M. Glaser, MD, 1991
Mark S. Blumenkranz, MD, 1992
Thaddeus P. Dryja, MD, 1993
Carman A. Puliafito, MD, 1994
Matthew A. Thomas, MD, 1995
Peter A. Campochiaro, MD, 1996
Niel M. Bessler, MD, 1997
Edwin M. Stone, MD, 1998
Joan W. Miller, MD, 1999
William E. Smiddy, MD, 2000
Richard F. Spaide, MD, 2001
Susan B. Bessler, MD, 2002
Carol L. Shields, MD, 2002
Lloyd Paul Aiello, MD, PhD, 2003
Jason S. Slakter, MD, 2003

Daniel F. Martin, MD, 2004
Ursula Schmidt-Erfurth, MD, 2005
Timothy G. Murray, MD, MBA, 2005
Anat Loewenstein, MD, 2006
Philip J. Rosenfeld, MD, PhD, 2007
Glenn J. Jaffe, MD, 2007
J. William Harbour, MD, 2008
Timothy W. Olsen, MD, 2010
K. Bailey Freund, MD, 2011
SriniVas R. Sadda, MD, 2012
Rajendra S. Apte, MD, PhD, 2013
Wai T. Wong, MS, PhD, 2014
Michael S. Ip, MD, PhD, 2015
Eric H. Souied, MD, 2016

Gemmy Chui Ming Cheung, MD

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 A PAO achievement award (2017), A PAO Nakajima Award (2014), A PAO 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

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
The 2017 Evangelos S. Gragoudas Award and Paper

Jeffrey Ryuta Willis, MD
Presented by Lawrence Sheldon Morse, MD, PhD
Saturday, June 10, 2017 – 11:16 a.m.

The Evangelos S. Gragoudas Award and Paper is presented to the Vitreo Retinal fellow, sponsored by an active member, who has the most highly regarded paper either published or in press as determined by the Awards Committee members ranking

Mark Kleinman, MD, 2012
Ruwan Amila Silva, MD, 2013
Glenn C. Yiu, MD, PhD, 2014
John B. Miller, MD, 2015
Yannis M. Paulus, MD, 2015
Ajay E. Kuriyan, MD, 2016

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.