



David Geffen
School of Medicine

UCLA

Stein Eye Institute



DOHENY
EYE INSTITUTE

**UCLA Stein Eye Institute
and Doheny Eye Institute
present the**

International Retinal Imaging Symposium 2018

INTRIS 2018

Tuesday, February 20, 2018

**California NanoSystems Institute
at UCLA**

**570 Westwood Plaza
Los Angeles, CA 90095**

CME OFFICE OF
CONTINUING
MEDICAL
EDUCATION

DAVID GEFEN SCHOOL OF MEDICINE at UCLA

www.cme.ucla.edu



The International Retinal Imaging Symposium 2018 will take place on Tuesday, February 20, 2018 at the California NanoSystems Institute at UCLA and will feature a series of lectures that will focus on the latest developments in retinal imaging, including: adaptive optics, fundus autofluorescence, ultra-widefield imaging, spectral domain and swept source optical coherence tomography (OCT), and OCT angiography. This conference will include a full day of lectures by many of the world's experts in retinal imaging who will speak on recent innovations that have occurred in this rapidly advancing field.

Our world-renowned faculty will aim to familiarize course participants with the newest evolving technologies and will guide and instruct our registrants in the application of these advanced systems and in the interpretation of novel imaging findings. This will help our participants better manage their patients with macular and retinal disease and achieve better patient outcomes in their practices.

We welcome your participation at IntrIS 2018 which promises to provide insight and understanding in retinal imaging and showcase the integral importance of innovative retinal imaging in the evaluation and management of retinal disease.

David Sarraf, M.D.

K. Bailey Freund, M.D.

Srinivas Sadda, M.D.

DIRECTORS

David Sarraf, M.D.
K. Bailey Freund, M.D.

SriniVas Sadda, M.D.

SPEAKERS

Francesco Bandello, M.D.
Emmett Cunningham, M.D.
Christine Curcio, Ph.D.
Kunal Dansingani, M.D.
Justis Ehlers, M.D.
Amani Fawzi, M.D.
K. Bailey Freund, M.D.
James Fujimoto, Ph.D.
Alain Gaudric, M.D.
Andrea Govetto, M.D.
Frank Holz, M.D.
David Huang, M.D., Ph.D.
Jean-Pierre Hubschman, M.D.
Michael Ip, M.D.
Lee M. Jampol, M.D.
Yali Jia, M.D.
Amir Kashani, M.D.
Won Ki Lee, M.D.
Brandon Lujan, M.D.

Tara McCannel, M.D.
William Mieler, M.D.
Kyoko Ohno-Matsui, M.D.
Michel Paques, M.D., Ph.D.
Francesco Pichi, M.D.
Giuseppe Querques, M.D., Ph.D.
Kasra Rezaei, M.D.
Philip Rosenfeld, M.D.
SriniVas Sadda, M.D.
David Sarraf, M.D.
Carol Shields, M.D.
Eric Souied, M.D., Ph.D.
Richard Spaide, M.D.
Sunil Srivastava, M.D.
Giovanni Staurenghi, M.D.
Nadia Waheed, M.D.
Ruikang Wang, Ph.D.
Lawrence Yannuzzi, M.D.
Yuhua Zhang, Ph.D.

MODERATORS

Alexander Brucker, M.D.
K. Bailey Freund, M.D.
Colin A. McCannel, M.D.
Philip Rosenfeld, M.D.
SriniVas Sadda, M.D.
David Sarraf, M.D.

Steven Schwartz, M.D.
Jerry Shields, M.D.
Lawrence Singerman, M.D.
Eric Souied, M.D., Ph.D.
Richard Spaide, M.D.
Lawrence Yannuzzi, M.D.

UCLA STEIN EYE INSTITUTE AND DOHENY EYE CENTER FACULTY

Cataract & Refractive Surgery

John D. Bartlett, M.D.
D. Rex Hamilton, M.D.
Kenneth L. Lu, M.D.
Kevin M. Miller, M.D.

Cornea

Anthony J. Aldave, M.D.
Richard Casey, M.D.
Sophie X. Deng, M.D., Ph.D.
Hugo Y. Hsu, M.D.
John A. Irvine, M.D.
Olivia L. Lee, M.D.
Bartly J. Mondino, M.D., Chairman

Glaucoma

Joseph Caprioli, M.D.
Vikas Chopra, M.D.
Anne L. Coleman, M.D., Ph.D.
Brian A. Francis, M.D.
JoAnn A. Giacony, M.D.
Alex A. Huang, M.D., Ph.D.
Simon K. Law, M.D.
Kouros Nouri-Mahdavi, M.D.
James C. Tan, M.D., Ph.D.

Neuro-Ophthalmology

Anthony C. Arnold, M.D.
Lynn K. Gordon, M.D., Ph.D.
Peter A. Quiros, M.D.
Alfredo A. Sadun, M.D., Ph.D.

Oculoplastics

Robert A. Goldberg, M.D.
Daniel B. Rootman, M.D.

Oncology

Tara A. McCannel, M.D.

Pathology

Ben Glasgow, M.D.

Pediatric Ophthalmology

Joseph L. Demer, M.D., Ph.D.
Sherwin J. Isenberg, M.D.
Stacy L. Pineles, M.D.
Federico G. Velez, M.D.

Retina

Michael B. Gorin, M.D., Ph.D.
Gad Heilweil, M.D.
Jean Pierre Hubschman, M.D.
Michael S. Ip, M.D.
M. Ali Khan, M.D.
Phillip Le, M.D. Ph.D.
Colin A. McCannel, M.D.
Tara A. McCannel, M.D.
Pradeep S. Prasad, M.D.
SriniVas R. Sadda, M.D.
David Sarraf, M.D.
Steven D. Schwartz, M.D.
Irena Tsui, M.D.

Uveitis

Gary N. Holland, M.D.
Ralph D. Levinson, M.D.

IntRIS 2018 Program

6.15 – 6.45 AM REGISTRATION AND CONTINENTAL BREAKFAST	
INNOVATIONS I	MODERATOR: Srinivas Sadda, M.D.
7.00 – 7.10	Classification of Lesion Signatures Using OCT and Artificial Neural Networks <i>Kunal Dansingani, M.D.</i>
7.10 – 7.20	Fluorescence Lifetime Imaging Ophthalmoscopy: Alzheimer's and Beyond <i>Srinivas Sadda, M.D.</i>
7.20 – 7.30	An Introduction to Color Autofluorescence <i>Giovanni Staurenghi, M.D.</i>
7.30 – 7.40	Discussion
INNOVATIONS II	MODERATOR: K. Bailey Freund, M.D.
7.40 – 7.50	Detecting Flow Impairment Using VISTA OCTA <i>James Fujimoto, Ph.D.</i>
7.50 – 8.00	3D Projection Resolved OCT Angiography <i>Yali Jia, M.D.</i>
8.00 – 8.10	Dense B-Scan OCT Angiography <i>K. Bailey Freund, M.D.</i>
8.10 – 8.20	Discussion
ANATOMY	MODERATOR: Richard Spaide, M.D.
8.20 – 8.30	The Neurovascular Unit in Macular Disease <i>Richard Spaide, M.D.</i>
8.30 – 8.40	Is the Deep Retinal Capillary Plexus a Venous Outflow System? <i>David Sarraf, M.D.</i>
8.40 – 8.50	Tractional Abnormalities of the Foveal Bouquet: Role of the Müller Cells <i>Andrea Govetto, M.D.</i>
8.50 – 9.00	Microcystic Maculopathy: OCT Imaging to Guide Surgical Prognosis <i>Jean Pierre Hubschman, M.D.</i>
9.00 – 9.10	Discussion
CHORIOCAPILLARIS	MODERATOR: Philip Rosenfeld, M.D.
9.10 – 9.20	OCTA Imaging of the Choriocapillaris <i>Ruikang Wang, Ph.D.</i>
9.20 – 9.30	Quantifying Choriocapillaris Flow Voids Using Swept Source OCT Angiography <i>Philip Rosenfeld, M.D.</i>
9.30 – 9.40	Discussion
ADAPTIVE OPTICS	MODERATOR: Steven Schwartz, M.D.
9.40 – 9.50	Adaptive Optics Imaging of Vasomotricity <i>Michel Paques, M.D., Ph.D.</i>
9.50 – 10.00	Hemodynamics of the Human Retinal Capillary System: High Speed Ophthalmoscopy <i>Yuhua Zhang, Ph.D.</i>
10.00 – 10.10	Discussion
10.10 – 10.30 BREAK	
NON-NEOVASCULAR AMD	MODERATOR: Eric Souied, M.D., Ph.D.
10.30 – 10.40	Photoreceptor Degeneration and Gliosis in Geographic Atrophy of AMD <i>Christine Curcio, Ph.D.</i>
10.40 – 10.50	Imaging Geographic Atrophy: More than Just RPE Loss <i>Brandon Lujan, M.D.</i>
10.50 – 11.00	Predicting Geographic Atrophy Progression by Image Analysis <i>Frank Holz, M.D.</i>
11.00 – 11.10	Vascularized Drusen and the Widefield Display of OCT Data <i>Nadia Waheed, M.D.</i>
11.10 – 11.20	Discussion
NEOVASCULAR AMD	MODERATOR: David Sarraf, M.D.
11.20 – 11.30	Quantitative PR-OCTA in the Longitudinal Evaluation of CNV Treatment Response <i>David Huang, M.D., Ph.D.</i>
11.30 – 11.40	Flow Remodeling of CNV Visualized by OCTA <i>Eric Souied, M.D., Ph.D.</i>
11.40 – 11.50	Multimodal Imaging of Nascent Type 3 Neovascularization <i>Giuseppe Querques, M.D., Ph.D.</i>
11.50 – 12.00	Discussion

DIABETES I		MODERATOR: Alexander Brucker, M.D.
12.00 – 12.10	Projection Resolved OCTA in the Ischemic Macula: DRIL, PAMM and AMN <i>Amani Fawzi, M.D.</i>	
12.10 – 12.20	Retinal Layer Thickness, Vascular Density and Visual Acuity in Diabetic Retinopathy <i>Francesco Bandello, M.D.</i>	
12.20 – 12.30	DME Correlates with Retinal Vascular Surface Area on Wide Field FA: DAVE Study <i>Michael Ip, M.D.</i>	
12.30 – 12.40	Diabetic Retinopathy Severity and Quantitative Angiography <i>Justis Ehlers, M.D.</i>	
12.40 – 12.50	Discussion	
12.50 – 1.30	LUNCH	
DIABETES II		MODERATOR: Lawrence Singerman, M.D.
1.30-1.40	Suspended Scattering Particles in Motion (SSPIM): A Novel OCT Angiographic Finding <i>Amir Kashani, M.D.</i>	
1.40-1.50	Changes in Peripheral Retinal Perfusion in Diabetic Retinopathy Treated by Anti-VEGF <i>Alain Gaudric, M.D.</i>	
1.50-2.00	Ultra-Wide Field OCTA for Evaluation of Diabetic Retinopathy <i>Kasra Rezaei, M.D.</i>	
2.00-2.10	Discussion	
MYOPIA AND MISCELLANEOUS		MODERATOR: Colin A. McCannel, M.D.
2.10-2.20	Wide-Field OCT of Myopic Traction Maculopathy and Association with Eye Shape <i>Kyoko Ohno-Matsui, M.D.</i>	
2.20-2.30	Choroidal Morphology in Eyes with Peripapillary Polypoidal Choroidal Vasculopathy <i>Won Ki Lee, M.D.</i>	
2.30-2.40	Mechanisms and Natural Course of Drusenoid PEDs: A Multimodal Imaging Analysis <i>Lawrence Yannuzzi, M.D.</i>	
2.40-2.50	Retinal Venous Malformations: Important New MRI Findings <i>Francesco Pichi, M.D.</i>	
2.50-3.00	Discussion	
INFLAMMATION		MODERATOR: Lawrence Yannuzzi, M.D.
3.00-3.10	Advanced Imaging of White Spot Syndromes <i>Lee Jampol, M.D.</i>	
3.10-3.20	Multimodal Manifestations of Checkpoint Inhibitor-Induced Uveitis <i>Emmett Cunningham, M.D.</i>	
3.20-3.30	Automated Imaging Quantification of Inflammation in the Management of Uveitis <i>Sunil Srivastava, M.D.</i>	
3.30-3.40	Discussion	
TUMORS		MODERATOR: Jerry Shields, M.D.
3.40-3.50	OCT of Retinoblastoma Shows Tumor Origin in Inner Nuclear Layer <i>Carol Shields, M.D.</i>	
3.50-4.00	Multimodal Imaging of Complications Due to Brachytherapy for Uveal Melanoma <i>William Mieler, M.D.</i>	
4.00-4.10	A New Ultra-Wide Field Angiographic Grading Scheme for Radiation Retinopathy after Brachytherapy Plaque <i>Tara McCannel, M.D.</i>	
4.10-4.20	Discussion	
4.30-5.00	RECEPTION AT THE STEIN EYE INSTITUTE	
5.00-5.30	TOUR OF THE STEIN EYE INSTITUTE	

Doheny/Stein Case Conference (DSCC)

Please also join us for the Doheny/Stein Case Conference (DSCC) to take place in the RPB Auditorium at the Stein Eye Institute on Wednesday, February 21, 2018 from 7:30AM to 11:30AM. Each case presentation will include diagnostic and/or management dilemmas. DSCC registration is a separate fee from the InTRIS 2018 registration. Please go to www.cme.ucla.edu/courses and click on "Doheny/Stein Case Conference" to register.

COURSE OBJECTIVES

At the conclusion of this course, participants will be able to:

- Integrate advanced OCT imaging, including en face OCT and OCT angiography, into clinical practice to better diagnose and manage patients with macular disease
- Integrate advanced retinal imaging including fundus autofluorescence and wide field angiography into clinical practice to better evaluate and manage patients with retinal disease
- Apply novel imaging systems including adaptive optics to better understand the mechanisms of macular disease
- Gain knowledge of the new imaging findings of macular diseases including age-related macular degeneration and diabetic retinopathy as well as other less common retinal disorders
- Gain knowledge of the anatomy of the retinal capillary system and its importance in macular diseases using advanced retinal imaging
- Gain knowledge of the Müller cell and its importance in macular diseases using advanced retinal imaging
- Apply advanced retinal imaging in the evaluation of choroidal tumors

ACCREDITATION

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, designates this continuing medical education activity for a maximum of 8.25 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

UCLA CONFLICT OF INTEREST DISCLOSURE

The FDA has issued a concept paper which classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is “truly independent” and free of commercial influence. In addition to independence, the FDA requires that non-promotional, commercially supported education be objective, balanced, and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program's participants. In addition, the Accreditation Council for Continuing Medical Education policy mandates that the provider adequately manage all identified potential conflicts of interest prior to the program. We, at UCLA, fully endorse the letter and spirit of this concept.

PARKING AND DIRECTIONS

From the 405 freeway, exit on Wilshire Blvd. East. Proceed on Wilshire Blvd. to Westwood Blvd. and make a left. Proceed north on Westwood Blvd., turn right on Charles E. Young Drive South and continue ½ a block. Turn left into Lot 9. There will be a parking attendant selling permits from 5:45-7:45AM. If you arrive outside of this time frame, please visit the parking kiosk on Westwood Plaza to pay for your parking permit. Participants are responsible to pay for their own parking charges at a rate of \$12 per vehicle, cash only.

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Los Angeles, CA 90024
Within walking distance
Reservations: (310)794-0151

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Los Angeles, California 90024
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W Los Angeles – WESTWOOD HOTEL
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Los Angeles, California, 90024
Within walking distance
Reservations: (310) 208-8765

UCLA Meyer & Renee Luskin Conference Center
425 Westwood Plaza
Los Angeles, California 90095
Reservations: (855) 522-8252

REGISTRATION

**UCLA Stein Eye Institute and
Doheny Eye Institute present the**

**International Retinal Imaging
Symposium 2018**

INTRIS 2018
February 20, 2018

Registration Fee:

Please make checks payable to UC Regents or pay by credit card
(complete form below)

Tuesday, February 20, 2018

☐ IntRIS 2018 Registration Fee: \$350.00

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Cancellation Policy:

A handling fee of \$75 will be deducted from each cancelled registration.

No refund for cancellation after January 19, 2018.

Submit registration to:

UCLA Office of Continuing Medical Education
10920 Wilshire Blvd., Suite 1060, Los Angeles, CA 90024
Telephone: (310) 794-2620

or register online at www.cme.ucla.edu

E-mail: uclacme@mednet.ucla.edu

UCLA Office of Continuing Medical Education

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