

# SCIENTIFIC PROGRAM

Friday, 16 Feb. 2018

08:30 Welcome and Introduction **Richard F. Spaide**

08:35 New Developments in OCT and OCTA Imaging - 1 **Chair: Wolfgang Drexler, MS, PhD**

- Novel akinetic swept-source technology for widefield OCTA and cellular resolution retinal imaging **Wolfgang Drexler**
- Speleological exploration of the posterior pole **Michael Larsen**
- Development of a computational method for comparison of information from EDI-OCT and OCTA scans **Anne-Sofie Wessel Lindberg**
- Navier-Stokes Fluid Dynamic Simulation of Intra-Retinal and Choroidal Blood Flow Based on Triangle Mesh Segmentation of Swept Source OCT and OCT-A Data **Carl Glittenberg**
- Discussion

09:40 New Developments in OCT and OCTA Imaging - 2 **Chair: James G. Fujimoto, PhD**

- Assessing flow impairment using ultrahigh speed swept source OCT angiography **James G. Fujimoto**
- Performance comparisons between Swept-Source (SS) and Spectral-Domain (SD) OCTs and the development of a SS-OCT reference database **Charles Reisman**
- Qualitative penetration comparison between 1050 nm wavelength Swept Source OCT and conventional 840nm wavelength Spectral Domain OCT through opaque media and pathological structures **Carl Glittenberg**
- Discussion

10:35 Break

11:05 Age Related Macular Degeneration - 1 **Chair: Srinivas Sadda, MD**

- SS-OCT and OCT-A in dry AMD and GA **Srinivas Sadda**
- Microperimetry in Age-related Macular Degeneration: Association with macular morphology assessed by Optical Coherence Tomography **Ines Lains**
- Sensitivity of OCT Angiography in detecting type 1 neovascularization according to the height of the associated pigment epithelial detachment **Sarah Mrejen**
- Detection of treatment-naive choroidal neovascularization in Age-Related Macular Degeneration by swept source Optical Coherence Tomography Angiography **Martin Stattin**
- Discussion

12:05 Age Related Macular Degeneration - 2 **Chair: Eric Souied, MD, PhD**

- Will OCTA replaced FA for exudative AMD? **Eric Souied**
- Quantitative and qualitative assessment OCTA in wAMD **Florence Coscas**
- Does the size matter in quantitative optical coherence tomography angiography? **Guiseppe Querques**
- Assessment of CNV activity with OCT-angiography **Luis Arias**
- Discussion

13:15 Lunch

14:20 Understanding OCTA **Chair: Richard F. Spaide, MD**

- Choriocapillaris flow **Richard F. Spaide**
- Prospective multicenter study to compare OCT angiography and dye-based angiography in retinochoroidal diseases **Yuichiro Ogura**
- Agreement of swept source optical coherence tomography angiographies for Polypoidal Choroidal Vasculopathy diagnosis and neovascular activity evaluation **Martine Mauget-Fajsse**
- OCT Angiography assessment of changes of CC and choroid changes during development of CNV **Diogo Cabral**
- Discussion

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- 15:25** Clinical Application of OCTA - 1 **Chair: Magdy Moussa, MD**
- Mystery Retina: when OCTA is the clue **Magdy Moussa**
  - Detection of secondary choroidal neovascularization in chronic Central Serous Chorioretinopathy with swept source Optical Coherence Tomography Angiography **Martin Stattin**
  - Focal hypo-fluorescent areas on late-phase ICGA are risk factors for subsequent serous retinal detachment in fellow eyes of central serous chorioretinopathy **Ari Shinojima**
  - Detecting asymptomatic choroidal neovascularization in non-exudative AMD using Swept Source OCT - Angiography **Khaled El Matri**
  - Discussion
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**16:25** Break

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- 16:55** Clinical Application of OCTA - 2 **Chair: Kyoko Ohno-Matsui, MD, PhD**
- Optical Coherence Tomography Angiography Findings in Perifoveal Exudative Vascular Anomalous Complex **Salomon Yves Cohen**
  - OCT angiographic findings of myopic CNV **Kyoko Ohno-Matsui**
  - Management algorithm of intravitreal injections is a result of a location of choroidal neovascular membrane **Andrzej Lipinski**
  - Swept-Source Optical Coherence Tomography Angiography features of choroidal neovascularization secondary to Angioid Streaks **Alexandra Miere**
  - Idiopathic Macular Telangiectasia Type 2 with scanning optical coherence tomography angiography (swept source) **Rene Cano**
  - Discussion
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**18:00** Poster Session - 1

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**18:45** Reception with drinks and canapes

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**19:30** Close

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**Saturday, 17 Feb. 2018**

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- 08:00** Investigating the Choroid **Chair: Alain Gaudric, MD**
- Topographic variations of choroidal thickness on swept-source OCT in healthy eyes **Alain Gaudric**
  - Analysis of choroidal morphologic features using swept source OCT **Shozo Sonoda**
  - Choroidal thickness and its diurnal change in healthy population **Nataliya Semenova**
  - The relationship of retinal and choroidal thickness to central and peripheral retinal function in Retinitis Pigmentosa **Harvey Uy**
  - Study of choroidal vascularity index in keratoconus patients vs. healthy controls using swept-source optical coherence tomography-based binarization techniques **Rosa Gutiérrez Bonet**
  - Discussion
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- 09:10** Deep Range Imaging of Tumors **Chair: Catherine Favard, MD**
- SS-OCT and SS-AOCT contribution to the diagnosis of choroidal tumors **Catharine Favard**
  - Optical coherence tomography angiography (OCTA) characteristics of intraocular tumours **Pradeep Sagar**
  - Swept-source optical coherence tomographic findings in eyes with choroidal osteoma **Maria Oliva Grassi**
  - OCT angiography as a tool to assess early response to therapy in intra ocular tumours **Pradeep Sagar**
  - Diagnosing chiasmal tumors by SD-OCT **Umur Kayabashi**
  - Discussion
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**10:10** Break

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- 10:40** SS OCT in Glaucoma - 1 **Chair: Donald C. Hood, PhD**
- Diagnosing and understanding glaucomatous damage based upon a single ssOCT wide-field scan **Donald C. Hood**
  - Using ssOCT to minimize reliance on perimetry for glaucoma diagnosis in clinical practice **Jeffrey M. Liebmann**
  - Role of ocular blood flow in the deep layers of the optic nerve head in glaucoma **Toru Nakazawa**
  - Optic nerve head characteristics in chronic angle closure glaucoma **Lucy Shen**
  - Discussion
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- 11:50** SS OCT in Glaucoma - 2 **Chair: Jeffrey M. Liebmann, MD**
- Comparison of scleral ring area, Bruch's membrane opening area, and optic disc area measured by a swept-source OCT and a spectral-domain OCT in patients with myopia and glaucoma **Ying Dong**
  - OCT-Angiography analysis of peripapillary flow density in patients with Primary Open-Angle Glaucoma under therapy with Tafluprost **Robert Kromer**
  - Asymmetry in the macular ganglion cell complex thickness in glaucoma **Umur Kayabashi**
  - Discussion
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**12:40** Lunch

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**13:40** Poster Session - 2

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- 14:25** OCT Insights **Chair: José M<sup>a</sup> Ruiz Moreno, MD, PhD**
- Quantification of geographic atrophy associated to AMD: automatic software **José M<sup>a</sup> Ruiz Moreno**
  - Swept Source OCT en-face imaging of vitreous cavity reveals topographic relationship of premacular bursa, Cloquet's canal, prevascular vitreous fissures and cisterns **Michael Englebert**
  - Retinal macular involvement in Fabry's disease detected by Swept Source OCT angiography (SSOCTA) and focal electroretinogram (fERG) **Angelo Maria Minnella**
  - Discussion
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**15:15** Break

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- 15:45** Imaging Uveitis **Chair: Moncef Khairallah, MD**
- SS OCT angiography and uveitic macular edema **Moncef Khairallah**
  - Role of swept source OCT and OCT angiography in the diagnosis of Not-Dots Uveitis diseases **Alfredo Adán**
  - Evidence of choriocapillaris hypoperfusion on swept-source optical coherence tomography angiography in multiple evanescent white dot syndrome **Moncef Khairallah**
  - SS-OCT choroidal thickness measurement in convalescent/quiescent Vogt-Koyanagi-Harada disease **Olga Garcia-Garcia**
  - Discussion
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- 16:40** Diabetes and Other Vascular Diseases **Chair: Ramin Tadayoni, MD, PhD**
- Normal to abnormal retinal capillaries in diabetic retinopathy through the lens of OCTA **Ramin Tadayoni**
  - Characterization of the initial stages of diabetic retinal disease using OCT and OCTA **Jose Cunha-Vaz**
  - Diffuse diabetic macular edema: the various pathogeneses and durable therapies **Avinoam Ophir**
  - Correlation between choroidal thickness and OCT-A in diabetic patients using Triton swept source OCT **Nihal A. Hassan**
  - An alternative treatment for retinal artery macroaneurysm evaluated with swept-source optical coherence tomography and angiography **Maria Oliva Grassi**
  - Discussion
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**17:50** Competition prize giving and closing remarks

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**18:00** Close

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