

**ARVO 2017 · May 7-11 · Baltimore**  
Poster and paper session recommendations by Heidelberg Engineering

**Retina**

**A0028**

**Lesion area, perimeter and diameter as prognostic markers for the progression of geographic atrophy (GA) secondary to age-related macular degeneration**

Lukas Goerdt

 Sun, May 07  8:30am - 10:15am

**A0036**

**Fundus autofluorescence from drusen is spectrally different from that of lipofuscin**

Martin Hammer

 Sun, May 07  8:30am - 10:15am

**A0090**

**Diabetic retino-choroidopathy: automated morphofunctional assessment**



Marco Lupidi

 Mon, May 08  11:00am - 12:45pm

**1582**

**Comparison of Fundus quantitative Autofluorescence (qAF) Analysis on Heidelberg Eye Explorer (HEYEX) and IGOR Pro QuantAF Software**

Ryan Larochelle

 Mon, May 08  12:15pm - 12:30pm, Ballroom 3

**B0285**

**Retinal Vascular Abnormalities in a Large Cohort of Patients Affected by Neurofibromatosis Type-1: a Study Using OCT-angiography**

Raffaele Parrozzani

 Tue, May 09  3:45pm - 5:30pm

**Retina**

**A0374**

**Near-Infrared Autofluorescence in Choroideremia: anatomical and functional correlations**

Anna Paola Salvetti

 Wed, May 10  3:45pm - 5:30pm

**A0392**

**Optical coherence tomography angiography (OCT-A) in an animal model for laser-induced choroidal neovascularization**

Johanna Meyer

 Wed, May 10  3:45pm - 5:30pm

**Glaucoma**

**B0446**

**Diagnostic accuracy of optic disc, macular and retinal nerve fiber layer analysis by means of SD-OCT at different stages of the glaucoma disease: Multicentric Italian Glaucoma Imaging Study (MIGIS).**

Manuele Michelessi, Ivano Riva, Stefano Miglior, Luciano Quaranta, Enrico Martini, Paolo Frezzotti, Michele Figus, Gianluca Manni, Luca Agnifili, Chiara Posarelli, Luigi Calandriello, Francesco Oddone

 Sun, May 07  1:30pm - 3:15pm

**A0066**

**Reproducibility of Minimum Rim Width and Retinal Nerve Fiber Layer Thickness Measurements using the Anatomic Positioning System in Patients with Glaucoma and Normal Controls**

Lalita Gupta, Priyanka Gogte, Safa Siraj, Scott S. Fudenberg, Anand V. Mantravadi, Lisa A. Hark, L Jay Katz, Michael Waisbourd

 Mon, May 08  8:30am - 10:15am



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**Glaucoma**

**1585**

**The African Descent and Glaucoma Evaluation Study (ADAGES): Racial differences in rate of change of SD-OCT measured minimum rim width and retinal nerve fiber layer thickness**



Christopher Bowd, Linda M. Zangwill, Christopher A. Girkin, Jeffrey M. Liebmann, Robert N. Weinreb, Akram Belghith

 **Mon, May 08**  **11:00 am – 12:45 pm, Ballroom 4**

**1588**

**Rates of Local Retinal Nerve Fiber Layer (RNFL) Thinning before and after Disc Hemorrhage (DH) in Glaucoma Patients**



Tadamichi Akagi, Linda M. Zangwill, Luke J. Saunders, Adeleh Yarmohammadi, Patricia Isabel C. Manalastas, Min Hee Suh, Felipe Medeiros, Christopher A. Girkin, Jeffrey M. Liebmann, Robert N. Weinreb

 **Mon, May 08**  **11:00am - 12:45pm, Ballroom 4**

**2456**

**Optic Nerve Head (ONH) In Vivo Biomechanics Assessed by Quantification of the IOP Fluctuations caused by the Ocular Pulse Pressure (OPP)**

Massimo A. Fazio, Mark E. Clark, Christopher A. Girkin

 **Tue, May 09**  **8:30am - 10:15am, Ballroom 3**

**A0302**

**OCT can be used to assess optic nerve damage in most eyes with high myopia without the need for a high myopia normative group.**

Zane Z. Zemorain, Ravivarn Jarukasetphon, Daiyan Xin, Sherief Raouf, Robert Ritch, Donald Hood

 **Wed, May 10**  **8:30am - 10:15am**

**A0318**

**Reproducibility of Bruch's membrane opening-minimum rim width measurements with Spectralis optical coherence tomography**

Jiwoong Lee, Keunheung Park

 **Wed, May 10**  **8:30 am – 10:15 am**

**Glaucoma**

**A0324**

**The African Descent and Glaucoma Evaluation Study (ADAGES): Racial differences in the posterior displacement of the anterior lamellar cribrosa surface depth**

Akram Belghith, Christopher A. Girkin, Robert N. Weinreb, Felipe Medeiros, Christopher Bowd, Jeffrey M. Liebmann, Massimo A. Fazio, Linda M. Zangwill

 **Wed, May 10**  **8:30 am – 10:15 am**

**C 0106**

**Non-retinal nerve fibre layers within the optic nerve head neuroretinal rim**



Lucas A. Torres, Jayme R. Vianna, Faisal S. Jarrar, Ziad Butty, Glen P. Sharpe, Donna M. Hutchison, Marcelo T. Nicolela, Balwantray C. Chauhan

 **Wed, May 10**  **8:30 am – 10:15 am**

**3770**

**Aqueous Angiography: Real-time, Live Human and Non-Human Primate Aqueous Humor Out-flow Imaging**

Alex S. Huang, Meng Li, Diya Yang, Ben Xu, Andrew Camp, Huaizhou Wang, Ningli Wang, Robert N. Weinreb

 **Wed, May 10**  **8:30am - 10:15am, Ballroom 4**

**Anterior Segment - Confocal Microscopy**

**B0081**

**Concepts for automated fast focal plane control in subbasal nerve plexus mosaicking to reliably quantify a biomarker for diabetic peripheral neuropathy**

Sebastian Bohn

 **Mon, May 08**  **8:30am – 10:15am**

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**Anterior Segment - Confocal Microscopy**

**B0133**

**In Vivo Confocal Microscopy Demonstrates Bilateral Corneal Endothelial Cell Loss in Patients with Unilateral Herpes Zoster Ophthalmicus**

Pedram Hamrah

 **Mon, May 08**  **8:30am – 10:15am**

**A0254**

**Clinical Signs of Dry Eye Disease are Correlated to Peripheral Corneal Immune Cell Alterations by In Vivo Confocal Microscopy**

Paula Kataguri

 **Tue, May 09**  **8:30am – 10:15am**

**A0269**

**Evaluation of the corneal epithelium in non-Sjögren's and Sjögren's dry eyes: An in vivo confocal microscopy study using the HRT III RCM**

Tudor Tepelus

 **Tue, May 09**  **8:30am – 10:15am**

**A0284**

**In Vivo Confocal Microscopy Demonstrates Intranasal Neurostimulation-Induced Goblet Cell Alterations in Patients with Dry Eye Disease**

Gabriela Dieckmann

 **Tue, May 09**  **8:30am – 10:15am**

**A0382**

**Detection of corneal subbasal nerve plexus changes in patients with multiple myeloma under immunomodulative therapy by Confocal Laser Scanning Microscopy**

Anita Koschmieder



 **Tue, May 09**  **3:45pm-5:30pm**

**Anterior Segment - Confocal Microscopy**

**3753**

**In Vivo Confocal Microscopy in Patients with Dry Eye Disease Demonstrates Decreased Peripheral Corneal Nerve Density and Correlation to Clinical Signs**

Adam Tanaka

 **Wed, May 10**  **9:45am-10:00am, Ballroom 2**

**Fluorescence Lifetime Imaging**

**B0344**

**Intravitreal transduction profile of recombinant adeno-associated virus in murine and human retina**

Kristina Ertel

 **Sun, May 07**  **8:30am - 10:15am**

**B0314**

**Quantitative fundus autofluorescence associated with a diseased Bruch membrane in pseudoxanthoma elasticum**

Martin Gliem

 **Tue, May 09**  **3:45pm - 5:30pm**

**3399**

**Time-resolved fundus autofluorescence in dry age-related macular degeneration**

Lydia Sauer

 **Tue, May 09**  **4:00pm - 4:15pm, Hall G**

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## Fluorescence Lifetime Imaging

**B0088**

**Riboswitch-mediated modulation of transgene expression following rAAV delivery to the mouse retina**

Chris Reid

 **Wed, May 10**  **8:30am - 10:15am**

**B0524**

**Longitudinal Analysis of Quantitative Autofluorescence in Recessive Stargardt Disease (STGD1)**

Kaspar Schuerch

 **Wed, May 10**  **11:00am - 12:45pm**

**B0528**

**Quantitative Autofluorescence and Visual Function in ABCA4-associated Retinopathy**

Philipp Mueller

 **Wed, May 10**  **11:00am - 12:45pm**

**A0398**



**Fluorescence lifetime measurements during laser-induced wound healing of retinal pigment epithelial cells**

Yoko Miura

 **Wed, May 10**  **3:45pm - 5:30pm**




## Schedule for all recommendations

**Sunday, May 07**




-  **8:30 am – 10:15 am:**  
Poster session: Retina (A0028, A0036)  
Poster session: Fluorescence Lifetime Imaging (B0344)
-  **1:30 pm – 3:15 pm:**  
Poster session: Glaucoma (B0446)

## Schedule for all recommendations





**Monday, May 08**

-  **8:30 am – 10:15 am:**  
Poster Session: Glaucoma (A0066)  
Poster Session: Anterior Segment Confocal Microscopy (B0081, B0133)
-  **11:00 am – 12:45 pm:**  
Poster Session: Retina (A0090)  
Paper Session: Glaucoma (1585, 1588) (Ballroom 4)
-  **12:15 pm – 12:30 pm:**  
Paper Session: Retina (1582) (Ballroom 3)

**Tuesday, May 09**

-  **8:30 am – 10:15 am:**  
Paper session: Glaucoma (2456) (Ballroom 3)  
Poster session: Anterior Segment Confocal Microscopy (A0254, A0269, A0284)
-  **3:45 pm – 5:30 pm:**  
Poster Session: Retina (B0285)  
Poster session: Anterior Segment Confocal Microscopy (A0382)  
Poster Session: Fluorescence Lifetime Imaging (B0314)
-  **4:00 pm – 4:15 pm:**  
Paper Session: Fluorescence Lifetime Imaging (3399) (Hall G)

**Wednesday, May 10**

-  **8:30 am – 10:15 am:**  
Poster Session: Glaucoma (A0302, A0318, A0324, C0106)  
Poster Session: Fluorescence Lifetime Imaging (B0088)  
Paper Session: Glaucoma (3770) (Ballroom 4)
-  **9:45 am – 10:00 am:**  
Paper Session: Anterior Segment Confocal Microscopy (3753) (Ballroom 2)
-  **11:00 am – 12:45 pm:**  
Poster Session: Fluorescence Lifetime Imaging (B0524, B0528)
-  **3:45 pm – 5:30 pm:**  
Poster Session: Retina (A0374, A0392)  
Poster Session: Fluorescence Lifetime Imaging (A0398)