

*University of Iowa Department of Ophthalmology and Visual Sciences
Presentations and Posters at ARVO 2018*

Sunday, April 29

8:15 AM - 10 AM. *Andreas Christian Borta, **Oliver W. Gramlich**, Kimberly Miller, Cheyanne Godwin, Remko Bakker, **Markus H. Kuehn**. Elevated Expression of AOC3 in Human Eyes with NPDR.* Poster #C0005 Abstract #194. Location: Exhibit Hall.

1 PM - 2:30 PM. *Christine N. Kay, Isabelle S. Audo, Mark E. Pennesi, Robert E. MacLaren, **Stephen R. Russell**. Update on clinical gene therapy trials for inherited retinal diseases.* SIG. Location: Room 311.

1 PM - 2:45 PM. ***Oliver W. Gramlich**, Kasra Zarai, Alexander J. Brown, **Randy H. Kardon**. Early Visual Biomarkers in a Mouse Model of Multiple Sclerosis.* Poster #B0292 Abstract #620. Location: Exhibit Hall.

Monday, April 30

8:15 AM - 10 AM. ***Jessica M. Skeie, Benjamin Aldrich, Anna E. Wilcox, Gregory A. Schmidt, Cynthia R. Reed, Mark A. Greiner**. Reduced Fission and Mitophagy in Diabetic Corneal Endothelial Cells Impair Mitochondrial Health.* Poster #B0117 Abstract #1357. Location: Exhibit Hall.

11:15 AM - 1 PM. *Bruno Lay, **Christine W. Sindt**, Ronan Danno. Comparing scleral contact lenses generated by impression technology vs Scheimpflug images.* Poster #B0078 Abstract #1763. Location: Exhibit Hall.

11:15 AM - 1 PM. *Bruno Lay, **Christine W. Sindt**, Ronan Danno. Repeatability and Validation of Scheimpflug Scleral Data.* Poster #B0089 Abstract #1774. Location: Exhibit Hall.

11:15 AM - 1 PM. ***Sacha Luigi Naso, Audrey Nguyen, Randy H. Kardon, Aki K. Kawasaki**. Correlation of Functional and Structural Changes in non Proliferative Diabetic Retinopathy.* Poster #C0303 Abstract #1903. Location: Exhibit Hall.

3:30 PM - 5:15 PM. ***Kasra Zarei, Sabina David, Claudia Pfleger, Dalia Berman, Pieter Poolman, Oliver W. Gramlich, Jane Bailey, Randy H. Kardon**. Smartphone App Visual Function Tests in Multiple Sclerosis Patients With and Without Optic Neuritis.* Poster #A0355 Abstract #2186. Location: Exhibit Hall.

3:30 PM - 5:15 PM. ***John William Miller, Jui-Kai Wang, Matthew Thurtell, Randy H. Kardon, Mona K. Garvin**. Differentiation between papilledema and nonarteritic anterior ischemic optic neuropathy using retinal layer shape and regional volume features in spectral-domain optical coherence tomography.* Poster #A0365 Abstract #2196. Location: Exhibit Hall.

3:30 PM - 5:15 PM. *Jui-Kai Wang, Jason Agne, Qingyang Su, Randy H. Kardon, Mona K. Garvin.* **Automated Detection of Retinal Folds in Papilledema Using En-Face Spectral-Domain Optical Coherence Tomography.** Poster #A0366 Abstract #2197. Location: Exhibit Hall.

Tuesday, May 1

1:30 PM - 3 PM. *Ningli Wang, Val C. Sheffield, Zhijian Wu, Markus Kuehn, Ting Xie.* **Gene Therapy of Glaucoma.** SIG. Location: Room 315.

3:30 PM - 5:15 PM. *Nicole Morrow, Matthew Benage, Mark A. Greiner.* **Clinical characteristics and outcomes of conjunctival melanoma.** Poster #A0306 Abstract #3645. Location: Exhibit Hall.

3:30 PM - 5:15 PM. *Markus H. Kuehn, Oliver W. Gramlich, John H. Fingert, Young H. Kwon, Wallace L M Alward.* **Transfer of peripheral blood mononuclear cells from human glaucoma patients to NOD/scid gamma mice elicits loss of retinal ganglion cells in recipients.** Poster #B0078 Abstract #3731. Location: Exhibit Hall.

3:30 PM - 5:15 PM. *Stephen R. Russell, Jean Bennett, Jennifer Wellman, Daniel C. Chung, Katherine High, Zi-Fan Yu, Amy Tillman, Albert M. Maguire.* **Three-year update for the phase 3 voretigene neparvovec study in biallelic RPE65 mutation–associated inherited retinal disease.** Poster #C0366 Abstract #3900. Location: Exhibit Hall.

Wednesday, May 2

8:45 AM - 9 AM. *Ying Hsu, Janelle Garrison, Gunhee Kim, Arlene V. Drack, Darryl Nishimura, Seongjin Seo, Val C. Sheffield.* **Determination of the optimal time window for gene replacement therapies for blindness using an inducible rescue mouse model of Bardet-Biedl Syndrome.** Abstract #3962. Location: Room 320

11:15 AM - 1 PM. *Ankur Jain, Wei Zhu, Qihong Zhang, Markus H. Kuehn, Abbot F. Clark, Val C. Sheffield.* **Primary Cilia and Extracellular Matrix Interactions in Trabecular Meshwork Cells.** Poster #B0145 Abstract #4721. Location: Exhibit Hall.