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Keynote Presentation - Introduction: Paul Park

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Donald J. Zack

*High Content Screening Approaches to Study Retinal Development and Degeneration*

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11:50 – 1:20 Lunch and Poster Session

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Session 2 - Moderator: Patricia Taylor

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Scott Howell

*Diabetes-mediated Interleukin (IL)-17A enhances retinal pathogenesis in Type II diabetics with retinopathy*

Lana Pollock

*Disruption of retinoic acid signaling results in blood-retinal barrier breakdown and altered mTOR signaling in the retina*

Charles Guo

*Suppression of Integrin-Linked Kinase in Human Trabecular Meshwork Alters SPARC's Effect on Extracellular Matrix and Intraocular Pressure*

Nicole El-Darzi

*CYP46A1 activator*

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Session 3 - Moderator: Paul Park

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Sudha Iyengar

*Distinctive cross-ancestry genetic architecture for age-related macular degeneration*

Beata Jastrzebska

*Pharmacological chaperones correcting rhodopsin misfolding in retinitis pigmentosa*

Sreelakshmi Vasudevan

*Analysis of two rhodopsin mutations in retinitis pigmentosa*

Shigemi Matsuyama

*Development of new cytoprotective small molecule (CMS) M109S that protects the retinal photoreceptor cells from mitochondria-dependent cell death*

Douglas Rhee

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Reception

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