

			Porter Louise	Epigenetic Changes of Ageing and Age-Related Macular Degeneration		University of Liverpool	Eye and Vision Science	Liverpool		UK	
			Chao Jennifer	Early Onset Macular Drusen: Loss-of-Function Variant in CFH	complement factor H, early onset macular drusen, age-related macular degeneration, induced pluripotent stem cells, retinal pigmented epithelium	Liverpool UW	Ophthalmology	Seattle	Washington	USA	
			Sapieha Przemyslaw	Targeting Cellular Senescence for Retinal Vasculopathies		Unity Biotechnology		San Francisco	California	USA	
			Park Bormina	AAV8 mediated expression of shRNA targeting soluble epoxide hydrolase suppresses choroidal neovascularization	Soluble Epoxide Hydrolase, EPHX2, RNAscope, Age-related macular degeneration, Choroidal neovascularization, Gene therapy, AAV				Indiana	USA	
			Shu * Daisy	Suppression of PGC-1 α drives metabolic dysfunction in TGF β 2-induced EMT of retinal pigment epithelial cells	Retinal pigment epithelium (RPE), metabolism, mitochondria, transforming growth factor-beta (TGF β), epithelial-mesenchymal transition (EMT), bioenergetics, PGC-1 α	MEEI	Ophthalmology	Boston	Massachusetts	USA	
		Theme C; Session 11	Shusheng Wang, Heping Xu	Notch signalling and retinal fibrosis		University of Sydney	Dept of Medicine and Health	New South Wales		Australia	
		Mechanisms and therapeutics for ocular fibrosis	Bernstein Audrey Felszeghy Szabolcs	Self-delivery siRNA to prevent corneal scarring The role of NRF2/PGC-1 α in Oxidative Stress – Mediated Epithelial-to-Mesenchymal Transition of Retinal Pigment Epithelial Cells – Implications in mice	age-related macular degeneration; AMD; epithelial-mesenchymal transition; senescence; <i>NFE2L2/PGC-1α</i> dKO	University of Eastern Finland	School of Medicine, Biomedicine	NY	New York	USA Finland	
			Xu Heping	The role of the complement system in retinal fibrosis	retina, fibrosis, inflammation, complement system, epithelial cells, macrophages, mvofibroblasts	Wellcome-Wolfson Institute Tulane		Belfast		UK	
			Wu* Y'inga	MIRNA-24 represses TGF- β 2 induced epithelial-mesenchymal transition (EMT) and fibrosis in RPE cells			Ophthalmology	New Orleans	Louisiana	USA	
			Yi Caijiao	Augmented Subretinal Fibrosis Secondary To Choroidal Neovascularization In Old Age is Related To Increased Profibrotic Potent of Circulating Immune Cells	subretinal fibrosis, aging, circulating immune cells		Ophthalmology	Changsha		China	
Sunday			ADOPT Business meeting/ Nominations for Awards								
March			Poster Theme C/ D								
7th			Retinal RPE/ imains' drug delivery								
			Daniel Pelaez and Juana Gallar	Lal Shankar	Optokinetic Drum to Assess Visual Acuity				Texas	USA	
			Rob Nickells	Linder Markus	Development and use of novel tools for subretinal fibrosis imaging			Basel	Switzerland		
				Cho Junsang	Assessing the clinical requirement of 2.5% phenylephrine for diagnostic pupil examination	Dilating agent, eye examination, clinical utility, phenylephrine, trocarnide			Missouri	USA	
				Patil Madhoosudan	Suprachoroidal Drug Delivery: Influence of Eye Size and Drug Physicochemical Properties		Uni of Colorado	Pharmacy and Pharmaceutical Sciences	Aurora	Colorado	
				Tong Yao	Crosstalk among Ferroptosis, Necroptosis, and Pyroptosis during oxidative stress-induced RPE Cell Death		Tulane	Cell and Molecular Biology	New Orleans	Louisiana	
				Vichare Riddhi	Impact of detoxification gene augmentation on oxidative stress-induced changes in the retinal pigment epithelial (RPE) cells.	Oxidative Stress, RPE, Dry-AMD, GSTM1, ZO-1, Cell viability. Gene therapv.	USF		Tampa	Florida	
				Cole II Jerome	Reduction of Cellular Ceramide Levels Prevents Photoreceptors Degeneration in Rd10 mice		utisc	Ophthalmology	Memphis	Texas	
				Wang Qin	Unmasking inhibition prolongs neuronal function in retinal degeneration mouse model	Retinistis Pigmentosa, microtoxin, retinal ganglion cell, electrophysiology, GABAergic inhibition					
				Barnstable Colin	How an Academic Researcher to Develop a Drug Candidate in China		Penn State U	Behavioral and neural science	Pennsylvania	Pennsylvania	
				Tombran-Tink Joyce	PEDF Peptide for Treatment of Ocular Diseases		Penn State U	Behavioral and neural science	Pennsylvania	Pennsylvania	
				He Sylvie	Innovation and Drug Discovery of Ophthalmic Research in China		Hyflinty Investment Fund		Beijing	China	
				Wei Jay Ji-Ye	Gene Therapy to Treat Ocular Disorders in China		He University, Shenyang, China		Sheyang	China	
				Zhang Donglei	Esculetin protects human corneal epithelial cells from oxidative stress through NRF2 signaling pathway		Shenyang Pharmaceutical University	Pharmacy	Sheyang	China	
				Hou Zhuang	Structure-Based Design and Discovery of Novel Dual-Inhibitors of Carbonic Anhydrase Inhibitors with Efficacy in an in Vivo Glaucoma Model		Shenyang Pharmaceutical University		Sheyang	China	
				MD Imam Uddin	A novel method to visualize mRNA to predict ocular angiogenesis	molecular imaging, mRNA, diabetic retinopathy, neovascularization.	VUUMC	Ophthalmology	Nashville	Tennessee	
				Hunter Jennifer	Adaptive Optics Fluorescence Lifetime Ophthalmoscopy	retina, imaging, adaptive optics, photoreceptors, fluorescence lifetime, visual cvcle, multiphoton	University of Rochester	Flaum Eye Institute	Rochester	New York	
				Chateau Nicolas	Adaptive optics retinal imaging usable by clinicians		OHSU	Casey Eye Institute	Orav	France	
				Jia Yali	Visible-light OCT oximetry in retinal capillaries		Medical Uni of Vienna	Clinical Pharmacology	Portland	Oregon	
				Schmidl Doreen	The effect of orally administered dronabinol on ocular blood flow parameters in healthy subjects	dronabinol, THC, optic nerve head blood flow, total retinal blood flow, laser Doppler flowmetry, Doppler Optical Coherence Tomography			Vienna	Austria	
				Wyndham Batchelor	Feasibility of Creating Retinal Ganglion Cell Axon Guidance Cues of Various Length Scales Using a Custom Atomic Force Microscopy Lithography Device		Bascom Palmer	Biomedical Engineering	Miami	Florida	
				David Hinkle							
				Ozer Omer	Effects of Mesenchymal Stem Cells on microRNA Expressions in Acute Alkaline Corneal Burn	Alkaline corneal burn, mesenchymal stem cell, miRNA.	Mersin University	Ophthalmology	Yenisehir	Mersin	
				Eveleth David	Healing of Primary and Recurrent Mouse Ocular Herpetic Disease Following Topical Ocular Treatment with an Engineered Fibroblast Growth Factor-1 (FGF-1) is Associated with Increased Frequency and Function of Corneal Anti-Inflammatory M2 Macrophages	FGF-1, Fibroblast Growth Factor-1, HSV-1, Herpes Simplex Virus Type 1.	Trefoil Therapeutics	Laboratory of Cellular and Molecular Immunology	Irvine	California	
				Golawala Baano	Bioinformatics pertinent to Neuronal regeneration	Neuronal regeneration, central nervous system, computer program			Miami	Florida	
				University of Miami/American Heritage High School							
				Joachim Stephanie	Evaluation of a novel potent autotaxin-inhibitor in a retinal ischemia model	ischemia-reperfusion, autotaxin, ATX, retinal ganglion cell, microglia, macroglia	Ruhr-University Bochum	Experimental Eye Research Institute		Buchum	
				Pizzuto Sarah	Accelerated regeneration of corneal endothelium after Descemet's stripping mediated by the engineered fibroblast growth factor TTHX1114	Cornea, endothelium, FGF, Fuchs endothelial corneal dystrophy, Descemet's stripping	Trefoil Therapeutics		San Diego	California	
				ADOPT Business meeting/Fellow Closing							
				Best of AOPT (replay of Sheyang Group Video)							