

16th International Myopia Conference Programme

Thursday 14 th September	
08:00 – 08:45	Registration
08:45	Welcome and introduction
	<i>Chair IMC 2017 - Dr Nicola Logan</i>
	Aston University Vice Chancellor - Prof Alec Cameron
09:00	Chew Sek Jin memorial lecture
	<i>Dr Christine Wildsoet</i>
	Lessons from animal models of myopia - A cautionary tale
09:45	<i>Dr Lisa Jones-Jordan</i>
	Progressing towards an answer: the numbers that lead the way
10:05	TOPIC 1: Prevalence, progression and risk factors for myopia
	<i>Olavi Pärssinen</i>
	The relationship of high myopia with different factors in adult myopic Finns
	<i>Weizhong Lan</i>
	Association between risk factors and refractive error: a quantification analysis based on big data technology
	<i>Ian Morgan</i>
	The relationship between myopia and educational systems
	<i>Sichun Ao</i>
	A Study of Anisometropia Development Pattern in Danish Myopic Children
11:05	Coffee Break
11:30	TOPIC 2: Mechanisms of myopia: role of light
	<i>Seang-Mei Saw</i>
	Light patterns, outdoor activity and myopia
	<i>Saoirse McCrann</i>
	Daily activity patterns of Irish school children and parental attitudes towards myopia
	<i>Scott Read</i>
	Objective measures of light exposure in Australian and Singaporean children
	<i>Sekar Ulaganathan</i>
	Light exposure and daily axial length variations in emmetropes and progressing myopes

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	<i>Kazuo Tsubota</i>
	Myopia Progression could be Controlled by Violet Light Exposure
12:45	EARLY CAREER RESEARCHERS: RAPID FIRE 1 oral presentations
13:05	Lunch
14:00	Posters: prevalence, progression, risk factors, myopia control, vision and accommodation
15:30	Coffee and posters continued
16:00	Johnson & Johnson Vision Sponsor Session – Dr Noel Brennan
16:15 – 18:00	TOPIC 3: mechanisms of myopia - pathways
	<i>Barbara Swiatczak</i>
	In vivo markers of myopia development: changes in fundal reflectance
	<i>Machelle Pardue</i>
	Photoreceptor contributions to refractive eye growth and myopia
	<i>Petros Papadogiannis</i>
	Effect of chromatic aberration on detecting the sign of defocus in the periphery
	<i>Sonal Aswin Vyas</i>
	Effects of the presence of astigmatism on experimentally-induced myopia development in chicken
	<i>Linda Lundström</i>
	Peripheral contrast sensitivity function with and without chromatic aberrations
	<i>Andrei Tkatchenko</i>
	Genome-wide expression profiling in common marmoset retina exposed to hyperopic or myopic defocus
	<i>Frances Rucker</i>
Emmetropization Depends on Ocular Parasympathetic Pathways and Blue Light	
18:30	Please join us for dinner and drinks at Conference Aston (Included in conference package)

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Friday 15 th September	
08:00 – 08:30	Registration
08:30	TOPIC 4: optical methods of myopia control
	<i>Carly Siu Yin Lam</i>
	Novel multi-segment of myopic defocus (MSMD) spectacle lens for slowing myopic progression in Hong Kong Chinese myopic schoolchildren
	<i>Miguel Faria-Ribeiro</i>
	Retinal Image Quality with Different Dual Focus Designs for Myopia Control
	<i>Pei-Chang Wu</i>
	Myopia prevention in a multi-area cluster randomized school-based intervention program (ROC711) in Taiwan
	<i>Thomas Aller</i>
	Myopia progression with distance and near center multifocal contact lenses, a retrospective case series study
	<i>Yu Zhang</i>
	Comparison of clinical results between toric and spherical orthokeratology lenses in myopic children with moderate-to-high corneal astigmatism
09:45	CooperVision Sponsor Session – Dr Arthur Back
10:00	EARLY CAREER RESEARCHERS: RAPID FIRE 2
10:30	Coffee Break and posters
11:00	Posters continued: peripheral refraction, modelling, defocus as mechanisms for myopia, myopia control considerations, technology, impact of laser
12:30	Lunch
13:30	TOPIC 5: Myopia control: Pharmacology
	<i>Sarah Kochik</i>
	Atropine Dosing Frequency
	<i>John R Phillips</i>
	Interaction of atropine and retinal image defocus on choroidal thickness in children with myopia
	<i>Baskar Arumugam</i>

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	<p>Topically applied caffeine, a non-selective adenosine receptor antagonist, alters emmetropizing responses in infant monkeys.</p> <p><i>Toshihide Kurihara</i></p> <p>Refractive myopic shift is suppressed by a carotenoid administration in a murine model of lens-induced myopia</p>
16:00	Business Meeting
Saturday 16th September	
08:00 – 08:30	Registration
08:30	<p>TOPIC 6: clinical trials considerations</p> <p><i>Donald Mutti</i></p> <p>Compensation for vitreous chamber elongation during myopia progression</p> <p><i>Noel Brennan</i></p> <p>Do relative mean progression rates published for myopia control treatments apply to fast progressors? It seems not!</p> <p><i>Paul Chamberlain</i></p> <p>Normal eye growth and myopia control efficacy</p> <p><i>Lisa Jones-Jordan</i></p> <p>The cost of recruitment for a pediatric myopia clinical trial</p>
09:30	Euclid Sponsor Session – Dr Xiao Yang
09:45	<p>TOPIC 7: genetics</p> <p><i>Caroline Klaver</i></p> <p>Large genome-wide meta-analysis highlights light-induced signaling as a driver for refractive error</p> <p><i>Yu Huang</i></p> <p>A genome-wide association study (GWAS) in chicks identifies a susceptibility locus for environmentally-induced myopia</p> <p>Virginie Verhoeven</p> <p>Newly identified genes for refractive error and risk of myopia</p>
10:30	EARLY CAREER RESEARCHERS: RAPID FIRE 3
11:00	Coffee Break and posters

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11:30	Posters continued: animal models, high myopia, pathological myopia, techniques and technology and refractive surgery
13:00	Lunch
14:00	Josh Wallman memorial lecture <i>Dr Alexandra Benavente Perez</i> From human to experimental myopia and back
15:00	TOPIC 8: eye shape
	<i>Willem Tideman</i>
	The determinants of volume, height and width of the eye and the association with refractive error in 10 year old European children
	<i>Ji He</i>
	A test of the relationship between anterior segment parameters and peripheral refraction of the emmetropic and myopic eyes
	<i>Quan V. Hoang</i>
	Distance- and Refraction-Dependent Changes in Elastic Properties of Lower Field Myopia in Guinea Pig Eyes with Acoustic Microscopy
15:45	TOPIC 9 Session: mechanisms of myopia
	<i>Samaneh Delshad</i>
	Effects of brief periods of clear vision on the defocus-mediated changes in the axial length of human eyes
	<i>Debra L. Nickla</i>
	Effects of brief defocus and form deprivation on ocular growth depend on time of day: Associations with altered rhythms in eye length and choroid thickness
	<i>Pauline Kang</i>
	The effect of daily episodes of negative or positive defocus interruption on the eye growth of marmosets
	<i>Hosein Hoseini-Yazdi</i>
	Regional choroidal thickness changes in response to short-term full-field optical defocus
18:00	Gala dinner - Birmingham Town Hall

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Sunday 17 th September	
08:30 – 09:00	Registration
08:45	TOPIC 10: Accommodation and binocularity
	<i>Andrea Carrillo Aleman</i>
	Are focussing errors during accommodation driving emmetropization in chicks?
	<i>Kate Gifford</i>
	Clinical binocular vision function in orthokeratology contact lens wear for myopia
	<i>Neeraj K. Singh</i>
	Visual simulation of bifocal corrections for myopia control
	<i>Philip Turnbull</i>
	Virtual Reality and the Eyes
	<i>Arthur Bradley</i>
	Experimental investigation of accommodation in eyes fit with multifocal contact lenses
10:00	Menicon Sponsor Session – Dr Jacinto Santodomingo
10:15	International Myopia Institute and Committees update
11:15	Coffee Break
11:30	Final debate and discussion: Theory and mechanisms
13:15	Closing remarks and announcement of the 17th IMC
13:30	Lunch
Close of 16th International Myopia Conference	