	Saturday 6 July, 2024	
09:00 – 10:15	**Session 4: Colour Vision Assessment** **Chairperson: Allie Hexley**	**Kosovel Hall**
09:00 – 09:15	**Estimating individual cone fundamentals and colour matching functions** **Andrew Stockman**, Ronnier Luo, Keyu Shi, Andrew Rider (United Kingdom)	
09:15 – 09:30	**Modelling wavelengths and spectral half power bandwidths for Rayleigh equation anomaloscopes** **Stephen John Dain**, Jeffery K. Hovis (Australia)	
09:30 – 09:45	**Testing the reliability and validity of Rayleigh matches and heterochromatic flicker photometry settings on an Arduino-based LED device** **Dana Turner**, Liana Keesing, Joshua Gray, Takuma Morimoto, Michelle McClements, Robert MacLaren, Allie Hexley, David Brainard, Hannah Smithson (United Kingdom)	
09:45 – 10:00	**An iPhone-based anomaloscope for accessible, accurate color vision testing** **Dragos Rezeanu**, Maureen Neitz, Jay Neitz (United States)	
10:00 – 10:15	**Assessing chromatic discrimination in individuals varying in iris colour and race** **Nnaemeka Nwanedo**, Robin Owen, Margarita Zlatkova, Galina Paramei (United Kingdom)	
10:15 – 10:45	**Coffee Break**	**Foyer II**
10:45 – 12:15	**Session 5: Colour Vision Defficiency and Development** **Chairperson: Jan Kremers**	**Kosovel Hall**
10:45 – 11:00	**Theory of human tetrachromatic color experience** **Jessica Lee**, Varun Srivastava, Nicholas Jennings, Ren Ng (United States)	
11:00 – 11:15	**Attempting to elicit tetrachromacy in trichromatic human subjects via optical stimulation of individual photoreceptors at population scale** **Ren Ng**, Atsunobu Kotani, James Fong, Hannah K. Doyle, Jessica Lee, Congli Wang, Austin Roorda (United States)	

11:15 – 11:30	**Optimality of contrast encoding in anomalous trichromacy** **Kenneth Knoblauch**, Jenny Bosten, J. S. Werner (France)	
11:30 – 11:45	**The eye movements of color deficient observers** **Doris Braun**, Karl Gegenfurtner (Germany)	
11:45 – 12:00	**Patients' awareness of their color vision deficiency** **Zane Jansone-Langina** (Latvia)	
12:00 – 12:15	**Meridional anisotropies in young adults comparing oriented grayscale gratings, and similar oriented natural scenes** **Mei Ying Boon**, Kelly Le, Suhaima Adil, Agnes Choi (Australia)	
12:15 – 13:15	**Lunch**	**Foyer II**
13:15 – 15:00	**Poster Session 1 & Coffee Break** *Sponsored by The Colour Group (United Kingdom)*	**Foyer II**
15:00 – 15:30	**Session 6: Colour and Retina** **Chairperson: Beatrix Feigl**	**Kosovel Hall**
15:00 – 15:15	**L- and M-cone driven ERGs obey the Ferry-Porter law** **Jan Kremers**, Cord Huchzermeyer, Avinash Aher (Germany)	
15:15 – 15:30	**The melanopsin-isolated spatiotemporal chromatic visual response** **Andrew Zele**, Thomas Nugent (Australia)	
15:30 – 16:30	**Invited speaker** **Deniz Dalkara** (France) **Vision restoration and color vision**	**Kosovel Hall**
	Introduced by Nika Vrabič	
16:30 – 16:45	**Mini Break**	**Foyer II**
16:45 – 17:45	**Invited speaker** **Tessa Dekker** (United Kingdom) **Neuroplasticity in a rod-only visual system receiving cone rescuing gene therapy**	**Kosovel Hall**
	Introduced by Marko Hawlina	

Poster Board	Poster Session 1 Foyer II
P-1	**Binocular interactions for chromoluminance stimuli measured with SSVEP** **Alex Carter**, Daniel Baker, Antony Morland, Abbie Lawton, Alex Wade (United Kingdom)
P-2	**A comparison of two approaches that use SSVEPs to characterise cortical colour tuning functions** **Ana Rozman**, Chris Racey, Jenny M. Bosten (United Kingdom)
P-3	**Cataract effect on chromatic resolution and colour perception** **Renārs Trukša**, Zane Jansone-Langina, Sergejs Fomins, Andrejs Solomatins (Latvia)
P-4	**Complementary Colours in Heterochromatic Flicker Fusion** **Christoph Witzel** (United Kingdom)
P-5	**Blackness perception is affected by the stimulation of melanopsin cells** **Masahiko Yamakawa**, Katsunori Okajima, John S. Werner (Japan)
P-6	**Custom colour selection improves symbology identification** **Amanda Douglass**, Madeline Baker, Kate Coffey, Lars Kooijman, Larry Abel (Australia)
P-7	**Colour-music association is mediated via S-(L+M) colour pathway rather than by the blue-yellow one** **Misha Vorobyev** (New Zealand)
P-8	**Warm/cool judgements as a function of hue, value and chroma** **Frederic Devinck**, Kenneth Knoblauch (France)
P-9	**Influences of melanin and hemoglobin changes on facial color perception** **Yuanyuan He**, Takahisa Kitano, Hiromi Sato, Yoko Mizokami (Japan)
P-10	**Asymmetries in colour search** **Jake Manalansan**, Camilla Simoncelli, Michael Webster (United States)
P-11	**Emergence of selective L-M cone antagonism from efficient coding of spatiochromatic natural images** **Alexander Belsten**, Bruno Olshausen (United States)
P-12	**Electrophysiological evidence for a GABA-mediated feedforward pathway in the outer retina for mediating color vision** **James A. Kuchenbecker**, Dragos Rezeanu, Sara Patterson, Maureen Neitz, Jay Neitz (United States)

P-13	**Color processing is constrained by eye optics in the retina of nocturnal primates** **Olivier Marre**, Rémi Baroux, Louiza Arouche-Delaperche, Thomas Buffet, Antoine Chaffiol, Valérie Forster, Guilhem Glaziou, Awen Louboutin, Gabriel Mahuas, Déborah Varro, Samuele Virgili, Fabien Pifferi, Matias Goldin (France)
P-14	**Evaluation of the Waggoner Computerized Color Test in Detecting Color Vision Deficiency** **Ali Almustanyir** (Saudi Arabia)
P-15	**The correlation between colour temperature and glare during night driving** **Isabel Arranz**, Eduardo G Vicente, Teresa González-Arteaga, Luis A Issolio, Beatriz M Matesanz (Spain)
P-16	**Evaluation of two novel, tablet-based color vision tests** **Michael Crognale**, Christabel Arthur, Jingyi He, Peter Bex, Jan Skerswetat (United States)
P-17	**Designing and developing a portable five-primary photostimulator for investigating melanopsin's role in color vision, tailored for rural environments** **Jose Maria Fanchini**, Maria L. Sandoval-Salinas, Pablo A. Barrionuevo (Argentina)
P-18	**Diversity in colour vision** **Katsuaki Sakata** (Japan)
P-19	**Difficulties color vision defectives encounter when interacting with digital displays at school and work** **Jeff Hovis**, Sandra Mazur, Shankaran Ramaswamy (Canada)
P-20	**The relationship between types of anomalous trichromats and observer metamerism on wide-gamut display** **Taiju Inoshita**, Tsukasa Muraya, Shoji Sunaga (Japan)
P-21	**Color categories in normal and color-deficient observers** **Jesse Macyczko**, Fatemeh Basim, Erin Goddard, Michael Webster (United States)
P-22	**Colour naming of natural colours in normal trichromats and dichromats** **Dora N. Marques**, José A. R. Monteiro, Joana B. S. Costa, Joana F. A. Sequeiros, João M. M. Linhares, Sérgio M. C. Nascimento (Portugal)
P-23	**A preterminal nonsense mutation in the short-wavelength-sensitive cone pigment gene of hedgehogs with unclear functional consequences.** **Martin Glösmann**, Barbora Černá Bolfíková, Anna Bannikova, İslam Gündüz, Michael Wolfram (Austria)
P-24	**Colour statistics of colour-labelled objects created by generative AI** **Daniel Joyce**, Yujin Wang, Michael Webster (Australia)