
SATURDAY, 6 DECEMBER 2008

LIGHT BREAKFAST

From 08:00

Foyer

ORAL SESSION 1

09:00-10:00

CLINICAL VISION

Chair: Prof Ian Morgan

Finkel Lecture Theatre

Paper 1

09:00 The prevalence of myopia in populations of South Asian origin
Morgan, I.,9

Paper 2

09:12 Surveillance of the prevalence and management of trachoma in Australia
Tellis, B., Keefe, J.E., Taylor, H.R.,9

Paper 3

09:24 Automatic fluorescein break up time detection in dry eyes
Yedidya, T., Hartley, R., Guillon, J.-P.,10

Paper 4

09:36 Optic disc morphology - rethinking shape
Sanfilippo, P.,10

Paper 5

09:48 Uncorrected hyperopia; its detection and impact
Rose, K., Leone, J., French, A.,11

MORNING TEA

10:00-10:30

SYMPOSIUM 1

10:30-12:00

LENS DEVELOPMENT AND CATARACT

Chair: Prof John McAvoy

Finkel Lecture Theatre

Paper 1

10:30 Signalling in early lens and eye development
Jamieson, R.,3

Paper 2

10:52 Intercellular junctions and congenital cataract
Sharma, S., Dave, A., Koh, K.S.Y., Collin, C., Voss, A.K., Burdon, K.P., McAvoy, J.W.,
Mackey, D.A., Craig, J.E.,3

Paper 3

11:15 The 'fats' of life: does the lens turn over its membrane molecules?
Nealon, J.R., Abbott, S.K., Mitchell, T.W., Blanksby, S.J., Hulbert, A.J., Truscott, R.J.W.,...4

Paper 4

11:37 A role for Wnt/PCP signaling in cytoskeletal organization during FGF-induced fibre
differentiation.
McAvoy, J.W., Stump, R.J.W., Nguyen, A., Sugiyama, Y., Lovicu, F.J.,4

SATURDAY, 6 DECEMBER 2008

PLENARY 1 12:00-12:45

PETER BISHOP LECTURE

Chair: Prof Ian Morgan

Finkel Lecture Theatre

Presbyopia. Emerging from a blur

Roger Truscott, Save Sight Institute, University of Sydney1

LUNCH 12:45-14:00

SYMPOSIUM 2 14:00-15:30

GENE AND ENVIRONMENT

Chair: Dr Paul Baird

Finkel Lecture Theatre

Paper 1

14:00 Dissecting complex disease - genotypic and environmental contributions
Cavanagh, J.,5

Paper 2

14:22 A genome wide scan for genetic modifiers of pseudoexfoliation syndrome
Burdon, K., Hewitt, A., Brown, M., Mitchell, P., Sharma, S., Craig, J.,5

Paper 3

14:45 Genetic and environmental influences in AMD progression
Robman, L., Baird, P.,6

Paper 4

15:07 Mapping strategies for the identification of genetic variants for myopia
Schache, M., Chen, C.Y., Pertile, K.K., Garoufalos, P., Richardson, A.J., Baird, P.N.,6

AFTERNOON TEA 15:30-16:00

SATURDAY, 6 DECEMBER 2008

ORAL SESSION 2

16:00-17:00

VISUAL PSYCHOPHYSICS

Chair: Dr Ted Maddess

Finkel Lecture Theatre

Paper 1

16:00 Spatial form detection at threshold in frequency-doubling stimuli
Hogg, R.E., Anderson, A.J.,11

Paper 2

16:12 Rod-cone interactions in mesopic temporal processing
Zeile, A.J., Cao, D., Pokorny, J.,12

Paper 3

16:24 Dichoptic multifocal pupillography points to retinal dysfunction in early stages of type 2 diabetes
Bell, A., James, A.C, Kolic, M., Maddess, T.,12

Paper 4

16:36 Optic nerve head and scleral changes in glaucomatous eyes
Vaegan, Tektas, O.-Y.,13

Paper 5

16:48 Number-based visual generalisation in the honeybee
Zhang, S., Gross, H.J., Pahl, M., Si, A., Zhu, H., Tautz, J.,13

Pre-Dinner Drinks/Coffee

17:00-

Conference Dinner

18:30-

Fog Garden, National Gallery of Australia

Buses will leave the conference venue at 18:30 and 18:50. Buses will return delegates to the conference venue and Burton and Garran Hall at 22:30 to 23:30.

SUNDAY, 7 DECEMBER 2008

LIGHT BREAKFAST

From 08:00

Foyer

ORAL SESSION 3

09:00-09:48

OPTICS AND STRUCTURE

Chair: Prof Jan Provis
Finkel Lecture Theatre

Paper 1

09:00 Characteristics of an axonally-induced scotoma caused by cotton-wool-spot ischemia
Chui, T.Y.P., Thibos, L.N., Bradley, A., Burns, S.A.,14

Paper 2

09:12 Effect of accommodation and ageing on peripheral ocular aberrations
Mathur, A., Atchison, D.A.,14

Paper 3

09:24 Photoreceptor to ganglion cell convergence in the pigeon retina
Querubin, A., Provis, J.M., Bumsted O'Brien, K.,15

Paper 4

09:36 Treatment with 670nm red light is protective against light-induced photoreceptor
damage
Albarracin, R., Valter, K.,15

MORNING TEA

09:48-10:30

PLENARY 2

10:30-11:15

FRED HOLLOWS LECTURE

Chair: Prof Peter McCluskey
Finkel Lecture Theatre

Clinical, genomic and proteomic insights into glaucoma pathogenesis
Jamie Craig, Flinders University1

SUNDAY, 7 DECEMBER 2008

SYMPOSIUM 3 **11:15-12:45**

UNDERSTANDING THE COMPLEXITY OF THE PRIMARY VISUAL CORTEX

Chair: Dr Michael Ibbotson
Finkel Lecture Theatre

Paper 1

11:15 Contrast-invariant orientation tuning in simple cells of visual cortex
Priebe, N.J.,7

Paper 2

11:55 On the emergence of orientation tuning between LGN and the visual cortex
Vidyasagar, T.R.,7

Paper 3

12:25 Classifying cortical neurons: some new perspectives
Ibbotson, M.R., van Kleef, J.,8

LUNCH **12:45-14:00**

PLENARY 3 **14:00-14:45**

ARC CENTRE OF EXCELLENCE IN VISUAL SCIENCES LECTURE

Chair: Prof Neville McBrien
Finkel Lecture Theatre

The synaptic ribbon: an historical thread. Ribbon synapses, L-type Ca²⁺-channels, and congenital stationary night blindness
William Stell, University of Calgary, Canada.....1

A TRIBUTE TO VAEGAN **14:45-15:15**

Finkel Lecture Theatre

AUSTRALIAN SOCIETY FOR VISION RESEARCH AGM **15:15-16:15**

Finkel Lecture Theatre

POSTER SESSION AND DRINKS **16:15-18:30**

Poster 1 Effect of long and short range interactions on second harmonics of full field, multi-focal and sparse steady state stimuli
Aldahlawi, N., Vaegan,.....16

Poster 2 Minimisation of response saturation in multifocal pupil perimetry
Carle, C., James, A., Wong, S., Maddess, T.,16

Poster 3 Multifocal pupillographic visual field assessment of age-related macular degeneration
Sabeti, F., Maddess, T., Essex, R., James, A.,17

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Poster 4	Fine-tuning multifocal pupillographic perimetry Kolic, M., Maddess, T., Essex, R.W., James, A.C.,.....	17
Poster 5	Exploring the mechanisms of Rarebit Perimetry Hackett, D.-A., Anderson, A.J., Brusini, P.,	18
Poster 6	West Nile virus infection modulates human retinal pigmented epithelium production of extracellular matrix Munoz-Erazo, L., Kuo, C., Oliver, B.G., Madigan, M.C., King, N.J.,	18
Poster 7	CD44 expression in human uveal melanoma Walsh-Conway, N., Rahman, S., Chow, J., Conway, R.M., Madigan, M.C.,.....	19
Poster 8	Effect of birth parameters on retinal vascular calibre: the twins eye study in Tasmania Sun, C., Ponsonby, A.-L., Wong, T.Y., Brown, S.A., Kearns, L.S., Cochrane, J., Hewitt, A.W., Mackey, D.A.,	19
Poster 9	A role for the Wnt signaling pathway in keratoconus? Roufas, A., Madigan, M.C., McAvoy, J.W., Sutton, G.,	20
Poster 10	Retinal dysfunction in an animal model of retinopathy of prematurity Hatzopoulos, K., Vessey, K., Ward, M., Wilkinson-Berka, J., Miller, A., Heine, R., Fletcher, E.,	20
Poster 11	Vasculogenic patterning in the primate retina: a regulatory role for axon guidance and anti-angiogenic factors Kozulin, P., Natoli, R., Bumsted O'Brien, K.M., Madigan, M.C., Provis, J.M.,.....	21
Poster 12	Microarray analysis of hyperoxia stressed mouse retina: differential gene expression in the inferior and superior region Zhu, Y., Natoli, R., Valter, K., Stone, J.,.....	21
Poster 13	How to nullify the effects of vitreous present in "quick extracted" rat retina for proteome analysis. Kirk, D.K., Schiller, B., Harris, C., Valter, K., Mathesius, U.,	22
Poster 14	Tonic then toxin: impacts of hyperoxia on the mouse retina Natoli, R., Provis, J., Valter, K., Chrysostomou, V., Stone, J.,	22
Poster 15	Evidence for a common role of the complement system in the pathogenesis of cell death in animal models of retinal degeneration Rutar, M., Provis, J., Valter, K.,	23
Poster 16	Cones in the rhodopsin-mutant P23H-3 rat: evidence of long term survival Chrysostomou, V., Stone, J., Valter, K.,.....	23
Poster 17	The sequential expression of inflammatory proteins during light exposure in rodent retina Albarracin, R., Valter, K.,.....	24
Poster 18	Protective effects of intravitreally released saffron in light stressed P23H rat retinas Romeo, S., Fiorani, L., Di Marco, S., Maccarone, R., Bisti, S.,	24
Poster 19	Effect of scrambled targets on retinal dopamine release Peng, C.-C., McCarthy, C.S., Hartfield, P.J., Morgan, I.G., Schmid, K.L.,.....	25
Poster 20	Effect of light intensity on eye growth and myopia progression in chickens McCarthy, C.S., Megaw, P., Morgan, I.G.,.....	25
Poster 21	Circadian rhythms in the eye of dark reared rats Di Marco, S., Di Marco, F., Maccarone, R., Bisti, S.,.....	26
