

PROGRAMME

Friday 3 December 1999
4 00 pm – 7 00 pm

Arrival of Delegates, Registration

Saturday 4 December 1999
8 00 am – 8 30 am

Registration and Placement of Posters

ORAL PRESENTATIONS

0.129	0.6	50+
1.07	1.9	60+
4.06	5.2	70+
8.2	6.2	80+

SATURDAY, 3 DECEMBER 1999

144k → 167k person total
90 → 107k " ♀

8 30 – 10 00

50+ 2030 → 307,000 3.79
3.68

ORAL SESSION 1: GLAUCOMA AND ANTERIOR SEGMENT
Chair: Dr Bill Gillies

0.4 → 513,000
2000

old Medical 2020 3.4796 = ~~3.47~~ 325k
MO 240k, now

- O1.1 **Rochtchina Elena, Mitchell Paul**
Projected Number of Australians with Open-Angle Glaucoma and Ocular Hypertension in 2000
- O1.2 **Thomas Brendan, Favilla Ian, Gosbell Andrew**
Electrophysiology of Visual Pathways in Glaucoma
- O1.3 **Landers John, Goldberg Ivan, Graham Stuart**
A Comparison of Short Wavelength Automated Perimetry (SWAP) with Frequency Doubling Perimetry (FDP) for the Early Detection of Visual Field Lesions in Ocular Hypertension
- O1.4 **Barry Chris J, Eikelboom Robert H, Jitskaia Ludmila, Voon Angel SP, Yogesan Kanagasingham**
Neuroretinal Rim Measurement Error Using PC-Based Stereo Software
- O1.5 **Agar Ashish, Hill Mark A, Coroneo Minas T**
Neuronal Apoptosis Associated with Increased Hydrostatic Pressure

- O1.6 **McCluskey Peter J, Ham K B, Wakefield Denis**
Clinical Features, Systemic Associations and Outcome of Intermediate Uveitis
- O1.7 **Kwok L Stephen, Coroneo Minas T**
Analysis of Near-UV Absorption by Human Lens Cortex
- O1.8 **Jobling Andrew I, Augusteyn Robert C**
Is there a Steroid Receptor in the Lens?
- O1.9 **Lovicu Frank J, Overbeek P A, Chamberlain C G, McAvoy J W**
Subcapsular Cataract Induced by TGFB Involves an Epithelial-Mesenchymal Transition

10 00 – 10 30 COFFEE

10 30 – 11 15

SYMPOSIUM I

**DYNAMIC AND ADAPTIVE VISION:
RESULTS FROM TILT, RIVALRY AND READING
Chair: Dr Ted Maddess**



- S1.1 **Clifford Colin WG, Wenderoth Peter** *Dept Psychol Macquarie Univ*
A Functional Perspective on the Tilt After-Effect
- S1.2 **Freeman Alan W, Nguyen VA, Wong EMY** *Univ. of Sydney, Biomed*
What is Suppressed in Binocular Rivalry: An Eye or a Feature?
- S1.3 **Stuart Geoff W, Williams MJ and Castles A** *Univ of Melb, Dept Psyc*
Magnocellular Function in Subtypes of Developmental Dyslexia

11 15 – 12 45

**ORAL SESSION 2: RETINA AND SCLERA
Chair: Professor Neville McBrien**

- O2.1 **Sharma Shiwani, Della Neil G**
Identification and Characterisation of Novel Genes Expressed in the Retina and RPE

- O2.2 **Rakoczy Piroshka, Lai M, Shen Y, Daw N, Constable Ian**
Intracellular Regulation of Transgene Production Following Virus-Mediated Gene Delivery
- O2.3 **Gillies Mark, Caruso Lena**
The Effect of Tyrosine Kinase Inhibitors on the Phosphorylation of Ve-Cadherin in Bovine Retinal Capillary Endothelial Cells
- O2.4 **Gosbell Andrew, Jablonski Paula, Favilla Ian**
Diabetes Effects Insulin Synthesis in Rat Retina
- O2.5 **Timney Brian, Harman Alison, Macuda Todd, Ahmat Alicia**
Retinal Ganglion Cell Organisation and Visual Acuity in the Camel
- O2.6 **Sandercoe Trent M, Kendrickson A E, Provis Jan M**
Establishment of the Foveal Avascular Region and the Relationship to Formation of the Foveal Depression in Humans and Monkeys
- O2.7 **Georges Pierre, Madigan Michele C, Provis Jan M**
Distribution of Glutamine Synthetase (GS) and the Glutamate Transporter Glast During Human Retinal Development
- O2.8 **Boelen Meeuwis, Cottrill Charles**
Effects of Nightlights on Emmetropisation and Dopamine Release
- O2.9 **Morgan Ian, Boelen Meeuwis, Firth Sally**
Are D1-Dopamine Receptors Expressed by the ENSLI Amacrine Cells?

12 45 – 1 45

Lunch

1 45 – 3 15

ORAL SESSION 3: RETINOPATHY AND MACULAR DEGENERATION
Chair: Dr Peter McCluskey

- O3.1 **Tretiach Marina, Gillies Mark**
Involvement of Pericytes in the Regulation of Retinal Vascular Permeability
- O3.2 **McNeil Robyn J, Baird P N, Ms Cain, Allen P J, McCarty C A, Guymer R H**
Is there a Role for the Stargardts ABCR Gene in AMD?
- O3.3 **Gillies William E, Brooks Ann, Scott Mark**
Comparison of Colour Doppler Test Results with Findings on CT Angiography of Orbital Blood Vessels

- 03.4 **Penfold Philip L, van Driel D**
Ultrastructural and Immunocytochemical Analyses of Gliosis in Dry Macular Degeneration: Implications for the Barrier Status of the Retina
- 03.5 **Phipps Joanna A, Guymer Robyn H, Vingrys Algis J**
Functional Visual Outcomes One Month Post-Laser Treatment of High-Risk Drusen
- 03.6 **Vajdic Claire, Krickler Anne, Armstrong Bruce**
Constitutional Risk Factors for Ciliochoroidal Melanoma in Australia
- 03.7 **Nanjan Mukesh, Van Newkirk Mylan, Wang Jie, Mitchell Paul, Taylor Hugh, McCarty Cathy**
The Prevalence of Age-Related Maculopathy: The Visual Impairment Project
- 03.8 **Lee Sue J, Sicari Catia, Harper Alex C, Taylor Hugh R, Keeffe Jill E**
Program for the Early Detection of Diabetic Retinopathy: A Two-Year Follow-Up
- 03.9 **Keeffe Jill E, Taylor K I, McKay R, McCarty C A**
NHMRC Guidelines for Management of Diabetic Retinopathy: Evaluation of changes in Practice by Ophthalmologists and Optometrists

3 15 - 430

POSTER SESSION I (COFFEE)

Presenters of Posters 1- 57 should be at their Posters

4.30 – 5.00

THE PETER BISHOP PLENARY LECTURE

PROFESSOR JOHN MCAVOY

***Growth Factors in Lens Development and Cataract:
Key Roles for FGF and TGF-Beta***

***(McAvoy JW, Chamberland CG, Hales AM,
de Longh RU and Schulz, MW)***

**5 30 BUSES LEAVE COLLEGE & UNIVERSITY HOUSE
FOR DINNER**

**6 00 PM CONFERENCE RECEPTION & DINNER
NATIONAL GALLERY OF AUSTRALIA**

SUNDAY, 4 DECEMBER

8.00 – 8.30 CONTINENTAL BREAKFAST (At Venue)

8.30 – 9.30 SYMPOSIUM II

**PREVALENCE, IMPACTS AND COSTS OF
VISUAL IMPAIRMENT IN AUSTRALIA**
Chair: Professor Paul Mitchell

- S2.1 **Foran Suriya, Wang Jie Jin, Rochtchina Elena, Mitchell Paul**
Projected Number of Australians with Visual Impairment in Years 2000 and 2001
- S2.2 **Herse Peter, Gothwal Vijaya**
A Survey of Paediatric Visual Impairment in a Private Indian Eye Hospital
- S2.3 **Wang Jie Jin, Mitchell Paul**
Age-Specific Prevalence and Causes of Bilateral and Unilateral Visual Impairment in Older Australians: The Blue Mountains Eye Study
- S2.4 **Wright Suzie E, Keeffe Jill E, Thies LS**
The Cost of Vision Impairment in Australia
- S2.5 **Hassell Jenny B, Weih Leann M, Keefe Jill E**
A Measure of Handicap for Low Vision Rehabilitation – the Impact of Vision Impairment Profile (IVI)
- S2.6 **Nottle Helen, McCarty C, Hassell J, Keeffe J**
Detection of Vision Impairment in People Admitted to Aged Care Assessment Centres

ORAL PRESENTATIONS

9 30 – 11 10

**NOTE THERE ARE
TWO CONCURRENT ORAL SESSIONS AT THIS TIME**

ORAL SESSION 4: PSYCHOPHYSICS AND ELECTROPHYSIOLOGY Chair: Dr Johannes Zanker
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- O4.1 **Tkalcevic Linda, Abel Larry**
Small and Dim Won't Do: Adequate Visual Input is Needed for Perceptual Stability in Congenital Nystagmus
- O4.2 **Abel Larry A**
Oscillopsia as a Rare Presenting Symptom in Congenital Nystagmus
- O4.3 **Anderson Andrew J, Vingrys Algis J**
Effect of Stimulus Duration in Flicker Perimetry
- O4.4 **Zele Andrew J, Vingrys Algis J**
Flicker Sensitivity is Explained by Probability Summation between ON- and OFF-Mechanisms
- O4.5 **Lawson Murray L, Crewther David P, Crewther Sheila G**
Limitations of Temporal Visual Processing: The Effect of Presentation Speed
- O4.6 **Maddess Teddy, Davey M P, Bedford S**
Perceptual Gating of the Spatial Frequency Doubling Illusion
- O4.7 **Burns Nicholas R, Zanker Johannes M**
Streaming and Bouncing: Observations on Motion Defined Objects
- O4.8 **Fisher Nick, Zanker Johannes M**
Studying the Directional Tuning of the Barbers Pole Illusion
- O4.9 **Ryan Josh D, Zanker Johannes M**
On Perceived Speed of Random Dot Kinematograms: The Role of Dot Contrast
- O4.10 **Pei Jiantao, Cook Michael**
Is there a Size-Arrival Effect on Time-to-Contact Estimation?

ORAL SESSION 5: CORNEA AND LENS
Chair: Dr Mark Willcox

- O5.1 **Thakur Archana, Athmanathan S, Willcox MDP**
The Differential Regulation of Nitric Oxide (NO) by HSV-1 and HSV-2 in a Corneal Epithelial Cell Line
- O5.2 **Cher Ivan**
Superior Limbic Keratoconjunctivitis (SLK) Revisited: Aftermath and Afterthoughts
- O5.3 **Wakefield Denis, McCluskey Peter J, Monshat Kaveh, Beck Ross, Poon Alex, Lloyd Andrew**
Gene Expression in Grafted, Liposomally Transfected Corneas
- O5.4 **Hicks Celia R, Lou X, Crawford GL, Chirila TV, Vijayasekaran S, Maley M, Constable IJ**
Keratoprosthesis: Clinical trial
- O5.5 **Feltham Mark H, Stapleton Fiona**
Change in Central Corneal Thickness Following Lasik for Myopia
- O5.6 **Erickson Deborah, Stapleton Fiona, Erickson Paul, Kleitman Sabina**
Interpretation of McMonnies Dry Eye Questionnaire Must Consider the Personality Profile of the Patient
- O5.7 **McCarty Daniel J, McCarty Catherine A**
Survey of Dry Eye in Australian Pilots
- O5.8 **Evans Victoria, Willcox Mark DP, Millar Thomas J**
The Effect of Phosphodiesterase Inhibitors on the Tear Film
- O5.9 **Lan Jenny, Aliwarga Yulina, Holden Brien, Willcox Mark**
Bacterial Activity of the Cationic Peptide Protamine Against Ocular Opportunistic Bacterial Pathogens
- O5.10 **Wu Peter, Thakur A, Stapleton F, Willcox MDP**
Staphylococcus Aureus Causes Acute Inflammatory Episodes in the Cornea During Extended Contact Lens Wear

11 10 – 12 10

POSTER SESSION (COFFEE)

Presenters of posters 58-93 should be at their posters

12 10 – 12 40

THE FRED HOLLOWS PLENARY LECTURE

PROFESSOR IAN CONSTABLE

The Prospects and Current Limitations of Teleophthalmology

(Constable Ian and Yogesan Kanagasisingam)

12 40 – 1 40

Lunch

1 40 – 2 40

SYMPOSIUM III

Chair: Dr Fiona Stapleton

- S3.1 **Jalbert Isabelle, Stapleton Fiona, Papas Eric, Dimitriovska Suzie, Holden Brien**
Repeatability of Confocal Microscopy Measurements of Keratocyte Cell Density and Area
- S3.2 **Stapleton Fiona**
A Review of Techniques to Evaluate Tear Film
- S3.3 **Willcox Mark DP**
Molecular Techniques for Evaluating the Ability of Corneal Epithelial Cells to Produce Immunological Signals During Inflammation
- S3.4 **Francis Ian, Ehrmann K, Stapleton Fiona, Coroneo Minas T**
Lower Lid Tensometry in Ophthalmology

2 40 – 3 00

CLOSING SESSION and COFFEE

Name of Presenter Appears First

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