



Bosch Young Investigators Symposium
Friday 15 December 2006
Eastern Avenue Lecture Theatre

9:00 am **Registration**

9:15 am **Symposium Opening**

Welcome remarks Professor Nick King, Head of Pathology and Bosch Research Theme Leader "Infection, immunity & inflammation"

9:30-10:45 am **Oral Session One – Neuroscience (Chair: Cedric Bardy)**

Dr Michael Weible: *Oligodendrocytic lineage elaboration in human fetal spinal cord tissue derived neural precursor cells*

Erin Werry: *Substance P potentiates glutamate-stimulated ATP release from spinal cord astrocytes*

Hussein Mansour: *Age-related changes in the population and morphology of astrocytes provides evidence for reactive gliosis*

Sam Merlin: *Consequences of retinogeniculate mismatching: A functional characterisation of the visual pathway in the *Ten_m3* knockout mouse*

Daniel Getts: *The role of IFN- γ in West Nile Virus-induced seizures*

10:45-11:05 am **Morning Tea** **Trade Displays**

11:05-12:20 pm **Oral Session Two – Cell Biology (Chair: Iwan Williams)**

Dr Laura Lindsay: *A fluid transport model in the rat uterus during early pregnancy*

Craig Campbell: *PIP2 mediates sodium feedback inhibition in the epithelial sodium channel*

Joanna Biazik: *Tight junctional protein, occludin is upregulated with evolution of viviparity*

Tara Brennan: *Phosphodiesterase inhibitors enhance bone mass: Mechanism of action in human osteoblasts*

Qian Wang: *Erk 1/2 and PI3-kinase signaling pathways are required for vitreous-induced secondary lens fibre differentiation*

12:20-1:05 pm **Lunch** **Trade Displays**

(Note: make sure you have your passport stamped to go into the prize draw!)

1:05-2:20 pm Oral Session Three – Muscle & Respiration (Chair: Dr Nicholas Whitehead)

Dr Othon Gevasio: *Increased levels of TRPC1 and caveolin-3 in mdx mouse*

Cecily Oakley: *Studies of the N-terminal region of cardiac myosin binding protein-C*

Iwan Williams: *Improved calcium handling and reduced inflammation in mdx (dystrophic) mice hearts following in vivo treatment with the antioxidant N-acetylcysteine*

Sarah Boustany: *Absence of endogenous angiogenic inhibitor in asthmatic airway tissue*

Lachlan McDowall: *The effect of activation of neurons in the dorsomedial hypothalamus on central respiratory drive*

2:20-2:35 pm Afternoon Tea Trade Displays
(2.38pm Presentation of Passport Prize, Jacquie Stratford, COO Bosch)

2:40-3:55 pm Oral Session Four – Pharmacology (Chair: Dr Brian Oliver)

Dr Dong Fu: *Iron chelation regulates cyclin D1 expression via the proteasome: A link to iron deficiency-mediated growth suppression*

Yohan Suryo Rahmanto: *Identification of differential gene expression after modulation of melanoma tumour antigen P97 (Melanotransferrin)*

Nathan Gunasekaran: *Does stress-induced lipolysis enhance THC release from fat stores?*

Meichien Say: *Changes in serotonin receptor 1A expression in the SIDS brainstem and in comparative piglet models*

Michelle Holland: *Multidrug transporters MRP1 and BCRP are inhibited by plant-derived cannabinoids*

3:55-4:00 pm Closing remarks and introduction of Mr Bob Kotic
Professor Merlin Crossley, Deputy Vice Chancellor Research

4.00 – 4.05pm Award of Bercovici & Rebecca L. Cooper Prizes
Presented by Mr Bob Kotic, CFO and Deputy Vice Chancellor, University of Sydney

4:10-5:15 pm Poster Session –Anderson Stuart Building

5.30pm Award of Symposium Prizes
ELG Members of the Bosch Institute:
Professor Rebecca Mason, Professor David Allen & Professor Taloy Chan-Ling

Conference Dinner & Drinks followed by Entertainment by DJ Frew (Anderson Stuart Building courtyard)