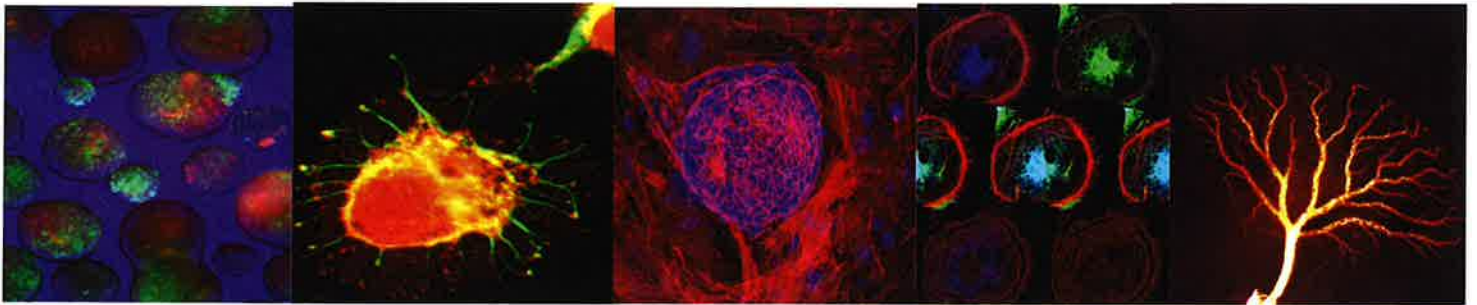


SCHOOL OF MOLECULAR & BIOMEDICAL SCIENCE

Providing science solutions to major health problems

Day Program 2012

Research Symposium



Thursday 29 November 2012, Scott Theatre, The University of Adelaide

9.00am Registration

9.10am Welcome & Opening Remarks

Prof. David Adelson, Head of School

Session 1 Research Directions sponsored by SARSTEDT Australia Pty Ltd
Chair: Frank Grutzner and Louise O'Keefe

9.20 **Dr. Mohammed Alsharifi**, Discipline of Microbiology & Immunology
"Enhanced viral replication in I-A-/- cells: explanations and applications"

9.45 **Dr. Simon Baxter**, Ramsey Fellow, Discipline of Genetics
"The evolution of adaptive phenotypes in butterflies and moths"

10.10 **Dr. John Brunning**, Discipline of Biochemistry
"Getting Data to Bragg about: X-ray Crystallography and You"

10.35 RCDN achievement award

11.00 – 11.30am Morning Tea/Coffee

Session 2 Keynote Speaker sponsored by Coherent Scientific Pty Ltd
Chair: Peter Hoffmann

11.30 **Prof. Rob Parton**, Institute for Molecular Bioscience, Australia
"New insights into the formation and function of caveolae"

12.05 **Dr. Karl Clauser**, The Broad Institute of MIT and Harvard, USA
"The Extracellular Matrix: Proteomic Signatures of Tumor Progression and Metastasis"

12.40 - 2.10pm Lunch & Poster Session

12.40-1.25 Judging odd numbered posters
Image/Movie viewing and popular vote

1.25 - 2.10 Judging even numbered posters
Image/Movie viewing and popular vote

- 2.10 **Dr. Iain Comerford**, Discipline of Microbiology & Immunology
'Inhibition of experimental autoimmune encephalomyelitis via transgenic expression of the atypical chemokine receptor D6'
- 2.30 **Dr. David Ogunniyi**, Discipline of Microbiology & Immunology
"New strategies towards understanding and prevention of pneumococcal disease"
- 2.50 **Best publication presentation**
Sponsored by Roche Diagnostics Australia Pty. Ltd.

3.00 -3.30pm Poster & Images Prize Announcements

Chair: Bryan Haines

Presentation of School Poster Prizes, **Prof. Rob Parton & Prof. David Adelson**,
Head of School

1st Poster Prize

2nd Poster Prize

Sponsored by VWR International, Pty Ltd.

Presentation of Science Digital Images Competition Prizes, **Dr. Karl Clauser & Prof. David Adelson**, *Head of School*

Sponsored by School of Molecular & Biomedical Science

3.30 - 4.15pm School Awards

Chair: Bryan Haines

Presentation of School Awards by Heads of Disciplines and Head of School

Biochemistry – Brian & Heather Forster Prize in Biochemistry (Honours)

Microbiology & Immunology – Derrick Rowley Prize for Honours

Presented by Noel Hayman - Genetics – The David Hayman Prize in Genetics

Postgraduate Academic Achievement Award

Postgraduate All-Round Achievement Award

Completions

Head of School's Certificates of Appreciation, **Prof. David Adelson**

Closing remarks by **Prof. David Adelson**, *Head of School*

4.15pm Mixer

No 1 - PhD (Microbiology & Immunology - Connor group)

Production of Vesicles Containing Live *Listeria monocytogenes* by the Ciliate *Colpoda* sp.

Rethish Raghu Nadhanan and Connor Thomas

No 2 – PhD (Biochemistry – Goodall group)

Role of Zeb1 and chromatin modifying enzymes in epithelial-to-mesenchymal transition

Francisco Sadras, Joanne Attema, Phillip Gregory and Gregory Goodall

No 3 - PhD (Biochemistry – Whitelaw group)

Mechanisms controlling neuronal-specific expression of bHLH/PAS transcription factor Arnt2

Veronica Bhakti, Nan Hao, Daniel Peet, Murray Whitelaw

No 4 – PhD (Biochemistry – Shearwin group)

DNA loop domains: Testing the theory of enhancer blocking insulators in *E. coli*

David Priest, Dr Keith Shearwin, Dr Ian Dodd

No 5 – Honours (Biochemistry – Peet group)

Analysis of TRP channels as substrates of FIH

Wai Li Lim, Sarah Linke, Lauren Watkins, Dan Peet

No 6 – PhD (Biochemistry – Hoffmann group)

Utilising quantitative immunoproteomics to reveal differential autoantibody signatures in serous ovarian cancer patients

Karina Martin, Carmela Ricciardelli, Martin K Oehler and Peter Hoffmann

No 7 – PhD (Microbiology & Immunology - Morona group)

Overexpression, Purification, and Characterization of O Antigen Polymerization Protein Wzy of *Shigella flexneri*.

Pratiti Nath and Renato Morona

No 8 – PhD (Microbiology & Immunology – Grimbaldston group)

Mast cells are key negative regulators of UVB-induced skin tumourigenesis

Houng Taing, Emma Gordon, Kelly Betterman, Kwok-Ho Yip, Gunnar Pejler, Stephen Galli, Angel Lopez, Natasha Harvey, Michele Grimbaldston

No 9 – Masters (Biochemistry – Forbes group)

Protease resistant IGFBP-2 as a potential tumour growth inhibitor

Cher-Lynn Soh, Carlie Delaine, Kerrie McNeil, John C. Wallace & Briony E. Forbes

No 10 – PhD (Genetics – Gregory Lab)

Investigation of the cellular apoptotic pathway in response to chromosomal instability

Dawei Liu, Zeeshan Shaukat, Louise O'Keefe and Stephen Gregory

No 11 – PhD (Biochemistry – McDevitt group)

Characterisation of a Type I secretion system from *Pseudomonas aeruginosa*

Victoria Lewis, Herbert Schweizer, James Paton and Christopher McDevitt

No 12 – PhD (Microbiology & Immunology - Beard group)

The interferon induced transmembrane protein (IFITM) family exhibit anti-HCV activity

Sumudu K Narayana, Karla J Helbig, Nicholas S Eyre, Erin M McCartney and Michael R Beard

No 13 – PhD (Biochemistry – Paul Thomas group)

Investigating direct targets of mSOX3 in neural progenitor cells

Dale McAninch, Nick Rogers and Paul Thomas

No 14 – PhD (Microbiology & Immunology - Beard group)

HCV-induced changes in gene expression in non-infected 'bystander' Huh-7 cells

Kate Muller, Nicholas Eyre, Kylie Van der Hoek, Kui Li and Michael Beard

No 15 – PhD (Genetics – Richard group)

Investigation of KLF5 Function in Normal Hematopoiesis

Nur Hezrin Shahrin, Anna L Brown, Sonya Diakiw and Richard J D'Andrea

No 16 – PhD (Biochemistry – Whitelaw group)

Pathology and functional relevance of mutations in Single-minded transcription factors

Adrienne Sullivan, Anne Raimondo, Tanja Schwab, John Bruning, Dan Peet and Murray Whitelaw

No 17 – PhD (Genetics – Gregory Lab)

Targeting chromosomal instabilities: Screening and characterization of CIN killers

Zeeshan Shaukat, Heidi Wong, Shannon Nicolson, Robert Saint and Stephen Gregory

No 18 – PhD (Biochemistry – Paul Thomas group)

Identification of Dbx1 as a novel Sox3 target gene

Nicholas Rogers, Dale McAninch and Paul Thomas

No 19 – PhD (Biochemistry – Peet group)

Non-classical action of Androgen Receptor

Navdeep Kaur Mann, Ravinder Anand-Ivell, Richard Ivell and Daniel Peet

No 20 – PhD (Microbiology & Immunology - Beard group)

Dynamic imaging of Hepatitis C virus RNA traffic and localisation

Guillaume N. Fiches, Nicholas S. Eyre, Stuart G. Turville and Michael R. Beard.

No 21 – PhD (Genetics – Adelson Lab)

Recombinant repeats: Evolutionary junk or experimental products to create novel transposable elements?

Sim Lin Lim and David L. Adelson

The Symposium & Awards Dinner Organising Committee

Assoc.Prof. Frank Grützner, Convenor
Dr. Stephen Kidd
Dr. Nicholas Eyre
Dr. Bryan Haines
Ms Amanda Choo
Mrs. Jennifer Peters
Mrs. Imelda Leavy

Discipline of Genetics
Discipline of Microbiology & Immunology
Discipline of Microbiology & Immunology
Discipline of Biochemistry
PhD Student, Richards Lab (Genetics)
Academic Programs Officer
School Executive Assistant

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