

Combined Biological Sciences Meeting 2018

Time	Session	Speaker	Title	Chair
8-8:40	Early Career Researcher Development Session (Case Study Room)	Dr Philipp Bayer Ms Alesha Heath Dr Nathanael Yates Dr Jamie Tedeschi	What have I learnt at the beginning of my research career?	Dr Ryan Anderton
8-8:30	Registration and Breakfast			
8:45	Welcome	Dr Clayton Fragall	Opening address	
9:00	Plenary (Theatre Auditorium)	Dr Stuart Ralph	Alternative splicing in human parasites	Professor Sue Fletcher
9:40	Dept of Heath WA New Investigator Session (Theatre Auditorium)	Stephanie Trend Clara Andradas Kelly Martinovich Patricia Macchiaverni	Short-Term Changes In Frequencies Of Circulating Leukocytes Associated With Narrowband UVB Phototherapy in Clinically Isolated Syndrome Cannabinoids Effectively Block Proliferation Of Paediatric Medulloblastoma Cells In Vitro Rescue of CFTR Function Impaired By Mutations in Exon 15 in Children with Cystic Fibrosis A role for early oral exposure to house dust mite proteases in food allergy susceptibility	Dr Carl Mousley
	ECU New Investigator Session (Case Study Room)	Laura Masters Telleasha Greay Han Leng Ng Nicole Bzdyl	Effects of natural sequence variation in the MHC class I immunomodulatory genes of murine cytomegalovirus. Insights into the bacterial microbiome and apicomplexan parasites of Australian companion animal ticks Induction of Complement Receptor 2 (CR2/CD21) Expression During B Cell Lineage Commitment Requires Notch Activation Folding Your Way to Pathogenicity; The Essential Role of Peptidyl-Prolyl Isomerase ppiB in Burkholderia pseudomallei Virulence	Dr Megan Lloyd
10:40	Morning Tea (sponsored by Fisher Biotech)			
11:00	Upper and Lower Colonnade	Poster Session		
11:30	Plenary (Theatre Auditorium)	Professor Ala Tabor	FantasTICK outcomes from tick OMICs	Dr Charlotte Oskam
12:10	Enabling Technologies Session (Theatre Auditorium)	Dr Malcolm Lawson Professor Alistair Forrest	Zebrafish at UWA - Find out more! New genomics equipment for single cell profiling and validation	Dr Kate Hammer
12:30	Lunch (sponsored by PathTech)			
1:30	Invited Speakers	Australasian Society for Immunology (Theatre Auditorium) Professor Benjamin Marsland Lung homeostasis: influence of age, microbes and the immune system	Cell and Developmental Biology (Case Study Room) Assoc Prof Rohan Teasdale Parkinson Disease associated retromer variants alter endosomal trafficking pathways	Frontiers in Genetics (Seminar Room 1) Dr Laura Boykin Real time portable genome sequencing for global food security
				One Health (Seminar Room 2) Dr Miegghan Bruce Using a One Health approach to demonstrate the benefits of improving livestock health
2:10	Student Speakers	Lelinh Duong Courtney George Wee Loong Chin Amy Prosser	Rikki Brown Sebastian Pohl Melissa Eccles Thomas McLeod	Sarah Beecroft Katrina West Lucy Furfaro Janya Grainok
3:10	Afternoon Tea			
3:30	Invited Speakers	Dr David Martino Dr Iona Schuster	Dr Archa Fox Dr Carl Mousley Dr Pei Ying Ng	Dr Emma De Jong Dr May Thandar Aung-Htut Mr Grahame Bowland
4:30	Plenary (Theatre Auditorium)	Professor Peter Currie	The role of distinct populations of muscle stem cells during regeneration and organ growth	Professor Steve Wilton
5:10	Scientific Awards	Dr Clayton Fragall	Scientific award ceremony and closing address	
5:30 - 7:30	Sundowner (sponsored by Illumina)			

Australasian Society for Immunology					
1:30	Keynote Speaker	Professor Benjamin Marsland	Lung homeostasis: influence of age, microbes and the immune system		Professor Valerie Verhasselt
2:10	Student Speakers	LeLinh Duong Courtney George Wee Loong Chin Amy Prosser	Ageing leads to perturbation of Akt/mTOR signalling in tumour-associated macrophages which corresponds with faster mesothelioma tumour growth in elderly mice Assessing The Interplay Between Resident And Infiltrating Immune Cell Populations In Murine Medulloblastoma Following Treatment With Chemotherapy Rational therapeutic modulation of the tumour microenvironment sensitizes cancers to immune checkpoint blockade Tissue-Resident Cells; Underpinning Transplanted ORgan Tolerance and Rejection		
3:10 Afternoon Tea					Dr Bree Foley
3:30	Invited Speakers	Dr David Martino Dr Iona Schuster	Epigenetic dysregulation of naïve T-cell activation in childhood food allergy Resident and Trafficking Group 1 Innate Lymphoid Cells in Viral Infection		

Cell and Developmental Biology Symposium					
1:30	Keynote Speaker	Assoc Prof Rohan Teasdale	Parkinson Disease associated retromer variants alter endosomal trafficking pathways		Assoc/Prof Oliver Rackham
2:10	Student Speakers	Rikki Brown Sebastian Pohl Melissa Eccles Thomas McLeod	Axing Ax1 to Treat Drug Resistant Head and Neck Cancers DDX20-mediated Wnt/ β -catenin signaling determines cell fate decisions through cellular redox in triple-negative breast cancer Specific Combinations of Presenilin 1 Protein Regions Are Required for Differential Cleavage of Amyloid Precursor Protein and Notch1 Receptor Investigating the complex interactions required ERAD-icate reduced Sil1p		
Afternoon Tea					Assoc/Prof Nathan Pavlos
3:30	Invited Speakers	Dr Archa Fox Dr Carl Mousley Dr Pei Ying Ng	New insights into subnuclear paraspeckles: where long noncoding RNA meets phase separation Closing The Gate On The ER Translocon Using Big Data imaging to unravel the risks and/or benefits of cell-cell fusion in macrophages, osteoclasts and giant multinucleated cells		

Frontiers in Genetics Symposium				
1:30	Keynote Speaker	Dr Laura Boykin	Real time portable genome sequencing for global food security	Professor Sue Fletcher
2:10	Student Speakers	Sarah Beecroft Katrina West Lucy Furfaro Janya Grainok	Characterising Novel a Myosin Mutation from a Victorian Family Comprehensive eDNA metabarcoding survey reveals localised signals & spatially-driven marine community variation across the tropical Cocos (Keeling) Islands Whole Genome Analysis of Clinical Group B Streptococcus Isolates from Western Australia Rescuing Splicing Function in Retinitis Pigmentosa 11 by Upregulation of PRPF31 using Splice-switching Antisense Oligonucleotides	
3:10	Afternoon Tea			
3:30	Invited Speakers	Dr Emma De Jong Dr May Thandar Aung-Htut Mr Grahame Bowland	Insights into asthma and unified airways disease through transcriptomics of epithelial cells Late onset Pompe disease: rescue of acid alpha-glucosidase expression by splice modification Australian Microbiome project	Dr Monika Tschochner

One Health Symposium

1:30	Keynote Speaker	Dr Mieghan Bruce	Using a One Health approach to demonstrate the benefits of improving livestock health	Dr Charlotte Oskam
2:10	Student Speakers	Cindy Palermo Anastazja Gorecki Ali Harb Alice Michie	The first report of Asian fish tapeworm (<i>Schyzocotyle acheilognathi</i>) in Perth, Western Australia Gut Feelings about Parkinson's Disease: Gut Microbial Diversity and Abundance are related to Motor Symptom Severity in an Australian Cohort Molecular detection and epidemiological features of selected enteropathogens in stool specimens from children with acute diarrhoea in Iraq Investigating the Phylogeography of Ross River virus in Western Australia and the Pacific Islands through Whole Genome Sequencing Techniques	
3:10 Afternoon Tea				
3:30	Invited Speakers	Dr Josh Ramsay Dr Amanda Ash Dr Harapan Harapan	Redefining mechanisms of antibiotic-resistance plasmid transfer in <i>Staphylococcus aureus</i> Controlling <i>Taenia solium</i> with a one-health therapeutic intervention: a pilot study from northern Lao PDR. Transmission dynamics of major arboviruses in the Asia-Pacific region	Dr Amanda Barbosa