

## Combined Biological Sciences Meeting 2017

Time	Session	Speaker	Title	Chair	
8-8:40	Early Career Researcher Development Session (Case Study Room)	Professor Helene Marsh	Postgraduate opportunities outside the research stream	Dr Sarah Rea	
		Dr Siouxsie Wiles	Leadership, mentorship and sponsorship		
8-8:30	<b>Registration and Breakfast</b>				
8:45	Welcome	Dr Clayton Fragall	Opening address		
9:00	Plenary (Theatre Auditorium)	Dr Nicolas Plachta	Imaging the molecular and cell dynamics that form the early mouse embryo	Professor Sue Fletcher	
9:40	Dept of Heath WA New Investigator Session (Theatre Auditorium)	Niall Keegan	Florons: A New Type of Nested Intron	Dr Sarah Rea	
		Jarrad Hall	Flow Cytometry-Assisted Susceptibility Testing Directly From Blood Cultures	Dr Carl Mousley	
		Li Shan Chiu	Cationic Arginine-Rich Peptides Have Neuroprotective Potential In Experimental Traumatic Brain Injury.		
		Shakeel Mowlaboccus	Whole Genome Sequencing Reveals a New Cluster of Penicillin-resistant Serogroup W Neisseria meningitidis in Western Australia		
	ECU New Investigator Session (Case Study Room)	Alicia Grealy	Molecular audit of fossil eggshell revises systematics of giant extinct bird	Dr Megan Lloyd	
		Mahreen Arooj	What happens to proteins at electrified liquid interfaces: the adsorption and unfolding of lysozyme		
		Jua Iwasaki	Characterisation of Novel Antimicrobials Targeting Bacterial Immunophilins		
		Wan Jun Tie	Observations of E.coli and S.aureus-inoculated human milk after Cold Centrifugation		
10:40	<b>Morning Tea (sponsored by the Perron Institute)</b>				
11:00	Upper and Lower Colonnade	<b>Poster Session</b>			
11:30	Plenary (Theatre Auditorium)	Dr Siouxsie Wiles	Illuminating science!	Assoc/Prof Nathan Pavlos	
12:10	Enabling Technologies Session (Theatre Auditorium)	Ms Alysia Buckley	Super Resolution Microscopy	Dr Clayton Fragall	
12:30	<b>Lunch (sponsored by the Telethon KIDS Institute)</b>				
1:30	Invited Speakers	<b>Australian Society for Microbiology</b> (Theatre Auditorium)	<b>Cell and Developmental Biology</b> (Case Study Room)	<b>Frontiers in Genetics</b> (Seminar Room 1)	<b>Ecology, Environment and Evolution</b> (Seminar Room 2)
		Professor Glen Ulett Implications of Streptococcus urinary tract infection for human health	Dr Natasha Harvey Defining the genetic and developmental basis of human lymphatic vascular disease	Dr Gerald Watts Inherited Heart Disease: Familial Hypercholesterolaemia and related paradigms	Dr Joseph DiBattista Pathways and perils: Genetic approaches to infer ecological and evolutionary patterns in a specialized group of reef fish
2:10	Student Speakers	Timothy Haskett	Rachel Harries	Craig McIntosh	Anna-Sheree Krige
		Kritu Panta	Hannah Newnes	Daniel Wernldy	Janine Kuehs
		Timo Ernst	Tracy Seymour	HuanTing Ong	Frederik Seersholm
		Khondoker Dastogeer	Adam Edwards	Jacob Kenny	Paula Cartwright
3:10	<b>Afternoon Tea (sponsored by Fisher Biotec)</b>				
3:30	Invited Speakers	Professor Tim Inglis	Assoc/Prof Julian Heng	Dr Fred Chen	Dr Manda Page
		Dr Janessa Pickering	Dr Yu Suk Choi	Ms Laura Nutton	Dr Joel Huey
		Dr Dierdre Collins			Dr Anna Hopkins
4:30	Plenary (Theatre Auditorium)	Professor Helene Marsh	From carcasses to satellites: the development of marine mammal science	Dr Joshua Smith	
5:10	Scientific Awards	Dr Clayton Fragall	Scientific award ceremony and closing address		
5:30 - 7:30	<b>Sundowner (sponsored by PathTech)</b>				

Australian Society for Microbiology Symposium				
1:30	Keynote Speaker	Professor Glen Ulett	Implications of Streptococcus urinary tract infection for human health	Dr Mitali Sarkar-Tyson
2:10	Student Speakers	Timothy Haskett Kritu Panta Timo Ernst Khondoker Dastogeer	Coordinated Assembly and Transfer of Tripartite Symbiosis Integrative and Conjugative Elements Using Antigenic Cartography to Define Relationships among Dengue Viruses (DENV) Imported By Travellers Persistence of a Novel Dengue Virus 2 Cosmopolitan Genotype Lineage That Emerged in Indonesia in 2011, Identified in the Western Australian Traveller Cohort Mutualistic Fungal Endophytes Enhance Host Tolerance to Water Stress through Reprogramming Host Metabolism	
3:10	<b>Afternoon Tea</b>			
3:30	Invited Speakers	Professor Tim Inglis Dr Janessa Pickering Dr Diedre Collins	On the FAST track to improved antimicrobial susceptibility test A potential role for environmental bacteria in the exacerbation of Non-typeable Haemophilus influenzae infections Epidemiology of Clostridium difficile infection in Asia-Pacific countries	Assoc/Prof Charlene Kahler

Cell and Developmental Biology Symposium					
1:30	Keynote Speaker	Dr Natasha Harvey	Defining the genetic and developmental basis of human lymphatic vascular disease		Assoc/Prof Nathan Pavlos
2:10	Student Speakers	Rachel Harries Hannah Newnes Tracy Seymour Adam Edwards	Characterising a Mouse Model of Nemaline Myopathy Caused by Mutations in the Nebulin Gene Investigating the antifungal drug ciclopirox olamine to treat metastatic melanoma Sensitising glioblastoma to enhance cancer therapy The poly-arginine-18 (R18) peptide is neuroprotective in a modified model of perinatal hypoxic-ischaemic encephalopathy		
3:10 <b>Afternoon Tea</b>					Dr Raelene Endersby
3:30	Keynote Speaker	Assoc/Prof Julian Heng Dr Yu Suk Choi	Causative mutations in human brain developmental disorder - detection as a first step on the path to new remedies Stem cell migration and mechanotransduction on linear stiffness gradient hydrogels		

Frontiers in Genetics Symposium					
1:30	Keynote Speaker	Dr Gerald Watts	Inherited Heart Disease: Familial Hypercholesterolemia and related paradigms		Professor Sue Fletcher
2:10	Student Speakers	Craig McIntosh Daniel Wernldy HuanTing Ong Jacob Kenny	Antisense Oligonucleotide-Mediated Exon Skipping to Treat Spinocerebellar Ataxia Type 3 Ancient DNA signatures from bulk bone reveal significant patterns of faunal turn-over at the Younger Dryas at Hall's Cave, Texas A Bioinformatics Approach To Secretome Of Mesenchymal Stem Cells For Wound Healing In The Eardrum Identification of Genes Regulating Osteoarthritis Development Using a Mouse Phenotype Library		
<b>Afternoon Tea</b>					Dr Sarah Rea
3:10					
3:30	Invited Speakers	Dr Fred Chen Ms Laura Nutton	Using patient stem cells to develop treatment for inherited retinal diseases Detection of Human Male DNA from whole <i>Lucilia sericata</i> (Meigen) (Diptera: Calliphoridae) Larvae using the Quantifiler® Trio DNA Quantification Kit		Dr Monika Tschochner

Ecology, Environment and Evolution Symposium					
1:30	Keynote Speaker	Dr Joseph DiBattista	Pathways and perils: Genetic approaches to infer ecological and evolutionary patterns in a specialized group of reef fish		Dr Nicole White
2:10	Student Speakers	Anna-Sheree Krige Janine Kuehs Frederik Seersholm Paula Cartwright	Nationwide survey of ticks (Ixodidae) removed from echidna ( <i>Tachyglossus aculeatus</i> ) between 1928 and 2013 reveals new tick-host records. Predator-Prey Activity Patterns In The Urban Landscape: The Case Of The Quenda Vs The Cat Tapping Into The Unsampled Biodiversity Of New Zealand: An Ancient DNA Survey Of Excavated Bulk Bone Carbonate sediments in a fringing reef lagoon: Implications of climate change for beach nourishment at Coral Bay, Western Australia		
<b>Afternoon Tea</b>					
3:30	Invited Speakers	Dr Manda Page Dr Joel Huey Dr Anna Hopkins	The Important Role of Science in Threatened Fauna Recovery Programs in Western Australia Exploring biogeographic hypotheses in arid zone arachnids Quenda as ecosystem engineers: A common biopedturbator is an important vector for mycorrhizal fungi in urban landscapes		