

Combined Biological Sciences Meeting 2019

Time	Session	Speaker	Title	Chair	
8-8:40	Early Career Researcher Development Session (Case Study Room)	Dr Joshua Lewis	Writing a successful fellowship application, lessons learned the hard way!	Dr Raelene Endersby Ms Hannah Greig	
8-8:30	Registration and Breakfast				
8:45	Welcome	Dr Clayton Fragall	Opening address		
9:00	Plenary (Theatre Auditorium)	Professor Sarah Bekessy	The critical role of 'everyday nature' for the future of cities	Dr Charlotte Oskam	
9:40	Dept of Heath WA New Investigator Session (Theatre Auditorium)	Ms Shelley Waters Ms Jennifer Currenti Dr Lucy Furfaro Dr Rachael Zemek	Digging deep to reveal novel CMV variants and associations with patient outcome Deep sequence analysis of HIV adaptation following vertical transmission reveals the impact of immune pressure on the evolution of HIV Group B Streptococcus colonisation of Western Australian pregnant women Sensitisation to immune checkpoint blockade through activation of a STAT1/NK axis in the tumour microenvironment	Dr May Aung-Htut Dr Jessica Buck	
	ECU New Investigator Session (Case Study Room)	Mrs Julie Sartori Dr Kritu Panta Dr Kai Chen Dr Pauline Zaenker	The Placenta Project: Characteristics in Assisted & Non-Assisted Pregnancy for a Western Australian Cohort Dengue antibody and Zika Pseurotin A Prevents Estrogen Deficiency-induced Bone Loss by Inhibiting Osteoclastogenesis Identification and Validation of a Diagnostic Autoantibody Signature for Primary Cutaneous Melanoma	Dr Megan Lloyd	
10:40	Morning Tea (sponsored by Murdoch University)				
11:00	Upper and Lower Colonnade	Poster Session			
11:30	Plenary (Theatre Auditorium)	Professor Mark Nicol	Early life microbial exposures and health outcomes in young African children	Assoc Prof Charlene Kahler	
12:10	Enabling Technologies Session (Theatre Auditorium)	Dr Torben Kimhofer	The Australian National Phenome Centre	Mr Lawrence Liew	
12:30	Lunch (sponsored by Telethon KIDS Institute)				
1:30	Keynote Speakers	Australian Society for Microbiology (Theatre Auditorium) Professor Helen Marshall Impact of MenB vaccine on meningococcal disease and carriage of N. meningitidis in S. Aust. Adolescents	Cell and Developmental Biology (Case Study Room) Dr Michael Lazarou Sending bad mitochondria to the garbage disposal: Insights into PINK1/Parkin mitophagy	Frontiers in Genetics (Seminar Room 1) Dr Sam Abraham Seagulls and Superbugs: Role of genomics in understanding the spread of antimicrobial resistance	Biodiversity (Seminar Room 2) Dr Nathalie Butt Tough choices: assessing threats and prioritising conservation investment
		Amy Davis Patrice Maher Emily Kibble Aleesha Davis	Janya Grainok Samuel Montgomery Emma Panting Heng Qiu	Jessica Cale Adriana Foster Laetitia Hughes Jessica Cheng	Alice Michie Kamil Braima Siobhon Egan Kenny Choo
2:10	Student Speakers				
3:10	Afternoon Tea				
3:30	Invited Speakers	Professor Jeffrey Keelan	Dr Sébastien Malinge	Dr Christian Pflüger	Dr Jennifer Kelley
		Assoc Professor Asha Bowen	Dr Yu Yu	Ms Sarah Beecroft	Dr Alison Ritchie
4:30	Plenary (Theatre Auditorium)	Professor Alpha Yap	Tissue forces and epithelial homeostasis	Assoc Prof Nathan Pavlos	
5:10	Scientific Awards	Dr Clayton Fragall	Scientific award ceremony and closing address		
5:30 - 7:30	Sundowner (sponsored by WRAYS)				

Australian Society for Microbiology				
1:30	Keynote Speaker	Professor Helen Marshall	Impact of MenB vaccine on meningococcal disease and carriage of N. meningitidis in South Australian adolescents	Assoc Professor Charlene Kahler
2:10	Student Speakers	Amy Davis Patrice Maher Emily Kibble Aleesha Davis	Re-Evaluating the Role of Restriction Modification Systems as a Barrier to Horizontal Antimicrobial-Resistance Gene Transfer in Staphylococcus aureus The Nuclear Receptors at the Interface of the Gut Microbiota-Host Communication Macrophage Infectivity Potentiator-like Proteins Affect Virulence of Neisseria meningitidis Is a PITP a novel regulator of encystation in Giardia duodenalis?	Dr Lucy Furfaro
3:10	Afternoon Tea			
3:30	Invited Speakers	Professor Jeffrey Keelan Assoc Prof Asha Bowen	Development of a Microbiological Test for Infection-Associated Preterm Birth Healthy skin for Aboriginal kids: from bush to bench to bedside	Professor Mark Nicol

Cell and Developmental Biology Symposium					
1:30	Keynote Speaker	Dr Michael Lazarou	Sending bad mitochondria to the garbage disposal: Insights into PINK1/Parkin mitophagy		Assoc/Prof Oliver Rackham
2:10	Student Speakers	Janja Grainok Samuel Montgomery Emma Panting Heng Qiu	Antisense Oligomer-mediated Functional Disruption of CNOT3 to Treat PRPF31-associated Retinitis Pigmentosa 11 IL-1 Is Associated with Epithelial Necrosis in Cystic Fibrosis Airways Following Rhinovirus Infection Endogenous glucocorticoids are an important regulator of mouse placental development and hemodynamic function in late gestation RANKL M199 residue is a structural determinant critical for osteoclast differentiation and signalling activation.		
3:10 Afternoon Tea					Dr Raelene Endersby
3:30	Invited Speakers	Dr Sébastien Malinge Dr Yu Yu	Developmental and lineage specificity in Down syndrome leukaemia: a key role for the kinase DYRK1A Translating Phosphoproteomics Data for New Therapy in Recurrent High-Grade Serous Ovarian Carcinoma		

Frontiers in Genetics Symposium					
1:30	Keynote Speaker	Dr Sam Abraham	Seagulls and Superbugs: Role of genomics in understanding the spread of antimicrobial resistance		Professor Sue Fletcher
2:10	Student Speakers	Jessica Cale Adriana Foster Laetitia Hughes Jessica Cheng	Rescue of Fibrillin-1 Microfibril Formation in Fibroblasts from Individuals with Marfan Syndrome ALS-associated TBK1 variant p.G175S is unable to phosphorylate p62 Serine residue 403 and fails to promote NF-κB signalling Misregulation of Mitochondrial Protein Synthesis Leads to Cardiomyopathy Regulatory architecture of the RCA gene cluster captures a novel intragenic boundary and enhancer elements in B cells		
Afternoon Tea					
3:30	Invited Speakers	Dr Christian Pflüger Ms Sarah Beecroft	Generating designer cells by epigenome editing Targeted gene panels in 2,200 neurology patients: the Australasian referral centre experience		Dr Sarah Rea

Biodiversity Symposium

1:30	Keynote Speaker	Dr Nathalie Butt	Tough choices: assessing threats and prioritising conservation investment	Dr Charlotte Oskam
2:10	Student Speakers	Alice Michie Kamil Braima Siobhoan Egan Kenny Choo	Genome-scale Phylogeny and Evolutionary Analysis of Ross River virus Reveals Periodic Sweeps of Lineage Dominance in Western Australia, 1977 – 2014. Retrospective analysis of Cryptosporidium species in Western Australian human patients (2015-2018), and emergence of the C. hominis IfA12G1R5 subtype Insights into the ecology of the ornate kangaroo tick, Amblyomma triguttatum Characterising aroma profile and investigating bacterial communities on Australian and Spanish black Périgord truffle (Tuber melanosporum)	
3:10	Afternoon Tea			
3:30	Invited Speakers	Dr Jennifer Kelley Dr Alison Ritchie	How 'Nemo' got his stripes The Use of Innovative Seed Enhancement Technologies to Overcome Barriers to Restoration Success In A Biodiversity Hotspot	Dr Amanda Barbosa