

Day 1: Wednesday 9 September

Chair	Presenter	Title	Start Time		
			AEST	ACST	AWST
	Alistair Legione	Welcome to Microseq 2021	12:00	11:30	10:00
John-Sebastian Eden	P Robyn Hall	Ecology, epidemiology, and evolution of rabbit caliciviruses in Australia	12:10	11:40	10:10
	M Rachael Lappan	Atmospheric trace gases are major energy sources for oceanic bacteria	12:40	12:10	10:40
	M Joshua Vido	Unravelling bacterial community dynamics in response to subsoil deep-banded amendment addition	12:55	12:25	10:55
Margaret Lam & Ellen de Vries	L Miranda Pitt	Evaluating the "-omes" of XDR/ PDR <i>Klebsiella pneumoniae</i> using Native DNA and RNA Nanopore Sequencing			
	L Aurelie Tsee Woon Yuen	Characterisation of the IncP-10 plasmid, R91-5 which inhibits the conjugal transfer of IncP-1 plasmid RP1			
	L Olusola Olagoke	Development of improved real-time PCR assay for the detection of fungal DNA	13:10	12:40	11:10
	L John Webster	The improved detection of <i>Xanthomonas citri</i> subsp. <i>citri</i> using genomics to design a subspecies specific Loop-mediated Isothermal Amplification assay			
		Lighting Talk Chats			
		Break	13:35	13:05	11:35
	M Ryan Wick	Trycycler and Polypolish: striving for perfect bacterial genome assemblies	13:50	13:20	11:50
	M Eike Steinig	Signature of epidemic growth in the emergence of community-associated MRSA	14:05	13:35	12:05
Stephanie Lynch & Samuel Phillips	M Tavish Eenjes	Linked machine learning classifiers improve species classification of fungi when using error-prone long-reads on extended metabarcodes	14:20	13:50	12:20
	L Calum Walsh	FANGORN: A quality-checked and publicly available database of full-length 16S-ITS-23S rRNA operon sequences			
	L Sabrina Sadiq	RNA Virome Composition is Shaped by Sampling Ecotype			
	L Yi Nong	Investigating the role of qacA-mediated antiseptic tolerance in the clonal expansion of sequence type 45 methicillin-resistant <i>Staphylococcus aureus</i>	14:35	14:05	12:35
	L Athukorala Athukorala	High-throughput sequencing reveals the discovery of a novel viral pathogen from the critically endangered, orange-bellied parrot (<i>Neophema Chrysogaster</i>)			
		Lighting Talk Chats			
		Break	15:00	14:30	13:00
Guillaume Méric	P Vanessa Marcelino	The quest for accurate microbiome classification from metagenome data	15:15	14:45	13:15
	M Jackie Mahar	Using meta-transcriptomics to explore the diverse virome of Australian lizards	15:45	15:15	13:45
Maria Jenckel & Binod Rayamajhee	M Raphael E Philipona	A pouch full of microbes? Verifying the presence of microbes in the wombat pouch	16:00	15:30	14:00
	L Xinwei Ruan	Defining the core microbiome of the saliva of healthy adults			
	L Kimberley Dainty	wMel Wolbachia genome remains stable in <i>Aedes aegypti</i> field populations	16:15	15:45	14:15
	L Phuong Doan	Novel pathogenesis of newly emerged Newcastle disease virus genotype VII			
		Lighting Talk Chats			
		Break	16:30	16:00	14:40
Calum Walsh & Tavish Eenjes	M Geraldine Kong	Altered gut microbiome function and plasma metabolome profile implicates the microbiome-gut-brain axis in Huntington's disease	16:45	16:15	14:45
	M Sohaib Quraish	The Deep Granitic Biosphere Underlying the Chicxulub Impact Crater	17:00	16:30	15:00
	M Barbara Brito Rodriguez	A metatranscriptomic approach to detect the viral and bacterial spectrum from bovine nasal swabs	17:15	16:45	15:15
	M Jane Hawkey	Diversity and transmission of ESBL plasmids in <i>Klebsiella pneumoniae</i> in the hospital setting	17:30	17:00	15:30

Plenary talk (P), Medium Talk (M) and Lightning Talk (L)