

Day 2 Thursday 5th December Morning

Time	Room 1	Room 2
9:00	Housekeeping	
9:15	ECR Plenary Maddie James Uncovering the genetic architecture of parallel evolution	
9:30		
9:45		
	Taxonomy/phylogenetics. Chair: Emma Sherratt	Adaptation. Chair: John Whale
10:00	Kenny Travouillon - New Fossil Koala (Marsupialia: Phascolarctidae) from the Pleistocene of Western Australia	Genevieve Law - Mutation rate and mito-nuclear co-adaptation in the unusual duplicated mitogenomes of Australasian stingless bees (Apidae: Meliponini)
10:15	Cameron Dodd - Cryptic Kultarr: Two new species of dasyurid marsupial	Kathleen McLay - Chromosomal Inversions facilitate adaptive evolution in a native Australian wildflower
10:30	Emma Holvast - Do Morphometric Data Improve Phylogenetic Reconstruction? A Systematic Review and Assessment	Rowan Lymbery - Adaptation to climate change via range shifts and genetic evolution in a global biodiversity hotspot
10:45	Morning tea	
11:00		
	Sexual selection/reproduction. Chair: Natasha LeBas	Microbial evolution/resistance. Chair: Mike McDonald
11:15	Rhiannon Eastment - The evolutionary genetics of mouthbrooding in African cichlids	Storme de Scally - Coevolution leads to increased resistance to invasion
11:30	Aadhikesav Ramkumar - Empirical evidence for mating status-dependent choosiness in <i>Drosophila melanogaster</i>	Christopher Blake - Ecosystem in a bottle: Experimental evolution of a multi-trophic microcosm
11:45	Hyoseul Hyun - Another cost of sex: Is the frequency of sex linked to changes in male and female quality?	Soffi Kei Kei Law - Exploiting trade-off to delay the evolution of antibiotic resistance
12:00	Ashley Potter - Ejaculate Volumes Exceed Female Tracts Across Metazoans	Atharva Bhide - Nitrogen availability shapes microbial community evolution on plant roots
12:15	Vayani Abeyasinghe - Shifting pathogen landscapes: Understanding the effects of host sex ratio on disease dynamics	Sarah Hurley - Experimental Evolution of Nitrogen-fixing Bacteria on the Plant Root
12:30	Lunch	
12:45		
13:00		
13:15		

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Time	Speciation/conservation. Chair: Putter Tiatragul	Behaviour/sociality. Chair: Jen Kelley
13:30	Monique Van Dorssen - A lonely worm genome in a rapidly changing environment	Eleanor Moore - Impacts of a widespread pharmaceutical pollutant on cognition in fish
13:45	Linette Umbrello - Evolution of the world's smallest marsupials (Dasyuridae: Planigale)	Samuel Lymbery - Ants and the science of war
14:00	Kamryn Carter - Hiding in plain sight: uncovering cryptic diversity in a hyper-arid desert gecko	Grace Blackburn - Investigating the relationship between physical cognitive tasks and a social cognitive task in a wild bird
14:15	Renee Catullo - The persistence of astonishingly old and naturally fragmented species in the SW peats	Lucy Southwell-Hambly - Evolution of cuticular hydrocarbon profiles in <i>Myrmecia</i> (bull-ant) species
14:30	Shengyao Lin - Conservation genetic management of the Northern Territory's only threatened frog; the short range endemic Howard Springs Toadlet (<i>Uperoleia daviesae</i>)	Stephanie Mason - Social magpies learn faster; how social complexity influences vocal ontogeny in the Western magpie
14:45	Afternoon tea	
15:00		
15:15	Flash Talks (various topics). Chair: Upama Aich	
15:30	Lucinda Aulsebrook - Is sexual selection adaptive in warming environments	
15:30	Jennifer Kelley - Evolution of leaf mimicry in fruit-piercing moths	
15:45	Annie Guillaume - Multiscale variables for nuanced insights into local adaptation	
15:45	Anna Depiazzi - Taxonomic trends in protein domain diversity in teleosts	
15:45	Jess Herbert - Are heatwaves a buzzkill? The effects of temperature on native bee behaviour and cognition	
16:00	Lucas Le Gall - Inferring ancestral foraging and locomotion traits to trace the evolution of hopping among marsupials: why do kangaroos hop?	
16:00	Sudeep Meena - The co-evolution of life-history traits and macronutrient appetites.	
16:00	Patricia Slattery - Male dimorphism and kin recognition in egalitarian Australian sweat bees (Halictidae: Hymenoptera)	
16:00	Danelle van den Berg - TBC	
16:15	<i>free time</i>	
16:30		
16:45	ECR breakout	
17:00		
17:15		
17:30		
17:45		
18:00		