

University of Western Australia

Perth, WA 2024

Day 1 Wednesday 4th December			Day 2 Thursday 5th December			Day 3 Friday 6th December		
me Room 1 Room 2		Time		Room 2	Time	Room 1	Room 2	
	nerratt and Vice-President Renée Firman	9:00	Houseke		9:00	11001111	11001112	
9:15 ECR Plenary 9:30 Sara Ryding		9:15 9:30	5 ECR Plenary 0 Maddie James 5 Uncovering the genetic architecture of parallel evolution		9:15	.15 Annual General Meeting (AGM) .330 .45		
9:45 Long- and short-term responses to climate change	9:45 Long- and short-term responses to climate change in body and appendage size of diverse Australian birds				9:45			
Thermal tolerance/climate change. Chair: Bob Wong	Genomics/population genetics. Chair: Marcus Michelangeli			Adaptation. Chair: John Whale		Plasticity. Chair: Jon Evans	Genomics. Chair: Rich Edwards	
10:00 Christen Mirth - Stressful interactions: how does genetic variation shape plastic responses to combined thermal and nutritional stress?	Rhiannon Schembri - Gene expression divergence in Poephila finches	10:00	Kenny Travouillon - New Fossil Koala (Marsupialia: Phascolarctidae) from	Genevieve Law - Mutation rate and mito-nuclear co-adaptation in the unusual duplicated mitogenomes of Australasian stingless bees (Apidae: Meliponini)	10:00	Erin Macartney - Macronutrient balance on brown adipose tissue function in fathers and non-genetic inheritance in offspring	Jennifer Evans - Genomic evidence for inbreeding depression in an endangered Australian bird	
10:15 Md Tangigul Haque - Seasonal plasticity of thermal tolerance indicates resilience to future climate in Australian damselflies	Lucy Ockert - Preliminary Insights into the Population Structure and Connectivity of Little Penguins in Australia	_	Cameron Bodd Cruptic Kultury: Two new species of descurid marganial	Kathleen McLay - Chromosomal Inversions facilitate adaptive evolution in a native Australian wildflower	10:15	Aidan Stuckey - Sex, Genetics, and Plasticity in Allometry	Patra Petrohilos - When Cells Rebel: a comparative genomics investigation into marsupial cancer susceptibility	
10:30 Greg Watter - Small-scale geographic variation maintains adaptive genetic variation in thermal tolerance	Kate Cooper - How does hybridisation affect the phenotypic variability of parthenogens?	10:30	Reconstruction? A Systematic Review and Assessment	Rowan Lymbery - Adaptation to climate change via range shifts and genetic evolution in a global biodiversity hotspot		Marta Favero - Phenanthrene pollution disrupts behavioural individuality and plasticity in the brine shrimp Artemia franciscana	Ben Phillips - Genetic Allee effects for containment of invasive species	
10:45 11:00 Morning tea		10:45	Morning tea		10:45 11:00			
Microbial evolution/resistance, Chair: Mike McDonald	Macroevolution, Chair: Kenny Travouillon	11.00		Behaviour/development. Chair: Alistair Senior	11.00	Morphological evolution. Chair: Damien Esquerre	Genomics, Chair: Renee Catullo	
11:15 Storme de Scally - Coevolution leads to increased resistance to invasion	Neil Balchan - Investigating lineage and venom diversification in two	44.45			44.45		Manuel Poretti - Beyond centromeres: the role of pericentromeric	
11:15 Storme de Scally - Coevolution leads to increased resistance to invasion	medically important snake clades		Rhiannon Eastment - The evolutionary genetics of mouthbrooding in African cichlids	milestones in embryogenesis	11:15	Antonio Rayos - Another case of morphological reduction in the large hepatic family Lepidoziaceae shown by Meinungeria	transposable elements in chromosome evolution	
11:30 Christopher Blake - Ecosystem in a bottle: Experimental evolution of a multi-trophic microcosm	Damien Esquerré - Museum Venomics Opens a Window to Understanding Snake Evolution	11:30	choosiness in Drosonhila melanogaster	Anne Aulsebrook - Sleepless on the tundra: costs and benefits of extreme activity in a polygynous shorebird	11:30	Jeremy Wilson - Correlation with a limited set of behavioral niches explains the convergence of somatic morphology in mygalomorph spiders	Alexandros Georgios Sotiropoulos - Lichen metagenomes reveal highly complex micro-environments	
11:45 Soffi Kei Kei Law - Exploiting trade-off to delay the evolution of antibiotic resistance	Simone Blomberg - The Botanist, The Spin-Doctor, The Wiener Sausage and the Museum of All Possible Shells Matthew Symonds - Differences between appendages in the regulation of	11:45	changes in male and female quality?	Katherine H. McLean - Death and Dying in Genus Pan: A Comparative Evolutionary Perspective		Putter Tiatragul - Vertebra number evolution in Australian blindsnakes	Liang Liu - Transcriptomic and Epigenomic Changes Driving Freshwater Adaptation in Sticklebacks	
12:00 Atharva Bhide - Nitrogen availability shapes microbial community evolution on plant roots	heat loss: implications for body shape evolution in response to climate change		Ashley Potter - Ejaculate Volumes Exceed Female Tracts Across Metazoans	Edward Galluccio - The relationship between cognitive performance and anti-predator behaviour in the Western Australian magpie		Boikhutso Lerato Rapalai - Environmental change and the evolution of body colouration in the ornate dragon, Ctenophorus ornatus	an genome assembles	
12:15 Sarah Hurley - Experimental Evolution of Nitrogen-fixing Bacteria on the Plant Root			effects of host sex ratio on disease dynamics	Michael Kasumovic - What affects generosity in a multiplayer iterated prisoner's dilemma?	12:15	Nuttakorn Taewcharoen - Intraspecific variation pattern of vertebrae in leporids with gradient of locomotive ability	Kelton Cheung - Does standing genetic variation contribute to local adaptation of cane toads in Australia?	
12:30		12:30			12:30	Diana Fisher - The evolution of marsupial pouch opening direction	Jamie Botting - TBC	
12:45	Lunch	12:45	Lunc	a b	12:45			
13:00 13:15		13:00	<u>13:00</u>		13:00			
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Sexual selection. Chair: Samuel Lymbery	Life history/quantitative genetics. Chair: Mandy Ridley		Speciation/conservation. Chair: Putter Tiatragul	Behaviour/sociality. Chair: Jen Kelley				
13:30 Daisuke Kyogoku - Experimental evolution of sexual selection on Callosobruchus chinensis	Robert Dugand - Using inbreeding to test the contribution of non-additive genetic effects to additive genetic variance		environment	Eleanor Moore - Impacts of a widespread pharmaceutical pollutant on cognition in fish	13:30			
13:45 Diego Solano Brenes - Does weapon size matter in bulb mites during intrasexual competition?	Christopher Barker - It's not the size that matters, it's how you use it: Questioning the link between body mass and longevity		Planigale)	Samuel Lymbery - Ants and the science of war	13:45	Senior Plenary		
14:00 Jackson Rendall - Genomic evidence of polygamy and paternity skew in the trapdoor spider Blakistonia aurea		14:00	hyper-arid desert gecko t	Grace Blackburn - Investigating the relationship between physical cognitive asks and a social cognitive task in a wild bird Lucy Southwell-Hambly - Evolution of cuticular hydrocarbon profiles in	14:00			
14:15 Incheol Shin - Impact of kinship and mate competition on male aggression in bulb mites	.n Mattnew Hail - Infection differentially alters the pace and snape of ageing in	14:15	fragmented species in the SW peats	Myrmecia (bull-ant) species	14:15			
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14:30 Joseph Tomkins - The need to breed: a test of the null model for polyandry		14:30	and the sales of fees, the about some and said Harris Covins Teadlet	Stephanie Mason - Social magpies learn faster; how social complexity influences vocal ontogeny in the Western magpie	14:30			
14;30 Joseph Tomkins - The need to breed: a test of the null model for polyandry 14:45 Bruno Buzatto - Sigmoid allometries generate male dimorphism in		14:30 14:45	only threatened frog; the short range endemic Howard Springs Toadlet (Uperoleia daviesae)	nfluences vocal ontogeny in the Western magpie	14:30 14:45			
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