

University of Western Australia

Perth, WA 2024

	Day 1 Wednesday 4th December			Day 2 Thursday 5th December			Day 3 Friday 6th December		
Time	Room 1	Room 2	Time	Room 1	Room 2	Time		Room 2	
9:00		rratt and Vice-President Renée Firman	9:00	House		9:00	11001111	1,001112	
9:15	ECR Plenary		9:15	ECR Plenary		9:15			
9:30		Sara Ryding 9:30			Maddie James				
9:45	Long- and short-term responses to climate change in	Long- and short-term responses to climate change in body and appendage size of diverse Australian birds		Uncovering the genetic architecture of parallel evolution		9:45			
	ermal tolerance/climate change. Chair: Bob Wong	Genomics/population genetics. Chair: Marcus Michelangeli	9:45	Taxonomy/phylogenetics. Chair: Emma Sherratt	Adaptation. Chair: John Whale		Plasticity. Chair: Jon Evans	Genomics, Chair: Rich Edwards	
	•	i i i i i i i i i i i i i i i i i i i			Genevieve Law - Mutation rate and mito-nuclear co-adaptation in the	-	<u> </u>	Jennifer Evans - Genomic evidence for inbreeding depression in an	
	risten Mirth - Stressful interactions: how does genetic variation shape stic 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 the Pleistocene of Western Australia	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	endangered Australian bird	
IU: ID resi	Tangigul Haque - Seasonal plasticity of thermal tolerance indicates lience to future climate in Australian damselflies	Lucy Ockert - Preliminary Insights into the Population Structure and Connectivity of Little Penguins in Australia	10:15	Cameron Dodd - Cryptic Kultarr: Two new species of dasyurid marsupial	Kathleen McLay - Chromosomal Inversions facilitate adaptive evolution in a native Australian wildflower		Aidan Stuckey - Sex, Genetics, and Plasticity in Allometry	Patra Petrohilos - When Cells Rebel: a comparative genomics investigation into marsupial cancer susceptibility	
10:30 vari	eg Walter - Small-scale geographic variation maintains adaptive genetic lation in thermal tolerance	Kate Cooper - How does hybridisation affect the phenotypic variability of parthenogens?	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	10:30	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			10:45		· · · · · · · · · · · · · · · · · · ·	10:45			
11:00 Morni		ing tea	11:00	Morning tea		11:00		ning tea	
	croevolution. Chair: Kenny Travouillon	Behaviour/development. Chair: Alistair Senior	11.00	Sexual selection/reproduction. Chair: Natasha LeBas	Microbial evolution/resistance. Chair: Mike McDonald		Morphological evolution. Chair: Damien Esquerre	Genomics. Chair: Renee Catullo	
11-15 Nei	Balchan - Investigating lineage and venom diversification in two	Emily Belcher - Temperature and the progression of developmental	11:15	Rhiannon Eastment - The evolutionary genetics of mouthbrooding in African	Storme de Scally - Coevolution leads to increased resistance to invasion	11.15	Antonio Rayos - Another case of morphological reduction in the large	Manuel Poretti - Beyond centromeres: the role of pericentromeric	
III.IJ med	I Balchan - Investigating lineage and venom diversification in two dically important snake clades	milestones in embryogenesis	_	ddillus		11.13	Antonio Rayos - Another case of morphological reduction in the large hepatic family Lepidoziaceae shown by Meinungeria	transposable elements in chromosome evolution	
III.30 Sna	mien Esquerré - Museum Venomics Opens a Window to Understanding ake Evolution	Anne Aulsebrook - Sleepless on the tundra: costs and benefits of extreme activity in a polygynous shorebird	11:30	Aadhikesav Ramkumar - Empirical evidence for mating status-dependent choosiness in Drosophila melanogaster	Christopher Blake - Ecosystem in a bottle: Experimental evolution of a multi-trophic microcosm	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 Sim	none Blomberg - The Botanist, The Spin-Doctor, The Wiener Sausage I the Museum of All Possible Shells	Katherine H. McLean - Death and Dying in Genus Pan: A Comparative Evolutionary Perspective	11:45		Soffi Kei Kei Law - Exploiting trade-off to delay the evolution of antibiotic resistance	-	Putter Tiatragul - Vertebra number evolution in Australian blindsnakes	Liang Liu - Transcriptomic and Epigenomic Changes Driving Freshwater Adaptation in Sticklebacks	
12:00 hea	tthew Symonds - Differences between appendages in the regulation of tt loss: implications for body shape evolution in response to climate inge	Edward Galluccio - The effect of heat stress on anti-predator behaviour in the Western Australian magpie	1	Ashley Potter - Ejaculate Volumes Exceed Female Tracts Across Metazoans	Atharva Bhide - Nitrogen availability shapes microbial community evolution on plant roots	_	Boikhutso Lerato Rapalai - Environmental change and the evolution of body colouration in the ornate dragon, Ctenophorus ornatus	Richard Edwards - Depth-based correction of gene duplications and losses in genome assemblies	
12:15		Michael Kasumovic - What affects generosity in a multiplayer iterated prisoner's dilemma?	12:15	Vayani Abeysinghe - 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	12:15	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				Diana Fisher - The evolution of marsupial pouch opening direction	Jamie Botting - Identification of a possible partial trisomy in a pathogenic strain of coffee leaf rust, Hemileia vastatrix	
12:45	Lu	nch	12:45	Lu	nch	12:45			
13:00			13:00			13:00			
13:15	Savual calaction Chair Samual Lymbary Life history/quantitative genetics Chair Mandy Pidlay		13:15				Lunch		
			10110	Speciation/conservation Chair: Putter Tistragul Rehaviour/sociality Chair: len Kelley					
13:30 Dai: Call	suke Kyogoku - Experimental evolution of sexual selection on losobruchus chinensis	Robert Dugand - Using inbreeding to test the contribution of non-additive genetic effects to additive genetic variance	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	13:30			
13:45 Die	go Solano Brenes - Does weapon size matter in bulb mites during asexual competition?	Christopher Barker - It's not the size that matters, it's how you use it:	13.43	Planigale)	Samuel Lymbery - Ants and the science of war	13:45	Senior Plenary Natalie Warburton How to build a kangaroo		
14:00 Jac	asexual competition? kkson Rendall - Genomic evidence of polygamy and paternity skew in the bloor spider Blakistonia aurea	Alistair Senior - Diet mixing and life-history traits: an integrated meta-analysis of mean-variance effects	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	14:00			
			44.45	Renee Catullo - The persistence of astonishingly old and naturally	Lucy Southwell-Hambly - Evolution of cuticular hydrocarbon profiles in	44.45			
14:15 bulb	b mites	Matthew Hall - Infection differentially alters the pace and shape of ageing in males and females	14:15	fragmented species in the SW peats	Myrmecia (bull-ant) species	14:15			
	seph Tomkins - The need to breed: a test of the null model for polyandry	Tahlia Fulton - Gene x Diet Interactions and Lifespan	14:30	Shengyao Lin - Conservation genetic management of the Northern Territory's only threatened frog; the short range endemic Howard Springs Toadlet (Uperoleia daviesae)	Stephanie Mason - Social magpies learn faster; how social complexity influences vocal ontogeny in the Western magpie	14:30			
14:45 Bru	no Buzatto - Sigmoid allometries generate male dimorphism in		14:45		· · · · · · · · · · · · · · · · · · ·	14:45			
360	ondary sexual traits	<u> </u>		Aftern	oon tea		Closing	and Prizes	
15:00	Aftern	oon tea	15:00			15:00			
15:15			15:15	, ,	pics). Chair: Upama Aich	15:15			
	xual selection. Chair: Joe Tomkins	Behaviour. Chair: Anne Aulsebrook		Lucinda Aulsebrook - Is sexual selection adaptive in warming environments Jennifer Kelley - Evolution of leaf mimicry in fruit-piercing moths		\vdash			
15:30 in th	drea Piccinini - Sexual selection, diversification and behavioural insights he Australian wishbone spiders (genus Aname) in the Northern Jarrah	Kate Fergusson - Impacts of long-term fluoxetine exposure on behaviour in fish	15:30	Annie Guillaume - Multiscale variables for nuanced insights into local adaptation Anna Deplazzi - Taxonomic trends in protein domain diversity in teleosts		15:30			
	est ama Aich - Disrupting the Balance: Long-term Effects of Pharmaceutical lution in Fish	Gabriel Melhado - Effects of Antidepressant on Behaviours and Immune Responses of Fish	15:45	Jess Herbert - Are heatwaves a buzzkil? The effects of temperature on native bee behaviour and cognition ucas Le Gall - Inferring consectal foraging and locomotion traits to brace the evolution of hopping among marsupials; why do kangaroos hop? Sudeep Meena - The co-evolution of life-history traits and macrountient appetites.		15:45			
	6:00 Adam Bode - Sex differences in romantic love: An evolutionary perspective the shoaling behaviour of fish		16:00			16:00	Walk around botanical gardens		
16:15 con			16:15	from	free time				
16-30 Mer	Is in pygmy hallbeaks (Dermogenys collettei) ng-Han Chung - Live longer or die young? Sex-specific responses to ironmental fluctuations	Sebastian Hayden - Assessing aggregation preferences within Rhizoglyphus echinopus	16:30	nee une		16:30			
16:45	00000	· ·	16:45				5		
17:00			17:00			17:00			
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			17:15	ECK Dieakout					
17:15	Welcome drinks at Stove	's Rar Café and Winestore	17.20						
17:15 17:30	Welcome drinks at Steve	's Bar, Café and Winestore	17:30			17:30			
17:15	Welcome drinks at Steve	's Bar, Café and Winestore	17:30 17:45 18:00			17:30 17:45 18:00		arket Grounds	