

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 1	Room 2
9:00	Welcome - AES President Emma She	rratt and Vice-President Renée Firman	9:00	House	ekeeping	9:00		•
9:15	ECR Plenary		9:15	ECR Plenary 9:1		9:15	O AGM	
9:30	Sara Ryding		9:30			9:30		
9:45	5 Long- and short-term responses to climate change in body and appendage size of diverse Australian birds		9:45			9:45		
Thern	mal tolerance/climate change. Chair: Bob Wong	Population genetics. Chair: Marcus Michelangeli		Taxonomy/phylogenetics. Chair: Emma Sherratt	Adaptation. Chair: John Whale		Plasticity. Chair: Jon Evans	Genomics. Chair: Rich Edwards
10:00 Christe	ten Mirth - Stressful interactions: how does genetic variation shape	Rhiannon Schembri - Gene expression divergence in Poephila finches	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	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
plastic	responses to combined thermal and nutritional stress? ngigul Haque - Seasonal plasticity of thermal tolerance indicates	Lucy Ockert - Preliminary Insights into the Population Structure and	_		duplicated mitogenomes of Australasian stingless bees (Apidae: Meliponini) Kathleen McLav - Chromosomal Inversions facilitate adaptive evolution in a			endangered Australian bird Patra Petrohilos - When Cells Rebel: a comparative genomics investigation
10:15 resilien	nce to future climate in Australian damselflies	Connectivity of Little Penguins in Australia	10:15	Cameron Dodd - Cryptic Kultarr: Two new species of dasyurid marsupial		10:15	Aidan Stuckey - Sex, Genetics, and Plasticity in Allometry	into marsupial cancer susceptibility
10:30 Greg V	nce to truture climate in Australian damsetties Walter - Small-scale geographic variation maintains adaptive genetic on 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	variation in thermal foldance participants.		10:45	7 Cystematic New and Addedonicin	production at a global broatersky houses.	10:45	plasticity in the brine shifting Arterna franciscana	
11:00	Morning tea		11:00			11:00		
	obial evolution/resistance. Chair: Mike McDonald	Macroevolution. Chair: Kenny Travouillon		Sexual selection/reproduction. Chair: Natasha LeBas	Behaviour/development. Chair: Alistair Senior	11.00	Morphological evolution. Chair: Damien Esquerre	Genomics, Chair: Renee Catullo
		Neil Balchan - Investigating lineage and venom diversification in two medically			Emily Belcher - Temperature and the progression of developmental milestones	44.45		Manuel Poretti - Beyond centromeres: the role of pericentromeric transposable
	e de Scally - Coevolution leads to increased resistance to invasion	important snake clades	11:15	cichlids	in embryogenesis	11:15	Antonio Rayos - Another case of morphological reduction in the large hepatic family Lepidoziaceae shown by Meinungeria	elements in chromosome evolution
11:30 Christo	topher Blake - Ecosystem in a bottle: Experimental evolution of a multi-	Damien Esquerré - Museum Venomics Opens a Window to Understanding Snake Evolution	11:30	Aadhikesav Ramkumar - Empirical evidence for mating status-dependent choosiness in Drosophila 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
44 45 Soffi K	Kei Kei Law - Exploiting trade-off to delay the evolution of antibiotic	Simone Blomberg - The Botanist, The Spin-Doctor, The Wiener Sausage and	44.4-		Katherine H. McLean - Death and Dying in Genus Pan: A Comparative			highly complex micro-environments Liang Liu - Transcriptomic and Epigenomic Changes Driving Freshwater
		the Museum of All Possible Shells	11:45	in male and female quality?	Evolutionary Perspective	11:45	Sarin Tiatragul - Vertebrae number evolution in Australian blindsnakes	Adaptation in Sticklebacks
12:00 Atharv	va Bhide - Nitrogen availability shapes microbial community evolution on oots	Matthew Symonds - Differences between appendages in the regulation of 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 magnie	12:00	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
40 45 Sarah	oots Hurley - Experimental Evolution of Nitrogen-fixing Bacteria on the Plant	loss. Implications for body snape evolution in response to climate change	40.45	Vayani Abeysinghe - Shifting pathogen landscapes: Understanding the effects	Michael Kasumovic - What affects generosity in a multiplayer iterated	40.45	Nuttakorn Taewcharoen - Intraspecific variation pattern of vertebrae in	genome assemblies
				of nost sex ratio on disease dynamics	prisoner's dilemma?		leportos with gradient of locomotive ability	Kelton Cheung - TBC
12:30			12:30				Diana Fisher - The evolution of marsupial pouch opening direction	Jamie Botting - TBC
12:45	Lu Lu	nch	12:45	To the state of th	unch	12:45		
13:00			13:00			13:00		
13:15			13:15			13:15	Li	inch
	al selection. Chair: Samuel Lymbery	Life history/quantitative genetics. Chair: Mandy Ridley		Speciation/conservation. Chair: Putter Tiatragul	Behaviour/sociality. Chair: Jen Kelley		0	
13:30 Daisuk Calloso	ke Kyogoku - Experimental evolution of sexual selection on obruchus 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		
	Solano Brenes - Does weapon size matter in bulb mites during exual competition?	Questioning the link between body mass and longevity		Linette Umbrello - Evolution of the world's smallest marsupials (Dasyuridae: Planigale)	Samuel Lymbery - Ants and the science of war	13:45	0 Senior Plenary Natalie Warburton How to build a kangaroo	
14:00 Jackso	on Rendall - Genomic evidence of polygamy and paternity skew in the or 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		
	of Shin - Impact of kinship and mate competition on male aggression in interest	Matthew Hall - Infection differentially alters the pace and shape of ageing in	14:15	Renee Catullo - The persistence of astonishingly old and naturally fragmented	Lucy Southwell-Hambly - Evolution of cuticular hydrocarbon profiles in	14:15		
14. 13 bulb mi	ites	males and females		species in the SW peats	Myrmecia (bull-ant) species	14.13		
14:30 Joseph	h 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 Bruno	Buzatto - Sigmoid allometries generate male dimorphism in secondary		14:45			14:45		
sexual	traits			Afternoon tea			Closing	and Prizes
15:00			15:00			15:00		
15:15			15:15	Flash Talks (various to	pics). Chair: Upama Aich	15:15		
	Sexual selection. Chair: Joe Tomkins 6:30 Andrea Piccinini - Sexual selection, diversification and behavioural insights in the Australian withbone spiciers (genus Aname) in the Northern Jarrah Forest in the Australian with		-	Jennifer Kelley - Evolution of leaf mimicry in fruit-piercing moths -3n Annie Guillaume - Multiscale variables for nuanced insights into local adaptation				
15:30 Andrea	a Piccinini - Sexual selection, diversification and benavioural insights in stralian wishbone spiders (genus Aname) in the Northern Jarrah Forest	fish rate rergusson - impacts or long-term fluoxetine exposure on benaviour in	15:30	Anna Deniazzi - Taxonomic trends in protein domain diversity in teleposts		15:30		
15:45 Upama Pollutio	aa Aich - Disrupting the Balance: Long-term Effects of Pharmaceutical Gabriel Melhado - Effects of Antidepressant on Behaviours and Immune Responses of Fish		15:45	5 Uses Herbert - Are heatwaves a buzzkill? The effects of temperature on native bee behaviour and cognition 5 Uses Le Gall - Inferring ancestral foraging and locomotion traits to trace the evolution of hopping among marsuplats: why do kangaroos hop? 5 Uses Le Gall - Inferring ancestral foraging and locomotion traits to trace the evolution of hopping among marsuplats: why do kangaroos hop? 5 Uses A Le Gall - Inferring ancestral foraging and locomotion traits to market a constitue.		15:45		
	Adam Bode - Sex differences in romantic love: An evolutionary perspective Jack Manera - Drugs in a social setting: How pharmaceutical pollution affects the shoaling behaviour of fish		16:00			16:00	Walk around b	otanical gardens
16:15 contam	tho Ozeki - Fish on the pill: impact of a widespread pharmaceutical taminant on the relationship between pre- and post-copulatory sexual traits interactions and survival in the wild? yogym hatbleask [Dermogeny colletie]		16:15	tree time				
16.20 Meng-l	Han Chung - Live longer or die young? Sex-specific responses to nmental fluctuations	Sebastian Hayden - Assessing aggregation preferences within Rhizoglyphus echinoous	16:30	или		16:30		
16:45			16:45			16:45		
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17:15	17:15					17:15		
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10.00			10.00	I .	1	10.00	Dillier at mi	and Grounds