

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
09:00	Welcome - AES President Emma She	rratt and Vice-President Renée Firman	09:00	House	ekeeping	09:00		1
09:15	15 ECR Plenary		09:15	ECR Plenary		09:15 09:30 Annual General Meeting (AGM) 09:45		
09:30			09:30					
	1.45 Long- and short-term responses to climate change in body and appendage size of diverse Australian Thermal tolerance/climate change. Chair: Bob Wong Population genetics. Chair: Marcus Michelangeli		09:45					
Th	hermal tolerance/climate change. Chair: Bob Wong	Population genetics. Chair: Marcus Michelangeli		Taxonomy/phylogenetics. Chair: Emma Sherratt	Adaptation. Chair: John Whale Genevieve Law - Mutation rate and mito-nuclear co-adaptation in the		lasticity. Chair: Jon Evans	Genomics. Chair: Rich Edwards
OI N	nristen Mirth - Stressful interactions: how does genetic variation appe 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 the Pleistocene of Western Australia	unusual duplicated mitogenomes of Australasian stingless bees (Apidae: Meliponini)	10:00 E	rin Macartney - Macronutrient balance on brown adipose tissue nction in fathers and non-genetic inheritance in offspring	Jennifer Evans - Genomic evidence for inbreeding depression in an endangered Australian bird
10:15	alliance to future alimete in Australian democifica	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		idan Stuckey - Sex, Genetics, and Plasticity in Allometry	Patra Petrohilos - When Cells Rebel: a comparative genomics investigation into marsupial cancer susceptibility
10:30 Gr	smerice to future curriate in Australian damselines reg Walter - Small-scale geographic variation maintains adaptive metic variation in thermal tolerance	Kate Cooper - How does hybridisation affect the phenotypic variability of parthenogens?	10:30	marsupial 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		arta Favero - Phenanthrene pollution disrupts behavioural individualit nd plasticity in the brine shrimp Artemia franciscana	Ben Phillips - Genetic Allee effects for containment of invasive species
10:45 11:00			10:45	Morning tea		10:45 11:00 Morning tea		
	icrobial evolution/resistance. Chair: Mike McDonald			Sexual selection/reproduction. Chair: Natasha LeBas			Iorphological evolution. Chair: Damien Esquerre	Genomics. Chair: Renee Catullo
11:15 Ste	corme de Scally - Coevolution leads to increased resistance to vasion	Neil Balchan - Investigating lineage and venom diversification in two medically important snake clades	11:15	Rhiannon Eastment - The evolutionary genetics of mouthbrooding in African cichlids	Emily Belcher - Temperature and the progression of developmental milestones in embryogenesis	11:15 A	ntonio Rayos - Another case of morphological reduction in the large epatic family Lepidoziaceae shown by Meinungeria	Manuel Poretti - Beyond centromeres: the role of pericentromeric transposable elements in chromosome evolution
11:30 Ch	nristopher Blake - Ecosystem in a bottle: Experimental evolution of a ulti-trophic microcosm		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 e	paremy Wilson - Correlation with a limited set of behavioral niches plains the convergence of somatic morphology in mygalomorph piders	Alexandros Georgios Sotiropoulos - Lichen metagenomes reveal highly complex micro-environments
11:45 So	offi Kei Kei Law - Exploiting trade-off to delay the evolution of tibiotic resistance	Simone Blomberg - The Botanist, The Spin-Doctor, The Wiener Sausage and the Museum of All Possible Shells	11:45	Hyoseul Hyun - Another cost of sex: Is the frequency of sex linked to changes in male and female quality?	Katherine H. McLean - Death and Dying in Genus Pan: A Comparative Evolutionary Perspective		utter Tiatragul - Vertebra number evolution in Australian blindsnakes	Liang Liu - Transcriptomic and Epigenomic Changes Driving Freshwater Adaptation in Sticklebacks
12.00 ev	charva Bhide - Nitrogen availability shapes microbial community rolution on plant roots	Matthew Symonds - Differences between appendages in the regulation of heat loss: implications for body shape evolution in response to climate		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	12:00 b	12:00 Boikhutso Lerato Rapalai - Environmental change and the evolution of Richard Edwards - Depth-based correction of gene duplications and losses in genome assemblies	
12:15 Sa	arah Hurley - Experimental Evolution of Nitrogen-fixing Bacteria on the ant Root		12:15	Vayani Abeysinghe - Shifting pathogen landscapes: Understanding the effects of host sex ratio on disease dynamics	Michael Kasumovic - What affects generosity in a multiplayer iterated prisoner's dilemma?	12-15 N	uttakorn Taewcharoen - Intraspecific variation pattern of vertebrae in porids with gradient of locomotive ability	Kelton Cheung - TBC
12:30			12:30		"		iana Fisher - The evolution of marsupial pouch opening direction	Jamie Botting - TBC
12:45	12:45 Lunch			Lunch		12:45		•
13:00	13:00		13:00	00		13:00		
	13:15		13:15			13:15	Lunch	
Se	exual selection. Chair: Samuel Lymbery aisuke Kyogoku - Experimental evolution of sexual selection on	Life history/quantitative genetics. Chair: Mandy Ridley Robert Dugand - Using inbreeding to test the contribution of non-		Speciation/conservation. Chair: Putter Tiatragul Monique Van Dorssen - A lonely worm genome in a rapidly changing	Behaviour/sociality. Chair: Renee Firman Eleanor Moore - Impacts of a widespread pharmaceutical pollutant on	\vdash		
13:30 Ca	allosobruchus chinensis	additive genetic effects to additive genetic variance	13:30	environment	cognition in fish	13:30		
	rasexual competition?	Christopher Barker - It's not the size that matters, it's how you use it: Questioning the link between body mass and longevity	13:45	environment Linette Umbrello - Evolution of the world's smallest marsupials (Dasyuridae: Planigale)	Samuel Lymbery - Ants and the science of war	13:45		
14.00 in 1	the trapdoor 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	Senior Plenary Natalie Warburton How to build a kangaroo	
	cheol Shin - Impact of kinship and mate competition on male gression in bulb mites	Matthew Hall - Infection differentially alters the pace and shape of ageing in males and females	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 Myrmecia (bull-ant) species	14:15		
14:30 Jo	seph Tomkins - The need to breed: a test of the null model for lyandry	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 (Upercleia daviesae)		14:30		
	14:45 Bruno Buzatto - Sigmoid allometries generate male dimorphism in secondary sexual traits		14:45	Afternoon tea		14:45	Closing	and Prizes
15:00			15:00		Alternoon tea		Ciosnig	and 1 11200
15:15	Aπerno		15:15	Flash Talks (various to	pics). Chair: Upama Aich	15:15		
15:30 An	Sexual selection. Chair: Joe Tomkins Behaviour. Chair: Anne Aulsebrook Andres Piccinin! Sexual selection, (viewsification and behavioural insights in the Australian wishbone spiders (genus Aname) in the Worlthen. Jarah Fergusson - Impacts of long-term fluoxetine exposure on behaviour in fish		15:30	Jass Herbert - Are heatwares a huzskill? The effects of temperature on native bee behaviour and cognition Lucinda Aulsberthook - is secural selection adaptive in warming environment. Lucas La Call - Inferring ancestral foraging and locomotion traits to trace the evolution of hopping among manupulats why do kangaroos hop? Partical Stattery - Med demorphism and kin recognition in capitation alkaratian sweet boes (Haiddides: Hymenoptans)		15:30		
	pama Aich - Disrupting the Balance: Long-term Effects of narmaceutical Pollution in Fish	Gabriel Melhado - Effects of Antidepressant on Behaviours and Immune Responses of Fish	15:45	Jennifer Kelley - Evolution of leaf mimicry in fruit-piercing moths		15:45		
16.00 Ad			16:00	Sudeep Meena - The co-evolution of life-history traits and macronutrient appetites. Annie Guillaume - Multiscale variables for nuanced insights into local adaptation		16:00	waik around botanical gardens	
16:15 sh	16:15 Shiho Ozeki - Fish on the pill: impact of a widespread pharmaceutical contaminant on the relationship between pre- and post-copulatory sexual rates in progray haffeetask Companyers collectly attacks in progray haffeetask Companyers collectly and the relationship to the wide of the relationship to th		16:15	free time		16:15		
16:30 Me			16:30			16:30		
16:45			16:45			16:45		
17:00			17:00 17:15			17:00		
17:15				ECR breakout		17:15	tree time	
17:30 Welcome drinks (location TBC) 18:00			17:30			17:30		
			17:45 18:00			17:45 18:00	Dinner at M	arket Grounds
			10.00			10.00	Diffier at W	