



**Australasian  
Evolution  
Society**

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 Sherratt and Vice-President Renée Firman			09:00	Housekeeping			09:00	Annual General Meeting (AGM)		
09:15	ECR Plenary			09:15	ECR Plenary			09:15			
09:30	Sara Ryding			09:30	Maddie James			09:30			
09:45	Long- and short-term responses to climate change in body and appendage size of diverse Australian			09:45	Uncovering the genetic architecture of parallel evolution			09:45			
Thermal tolerance/climate change. Chair: Bob Wong				Population genetics. Chair: Marcus Michelangeli				Taxonomy/phylogenetics. Chair: Emma Sherratt			
10:00	Christen Mirth - Stressful interactions: how does genetic variation shape plastic responses to combined thermal and nutritional stress?			10:00	Rhianonn Schembri - Gene expression divergence in <i>Poephila</i> finches			10:00	Kenny Travouillon - New Fossil Koala ( <i>Marsupialia</i> : <i>Phascolarctidae</i> ) from the Pleistocene of Western Australia		
10:15	Md Tangiful Haque - Seasonal plasticity of thermal tolerance indicates resilience to future climate in Australian damselfishes			10:15	Lucy Ockert - Preliminary Insights into the Population Structure and Connectivity of Little Penguins in Australia			10:15	Cameron Dodd - Cryptic Kullart: Two new species of dasyurid marsupial		
10:30	Greg Walter - Small-scale geographic variation maintains adaptive genetic variation in thermal tolerance			10:30	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		
10:45	Morning tea			10:45	Morning tea			10:45	Morning tea		
11:00	Microbial evolution/resistance. Chair: Mike McDonald			11:00	Macroevolution. Chair: Kenny Travouillon			11:00	Sexual selection/reproduction. Chair: Natasha LeBas		
11:15	Storme de Scally - Coevolution leads to increased resistance to invasion			11:15	Neil Balchan - Investigating lineage and venom diversification in two medically important snake clades			11:15	Rhianonn Eastment - The evolutionary genetics of mouthbrooding in African cichlids		
11:30	Christopher Blake - Ecosystem in a bottle: Experimental evolution of a multi-trophic microcosm			11:30	Damien Esquerre - Museum Venomics Opens a Window to Understanding Snake Evolution			11:30	Aadhikesav Ramkumar - Empirical evidence for mating status-dependent choosiness in <i>Drosophila melanogaster</i>		
11:45	Soffi Kei Kei Law - Exploiting trade-off to delay the evolution of antibiotic resistance			11:45	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?		
12:00	Atharva Bhide - Nitrogen availability shapes microbial community evolution on plant roots			12:00	Matthew Symonds - Differences between appendages in the regulation of heat loss: implications for body shape evolution in response to climate change			12:00	Ashley Potter - Ejaculate Volumes Exceed Female Tracts Across Metazoans		
12:15	Sarah Hurley - Experimental Evolution of Nitrogen-fixing Bacteria on the Plant Root			12:15	Yavani Abeysinghe - Shifting pathogen landscapes: Understanding the effects of host sex ratio on disease dynamics			12:15	Yavani Abeysinghe - Shifting pathogen landscapes: Understanding the effects of host sex ratio on disease dynamics		
12:30	Lunch			12:30	Lunch			12:30	Lunch		
12:45				12:45							
13:00				13:00							
13:15				13:15							
Sexual selection. Chair: Samuel Lymbery				Life history/quantitative genetics. Chair: Mandy Ridley				Speciation/conservation. Chair: Putter Tiatragul			
13:30	Daisuke Kyogoku - Experimental evolution of sexual selection on <i>Callosobruchus chinensis</i>			13:30	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		
13:45	Diego Solano Brenes - Does weapon size matter in bulb mites during intrasexual competition?			13:45	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	Lnette Umbrello - Evolution of the world's smallest marsupials ( <i>Dasyuridae</i> : <i>Planigale</i> )		
14:00	Jackson Rendall - Genomic evidence of polygamy and paternity skew in the trapdoor spider <i>Blakistonia aurea</i>			14:00	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		
14:15	Incheol Shin - Impact of kinship and mate competition on male aggression in bulb mites			14:15	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		
14:30	Joseph Tomkins - The need to breed: a test of the null model for polyandry			14:30	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 ( <i>Uperoleia daviesae</i> )		
14:45	Bruno Buzatto - Sigmoid allometries generate male dimorphism in secondary sexual traits			14:45				14:45	Afternoon tea		
15:00	Afternoon tea			15:00	Flash Talks (various topics). Chair: Upama Aich			15:00	Closing and Prizes		
15:15				15:15							
Sexual selection. Chair: Joe Tomkins				Behaviour. Chair: Anne Aulsebrook				Jesse Herbert - Are heatwaves a buzzkill? The effects of temperature on native bee behaviour and cognition			
15:30	Andrea Piccinini - Sexual selection, diversification and behavioural insights in the Australian wishbone spiders (genus <i>Aname</i> ) in the Northern Jarrah Forest			15:30	Kate Fergusson - Impacts of long-term fluoxetine exposure on behaviour in fish			15:30	Lucinda Aulsebrook - Is sexual selection adaptive in warming environments		
15:45	Upama Aich - Disrupting the Balance: Long-term Effects of Pharmaceutical Pollution in Fish			15:45	Gabriel Melhado - Effects of Antidepressant on Behaviours and Immune Responses of Fish			15:45	Lucas Le Gall - Inferring ancestral foraging and locomotion traits to trace the evolution of hopping among marsupials: why do kangaroos hop?		
16:00	Adam Bode - Sex differences in romantic love: An evolutionary perspective			16:00	Jack Manera - Drugs in a social setting: How pharmaceutical pollution affects the shoaling behaviour of fish			16:00	Patricia Slattery - Male dimorphism and kin recognition in egalitarian Australian sweat bees ( <i>Halictidae</i> : <i>Hymenoptera</i> )		
16:15	Shiho Ozeki - Fish on the pill: impact of a widespread pharmaceutical contaminant on the relationship between pre- and post-copulatory sexual traits in pygmy halfbeaks ( <i>Dermogenys collettii</i> )			16:15	Marcus Michelangeli - Do pharmaceutical pollutants impact animal interactions and survival in the wild?			16:15	Jennifer Kelley - Evolution of leaf mimicry in fruit-piercing moths		
16:30	Meng-Han Chung - Live longer or die young? Sex-specific responses to environmental fluctuations			16:30	Sebastian Hayden - Assessing aggregation preferences within <i>Rhizoglyphus echinopus</i>			16:30	Sudeep Meena - The co-evolution of life-history traits and macronutrient appetites		
16:45	Welcome drinks (location TBC)			16:45	ECR breakout			16:45	Walk around botanical gardens		
17:00				17:00							
17:15				17:15							
17:30				17:30							
17:45				17:45				17:45			
18:00				18:00				18:00	Dinner at Market Grounds		