

Day 1 (Wed 13 Dec)			Day 2 (Thur 14 Dec)			Day 3 (Fri 15 Dec)		
Time	Darling West G14 Lecture Theatre (Room 1)	Scott Theatre (Room 2)	Darling West G14 Lecture Theatre (Room 1)	Scott Theatre (Room 2)	Kerr Goat Lecture Theatre (Room 3)	Darling W G14 Lecture Theatre (Room 1)	Scott Theatre (Room 2)	Kerr Goat Lecture Theatre (Room 3)
9:00			ECR Plenary Claudia Crowther			ECR Plenary Samuel Lymbery		
9:15			Off the straight and narrow: Non-linear plasticity in a changing world			Warfare in ants and video games		
9:30			Reproduction (Chair: Alistair Senior)	Morphological Evolution 1 (Chair: Amy Slender)	Evolution of resistance (Chair: Ros Gloag)	Morphological Evolution 2 (Chair: Masato Yamamichi)	Evolution and Conservation 2 (Chair: Ros Gloag)	Development (Chair: Jon Evans)
			Soleille Miller Intergenerational Loss of Genetic Diversity in a Facultative Parthenogenetic Stick Insect Species	Nuttakorn (Win) Taewcharoen No holding back: vertebral column shape in fast-running prey converges on their speedy predators	Thomas Schmidt Global, asynchronous sweeps at multiple resistance genes in <i>Aedes</i> mosquitoes	Yuxuan (George) Zhao Hourglass-shaped adults and 'Pinocchio-lised' larvae: Morphological transition of Australian water beetles (Coleoptera: Dytiscidae) from aboveground to underground	Maxim Adams Evolution, phylogeography and conservation genetics of the Lord Howe Island cockroach <i>Panesthia lata</i>	Ondi Crino From eggs to adulthood: unveiling the sustained impacts of developmental conditions on skink physiology and size
9:45			Liang Liu Evolutionary Adaptation of Reproduction: The Pleiotropic Role of TSH β 2-Producing Cells in Sticklebacks	Ellen Martin Grasping hold of functional trade-offs using the diversity of foot forms in Australian birds	Joshua Thia Attack of the (resistant) clones: the rise and spread of insecticide resistance in an invasive aphid pest	Tory Botha Shape note: Morphological investigation of <i>Tribrachidium</i> from Nilpena, South Australia	Patra Petrohilos Attack of the Clones: no evidence for distinct phenotypic subgroups of Devil Facial Tumour Disease (DFTD)	Huifang Yuan Pioneer and immediate early transcription factors orchestrate an environmentally-induced life cycle transition that is highly conserved across the animal kingdom
10:00			Caitlin Creak Accidentally murderous spiders: a true crime on where they live and how they work.	Russell Bonduriansky What can allometry and life history tell us about the evolution of brain size?	Alicia Williams Costs of antibiotic resistance through the lens of resource competition theory	Natasha Lee Hiotis Hip, hop, and a fossil drop: Identifying fossil frogs from Naracoorte Caves using their ilium bone	Julian Beaman Eco-evolutionary projections to guide genetic rescue for threatened Australian marsupials	Ivan Vinogradov How inbreeding and developmental stress impact cognition
10:15			Jinglin Wen Evidence of Maternal-fatal Communication in Skink Pregnancy	Rex Mitchell Sizing up cranial allometry in mammals	Ian Gooi The predictability of antibiotic resistance evolution in <i>Acinetobacter baylyi</i>	Vera Weisbecker The thylacine as an evolutionary curiosity	Bob Wong Toxicants in the wilderness: an evolutionary perspective	Alistair Senior Nutrition and life-history in <i>Drosophila melanogaster</i>
10:30			Morning tea (Pfitzner Court)			Morning tea (Pfitzner Court)		
10:45			Quantitative/ population genetics (Chair: Rowan Lymbery)	Invasive species (Chair: Jon Evans)	Microbial Evolution 1 (Chair: Masato Yamamichi)	Macroevolution 2 (Chair: Amy Slender)	Evolution and temperature (Chair: Ondi Crino)	Evolution: not classified elsewhere (Chair: Alistair Senior)
11:00			Peta Hill Episodic population fragmentation and gene flow reveal a trade-off between heterozygosity and allelic richness	Felipe Floreste Host-parasite immune dynamics along the invasion range of cane toads in Australia	Elisha Freedman The distribution of secondary symbionts across scale insects and its evolutionary and ecological implications	Patrice Pottier Vulnerability of amphibians to global warming	Amanda Pettersen Intergenerational plasticity aligns with temperature-dependent selection on offspring metabolic rates	Fabian C. Salgado-Roa Drivers of colour polymorphism in a colourful widespread spider
11:15	Iva Popovic High germline mutation rates, but not extreme population size outbreaks, influence genetic diversity in a keystone coral predator	Lauren Common The Avian Vampire Fly and Darwin's Finches	Atharva Bhilde Investigating the ecological and coevolutionary dynamics of a root associated microbiome	Carmen da Silva Local climate change velocity and evolutionary history explains multidirectional range shifts in North American butterflies	Jigmidmaa Boldbaatar Effects of heat shock stress on egg hatching success in <i>Megacrania batesii</i> (Phasmatodea: Phasmatidae)	Christopher Barker Evolution of Ageing is driven adaptive gains		
11:30	Lachlan King The effect of genetic background on quantitative mutational variation	Kelton Cheung Selection signatures of the invasive cane toad through whole genome analyses	Chris Blake Experimental Evolution of Ecosystem Topography in a Two-Species Community	Yun Li Evolution across adaptvie landscape in a hyperdiverse beetle radiation	Md Mahmud Al Hasan Effects of inbreeding and stressful developmental temperatures on guppy fitness	Daisuke Kyogoku Evolution of realized niche breadth diversity driven by community dynamics		
11:45	Katrina McGuigan Effects of spontaneous mutations on fitness traits of <i>Drosophila serrata</i> infected with <i>Drosophila C</i> virus	Ros Gloag A population genetic timeline of a natural insect invasion	James Richardson Species coexistence via higher order consumer-resource interactions	Diego Garcia-Bellido Australian Ediacaran & Cambrian contribution to Evolution	Rebecca Raynal Natural oviposition site temperatures of ectotherms - a review	Masato Yamamichi Prey rapid evolution promotes fluctuation-dependent species coexistence		
12:00	Simone Blomberg Phylogenetic Comparative Methods for the Quantitative Genetic G-Matrix	Paul Battlay Chromosomal inversions underlie rapid adaptation on multiple continents in an invasive weed	Andrew Letten Not-so-simple assembly rules support multispecies coexistence on a single resource	Doaa Doudin Evolution of subtelomeres in birds and reptiles	Diego de Moura Campos Synergistic effects of diet restriction and temperature on guppy development	Devi Stuart-Fox From bioinspired to bioinformed: materials science meets evolutionary biology		
12:15	Registration desk opens at Scott Theatre foyer							
12:30	Lunch and registration (Pfitzner Court)		Lunch (Pfitzner Court)			Lunch (Pfitzner Court)		
12:45								

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Time	Lunch (Pfitzner Court)		General meeting (Scott Theatre)			Lunch (Pfitzner Court)		
13:00								
13:15								
13:30								

13:45	Welcome (Scott Theatre)	
14:00		
14:15		
	Plenary Dustin Rubenstein The Evolution of Cooperative Breeding: New Perspectives and Future Directions (Scott Theatre)	
14:30		
14:45		
15:00		
15:15		
15:30	Afternoon tea (Pfitzner Court)	
15:45		
	Macroeolution 1 (Chair: Matt Symonds)	Evolution and climate change (Chair: Julian Beaman)
16:00	Zhuzhi Zhang The phylogenetic and parallel origin of Australian soil burrowing cockroaches	Pieter Arnold Selection on phenotypic traits and their plasticity in response to warming of both parental and offspring environments
16:15	Sally Potter Cytonuclear discordance and introgression in the brachyotis group of rock-wallabies	Matthew Hall The sicker sex in a warming world
16:30	Amy Slender Genomic population structure of a widely distributed Southern Australian lizard (<i>Tiliqua rugosa</i>)	Belinda van Heerwaarden Do endosymbionts influence thermal tolerance?
16:45	Toby Kovacs Historical population sizes and mutation rates in marsupials	Damien Dowling Experimental support for a mitochondrial genetic contribution to climatic adaptation
17:00	Kyle Ewart Pervasive relaxed selection in termite genomes	John Whale Optimus Prime-ing: Can thermal resilience of seagrass seedlings be enhanced by a priming event?
17:15		
17:30	Welcome event @Unibar Cloisters	
18:00		
19:00		

Tag team talk - Post-ejaculatory environments, paternal effects and more		
Afternoon tea (Pfitzner Court)		
Sexual selection 1 (Chair: Bruno Buzatto)	Evolution and Conservation 1 (Chair: Amanda Petterson)	Microbial Evolution 2 (Chair: Matt Symonds)
Fatema Akhter Teasing apart the cost of sexual harassment and mating in females	Grace Marsh Genomic vulnerability to climate change in a Critically Endangered possum from southwestern Australia	Christopher Brown rescomp: An R package for resource competition modelling
Daniela Wilner Can sexual conflict explain geographic parthenogenesis?	Emily Roycroft Genetic load in island populations of Australian mammals	Neetika Ahlawat Nutrient packaging alters adaptation and genetic divergence in <i>E. coli</i>
Nirjana Dewan Long-term fitness consequences of <i>D.melanogaster</i> populations evolved in the absence versus presence of male-male competition	Oliver Stuart Genetic rescue of reproductive fitness in a captive bred insect	Jan Engelstaedter The impact of natural transformation on adaptation to heterogeneous environments
Pietro Pollo Synthesis of sexual selection: a systematic map of meta-analyses with bibliometric analysis	Aysegul Birand Cheating evolution for conservation	Michael McDonald Horizontal gene transfer: making things happen in the the microbial world
ECR breakout @Barr Smith South 2032		

Tag team talk - Recent Advances in Ancient DNA		
Sexual selection 2 (Chair: Pietro Pollo)	Morphological Evolution 3 (Chair: Vera Weisbecker)	
Megan Folwell Co-evolution of genitalia in Northern Pacific rattlesnakes (<i>Crotalus oreganus</i>)	Sarin (Putter) Tiatragul Spags and Snags: morphological evolution of Australian blindsnakes	
Bruno Buzatto Mating behaviour in the Sydney funnel-web spider and the evolution of clasping structures in mygalomorph spiders	Tamika Nash-Hahn Sequential scales: New perspectives on snake axial evolution	
Tom Allison Sexual selection shapes the evolution of mitochondrial efficiency	Yasmin Asar Testing the link between molecular and morphological rates of evolution	
Martin Whiting Evolution of a conspicuous dynamic visual signal in an introduced chameleon	Estefany Karen Lopez Estrada Testing the punctuated equilibria model using morphological and molecular data	
<div>Afternoon tea (Pfitzner Court)</div>		
<div>Flash Talks (Scott Theatre) Jasmine Towle Aubrey Keirnan Meg Martin Austin Fitzpatrick Lorenzo Ricolfi Melissa Hernandez Poveda Lucy Ockert Adi Nugroho Veerabhadra (Raju) Dantuluri Lynea Witczak Oldfather Tariq Ezaz Marcus Michelangeli</div>		
<div>Closing and Prizes (Scott Theatre)</div>		
Free Time		
Conference dinner @Peter Rabbit		