

Day 1 (Tuesday 13 Dec)		
Time	Room 1	Room 2
9:00		
9:15		
9:30		
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10:00		
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12:00		
12:15		
12:30	Lunch	
12:45		

Day 2 (Thursday 14 Dec)		
Room 1	Room 2	Room 3
ECR Plenary Claudia Crowther		
Reproduction	Morphological Evolution 1	Microbial Evolution 1
<b>Soleille Miller</b> Intergenerational Loss of Genetic Diversity in a Facultative Parthenogenetic Stick Insect Species	<b>Nuttakorn (Win) Taewcharoen</b> No holding back: vertebral column shape in fast-running prey converges on their speedy predators	<b>Thomas Schmidt</b> Global, asynchronous sweeps at multiple resistance genes in Aedes mosquitoes
<b>Liang Liu</b> Evolutionary Adaptation of Reproduction: The Pleiotropic Role of TSH <sup>2</sup> -Producing Cells in Sticklebacks	<b>Ellen Martin</b> Grasping hold of functional trade-offs using the diversity of foot forms in Australian birds	<b>Alicia Williams</b> Costs of antibiotic resistance through the lens of resource competition theory
<b>Caitlin Creak</b> Accidentally murderous spiders: a true crime on where they live and how they work.	<b>Russell Bonduriansky</b> What can allometry and life history tell us about the evolution of brain size?	<b>Ian Gooi</b> The predictability of antibiotic resistance evolution in Acinetobacter baylyi
<b>Jinglin Wen</b> Evidence of Maternal-fatal Communication in Skink Pregnancy	<b>Rex Mitchell</b> Sizing up cranial allometry in mammals	<b>Anna Sheppard</b> Using genomics to disentangle dissemination pathways of mobile antibiotic resistance genes
Morning tea		
Quantitative/ population genetics	Invasive species	Microbial Evolution 2
<b>Peta Hill</b> Episodic population fragmentation and gene flow reveal a trade-off between heterozygosity and allelic richness	<b>Felipe Floreste</b> Host-parasite immune dynamics along the invasion range of cane toads in Australia	<b>Elisha Freedman</b> The distribution of secondary symbionts across scale insects and its evolutionary and ecological implications
<b>Iva Popovic</b> High germline mutation rates, but not extreme population size outbreaks, influence genetic diversity in a keystone coral predator	<b>Kelton Cheung</b> Selection signatures of the invasive cane toad through whole genome analyses	<b>Atharva Bhilde</b> Investigating the ecological and coevolutionary dynamics of a root associated microbiome
<b>Lachlan King</b> The effect of genetic background on quantitative mutational variation	<b>Ros Gloag</b> A population genetic timeline of a natural insect invasion	<b>Chris Blake</b> Experimental Evolution of Ecosystem Topography in a Two-Species Community
<b>Katrina McGuigan</b> Effects of spontaneous mutations on fitness traits of <i>Drosophila serrata</i> infected with Drosophila C virus	<b>Joshua Thia</b> Attack of the (resistant) clones: the rise and spread of insecticide resistance in an invasive aphid pest	<b>James Richardson</b> Species coexistence via higher order consumer-resource interactions
<b>Simone Blomberg</b> Phylogenetic Comparative Methods for the Quantitative Genetic G-Matrix	<b>Paul Battlay</b> Chromosomal inversions underlie rapid adaptation on multiple continents in an invasive weed	<b>Andrew Letten</b> Not-so-simple assembly rules support multispecies coexistence on a single resource
Lunch		

Day 3 (Friday 15 Dec)		
Room 1	Room 2	Room 3
ECR Plenary Samuel Lymbery		
Morphological Evolution 2	Evolution and Conservation 2	Development
<b>Yuxuan (George) Zhao</b> Hourglass-shaped adults and 'Pinocchio-lised' larvae: Morphological transition of Australian water beetles (Coleoptera: Dytiscidae) from aboveground to underground	<b>Maxim Adams</b> Evolution, phylogeography and conservation genetics of the Lord Howe Island cockroach ' <i>Panesthia lata</i> '	<b>Ondi Crino</b> From eggs to adulthood: unveiling the sustained impacts of developmental conditions on skink physiology and size
<b>Tory Botha</b> Shape note: Morphological investigation of Tribrachidium from Nilpena, South Australia	<b>Patra Petrohilos</b> Attack of the Clones: no evidence for distinct phenotypic subgroups of Devil Facial Tumour Disease (DFTD)	<b>Huifang Yuan</b> Pioneer and immediate early transcription factors orchestrate an environmentally-induced life cycle transition that is highly conserved across the animal kingdom
<b>Natasha Lee Hiotis</b> Hip, hop, and a fossil drop: Identifying fossil frogs from Naracoorte Caves using their ilium bone	<b>Julian Beaman</b> Eco-evolutionary projections to guide genetic rescue for threatened Australian marsupials	<b>Ivan Vinogradov</b> How inbreeding and developmental stress impact cognition
<b>Vera Weisbecker</b> The thylacine as an evolutionary curiosity	<b>Bob Wong</b> Toxicants in the wilderness: an evolutionary perspective	<b>Alistair Senior</b> Nutrition and life-history in Drosophila melanogaster
Morning tea		
Macroevolution 2	Evolution and temperature	Evolution: not classified elsewhere
<b>Patrice Pottier</b> Vulnerability of amphibians to global warming	<b>Amanda Pettersen</b> Intergenerational plasticity aligns with temperature-dependent selection on offspring metabolic rates	<b>Christopher Barker</b> Evolution of Ageing is driven adaptive gains
<b>Carmen da Silva</b> Biogeography and climate change vulnerability of Fijian montane bees	<b>Jigmidmaa Boldbaatar</b> Effects of heat shock stress on egg hatching success in <i>Megacrania batesii</i> (Phasmatodea: Phasmatidae)	<b>Daisuke Kyogoku</b> Evolution of realized niche breadth diversity driven by community dynamics
<b>Yun Li</b> Evolution across adaptvie landscape in a hyperdiverse beetle radiation	<b>Md Mahmud Al Hasan</b> Effects of inbreeding and stressful developmental temperatures on guppy fitness	<b>Masato Yamamichi</b> Prey rapid evolution promotes fluctuation-dependent species coexistence
<b>Diego Garcia-Bellido</b> Australian Ediacaran & Cambrian contribution to Evolution	<b>Rebecca Raynal</b> Natural oviposition site temperatures of ectotherms - a review	<b>Devi Stuart-Fox</b> From bioinspired to bioinformed: materials science meets evolutionary biology
<b>Tariq Ezaz</b> Sex chromosome turnover and speciation: lessons from the Australian ornate burrowing frog, <i>Platyplectrum ornatum</i>	<b>Diego de Moura Campos</b> Synergistic effects of diet restriction and temperature on guppy development	
Lunch		

Day 1		
Time	Room 1	Room 2
13:00	Lunch	
13:15		
13:30		
13:45		
14:00		
14:15	Welcome	
	Plenary Dustin Rubenstein	
14:30		
14:45		
15:00		
15:15		
	Afternoon tea	
15:30		
15:45		
	Macroevolution 1	Evolution and climate change
16:00	<b>Zhuzhi Zhang</b> The phylogenetic and parallel origin of Australian soil burrowing cockroaches	<b>Fabian C. Salgado-Roa</b> Drivers of colour polymorphism in a colourful widespread spider
16:15	<b>Sally Potter</b> Cytonuclear discordance and introgression in the brachyotis group of rock-wallabies	<b>Pieter Arnold</b> Selection on phenotypic traits and their plasticity in response to warming of both parental and offspring environments
16:30	<b>Amy Slender</b> Genomic population structure of a widely distributed Southern Australian lizard (Tiliqua rugosa)	<b>Matthew Hall</b> The sicker sex in a warming world
16:45	<b>Toby Kovacs</b> Historical population sizes and mutation rates in marsupials	<b>Belinda van Heerwaarden</b> Do endosymbionts influence thermal tolerance?
17:00	<b>Kyle Ewart</b> Pervasive relaxed selection in termite genomes	<b>Damien Dowling</b> Experimental support for a mitochondrial genetic contribution to climatic adaptation
17:15	<b>Doaa Doudin</b> Evolution of subtelomeres in birds and reptiles	<b>John Whale</b> Optimus Prime-ing: Can thermal resilience of seagrass seedlings be enhanced by a priming event?
17:30	Welcome event	

Day 2		
Room 1	Room 2	Room 3
AGM		
Tag team talk - Post-ejaculatory environments, paternal effects and more		
Afternoon tea		
Sexual selection 1	Evolution and Conservation 1	Microbial Evolution 3
<b>Fatema Akhter</b> Teasing apart the cost of sexual harassment and mating in females	<b>Grace Marsh</b> Genomic vulnerability to climate change in a Critically Endangered possum from southwestern Australia	<b>Christopher Brown</b> rescomp: An R package for resource competition modelling
<b>Daniela Wilner</b> Can sexual conflict explain geographic parthenogenesis?	<b>Emily Roycroft</b> Genetic load in island populations of Australian mammals	<b>Neetika Ahlawat</b> Nutrient packaging alters adaptation and genetic divergence in E. coli.
<b>Nirjana Dewan</b> Long-term fitness consequences of D.melanogaster populations evolved in the absence versus presence of male-male competition	<b>Oliver Stuart</b> Genetic rescue of reproductive fitness in a captive bred insect	<b>Jan Engelstaedter</b> The impact of natural transformation on adaptation to heterogeneous environments
<b>Pietro Pollo</b> Synthesis of sexual selection: a systematic map of meta-analyses with bibliometric analysis	<b>Aysegul Birand</b> Cheating evolution for conservation	<b>Michael McDonald</b> Horizontal gene transfer: making things happen in the the microbial world
ECR breakout		

Day 3		
Room 1	Room 2	Room 3
Lunch		
Tag team talk - Recent Advances in Ancient DNA		
Sexual selection 2	Morphological Evolution 3	
Megan Folwell Co-evolution of genitalia in Northern Pacific rattlesnakes (Crotalus oreganus)	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	
Afternoon tea		
Flash Talks		
Closing and Prizes		
Conference dinner		