



Day 1 Wednesday 1st October

Time	Room 1	Room 2
8:45	Welcome to AES: Renée Firman (AES President) and Simone Blomberg (Conference Host) - Welcome to Country Ceremony	
9:15	ECR Plenary Jamiema Sara Philip Easy come, easier go: mapping the loss of flagellar motility across the tree of life	
	Sociality. Chair: Renée Firman	Morphological evolution. Chair: Bryan Fry
10:00	Kim Wong: Royal Blood, Mortal Cost: The effects of inbreeding on survivorship and fecundity in European Royal Families	Carley Goodwin: A computational fluid dynamics (CFD) study exploring the effects of nasal passage morphology on respiratory airflow of bats (Rhinolophidae).
10:15	Lachlan von Pein: The potential for territorial defence and group augmentation to drive the evolution of human cooperation	Liz Surovic: A comparative morphology study of blennies looking at the water to land transition
10:30	Avantika Sharma: Intra-sexual competition in cooperatively breeding Western Australian magpies	Ray Chatterji: Dietary specialization drives adaptation, convergence, and integration across the cranial and appendicular skeleton in Waterfowl (Anseriformes)
10:45	Morning tea	
	Macroevolution. Chair: Matt Baker	Sexual selection. Chair: Lucinda Aulsebrook
11:15	Steve Cooper: Molecular evolution of Circadian Rhythm genes in blind water beetles from the dark biosphere	Andrea Piccinini: Buried alive: Post-copulatory behaviour of a Western Australian species of wishbone spider
11:30	Lachlan King: Consistent patterns of mutational covariance for Drosophila wing shape traits in three	Sanni Silvasti: Flashing signals and butterfly visual behaviour
11:45	Toby Kovacs: Genomics uncovers demographic declines in marsupials	Vicky Ying: Is parthenogenesis equivalent to inbreeding? Experimental evidence from a facultatively
12:00	Ian Brennan: The evolving adaptive landscape of Australian dragons	Daniela Wilner: Sex-resistant stick insects and their microscopic inhabitants: Could endosymbionts explain
12:15	Annie Guillaume: Corals, currents and climate: seascape genomics for informing conservation	Shay Hirani: Scaling and developmental integration of a massively exaggerated secondary sexual sensory trait
12:30	Lunch	
	Plasticity. Chair: Alistair Senior	Various. Chair: Cynthia Riginos
13:45	Erin Macartney: Paternal dietary effects on seminal fluid and offspring development	Manuel Poretti: Genome evolution and adaptive potential of symbiotic algae <i>Symbiodinium</i> in coral bleaching recovery
14:00	Tim Temizyurek: Definitions of phenotypic plasticity	Tom Schmidt: Dissecting new pest invasions with evolutionary genomics
14:15	Simon Hart: The effect of phenotypic plasticity on plant population dynamics in a non-stationary environment	Jia Chang: The distinct genomic evolution of <i>Serratia</i> symbionts in the redlegged earth mite
14:30	Daniel Hoops: Neuroanatomical changes in Australian lizards detected using 3D imaging	Moshe Jasper: Demography & selection in the <i>Aedes aegypti</i> invasion of the Asia-Pacific
14:45	Eve Maunders: The microbial makings of a marine sponge	Janne Torkkola: Mapping reproductive mode in Australian sphenomorphine skinks

15:00	Afternoon tea	
	Macroevolution. Chair: Putter Tiatragul	Speciation/Development/Various. Chair:
15:30	James Richardson: Cross-feeding supports the evolution of a gleaner-opportunist pair	Kei-Lin Ooi: Diversification in nymphalid butterflies: effects of sexual size dimorphism, conspicuousness and eyespots
15:45	Thea Elson-Green: We'll cross that bridge when we get there - diffusion bridges for ancestral trait reconstruction	Byon Nongthongbam: Genome size and TE content variation in a global invasive species
16:00	Romane Normand: Meta-analysis on the evolutionary parallelism of native and introduced plants	Owen Holland: Revisiting the cytogenetics of the parthenogenic grasshopper <i>Warramaba virgo</i> with hybridisation and Next-generation sequencing
16:15	Alex Skeels: Paleobiome dynamics shaped a large Gondwanan plant radiation	Iva Popovic: Parallel adaptive admixture in a coral species triad
16:30	Oceane Blard: Sponge metamorphosis uses conserved animal developmental mechanisms	Jie Wang: Reticulation patterns in Australian burrowing frogs <i>Neobatrachus</i>
16:45	Alexandros Sotiropoulos: First indication of structural homology and co-evolution of candidate effector proteins of diverse fungi that attack other fungi	Tsering Chan: DNA methylation changes in response to infection by a co-evolved parasite in cane toads
17:00		Sandie Degnan/Huifang Yuan: Environmental regulation of cell state reprogramming revealed in ancient animal life cycles
18:00	Welcome drinks at Saint Lucy (Caffe e Cucina), Blair Drive, University of Queensland	