

## Tuesday 27th September

1600-1800 Registration  
1800-2000 Welcome Reception

Hotel Foyer  
Rottneest Room

## Wednesday 28th September

Chair: Leigh W Simmons

0850-0900	10 min	Welcome	Orion Function Room
0900-0945	45 min	Plenary 1 <b>CARL H. GERHARDT</b> <i>University of Missouri, USA</i>	<i>Evolution of communication: functional partitioning of signal space, sexual selection and speciation</i>
0945-1000	15 min	<b>Greg Adcock</b> <i>Australian National University</i>	<i>How do fairy-wrens recognize cuckoo chicks?</i>
1000-1015	15 min	<b>Ben L Phillips</b> <i>University of Sydney</i>	<i>Australian snakes and the feral cane toad. Sprightly evolution?</i>
1015-1030	15 min	<b>Terrie Finston</b> <i>University of Western Australia</i>	<i>Haplotype diversity in Pilbarus millsii, a widespread groundwater species of amphipod from the Pilbara, Western Australia</i>
1030-1045	15 min	<b>Jacqueline Read</b> <i>Macquarie University</i>	<i>Love hurts: sexual cannibalism and genital damage</i>
1045-1115	30 min	Coffee	
			Chair: Theresa Jones
1115-1145	30 min	<b>HOWARD RUNDLE</b> <i>University of Queensland</i>	<i>Divergent selection and the evolution of signal traits and mating preferences</i>
1145-1200	15 min	<b>Emile van Lieshout</b> <i>University of Melbourne</i>	<i>Mating behaviour and genital morphology in the earwig Euborellia brunneri</i>
1200-1215	15 min	<b>Gaynor Dolman</b> <i>University of Queensland</i>	<i>The effect of refugial isolation on morphological variation and reproductive isolation among three lineages of rainforest endemic skinks</i>
1215-1230	15 min	<b>Magdalena Zofkova</b> <i>University of Western Australia</i>	<i>Speciation in the Australian clam shrimp Lynceus (Crustacea: Branchiopoda: Conchostraca)</i>
1230-1400	90 min	Lunch	
			Chair: Dale Roberts
1400-1430	30 min	<b>ANDREW COCKBURN</b> <i>Australian National University</i>	<i>Oh brother, where art thou? An unanticipated and restricted role for kinship in avian cooperative breeding</i>

1430-1445	15 min	<b>Boris Baer</b> <i>University of Western Australia</i>	<i>Social insect sperm</i>
1445-1500	15 min	<b>Brad Foley</b> <i>University of Queensland</i>	<i>Identification of Loci Contributing to Mating Success and Multicomponent Sexual Signals in Male and Female Drosophila melanogaster</i>
1500-1515	15 min	<b>Elizabeth Sinclair</b> <i>Murdoch University</i>	<i>Teasing apart the sexual history in Lepidophyma (Squamata: Xantusiidae)</i>
1515-1530	15 min	<b>Francisco García-González</b> <i>University of Western Australia</i>	<i>Sperm viability matters in insect sperm competition</i>
1530-1600	30 min	Tea	Chair: Sarah Pryke
1600-1615	15 min	<b>Renee Firman</b> <i>University of Western Australia</i>	<i>Polyandry and reproductive failure in mice</i>
1615-1630	15 min	<b>Anna Van Homrigh</b> <i>University of Queensland</i>	<i>The Lek Paradox, Resolved? Establishing the presence of the Lek Paradox in a new species of Drosophila</i>
1630-1645	15 min	<b>Chris Longson</b> <i>Macquarie University</i>	<i>Understanding defensive toxicity</i>
1645-1700	15 min	<b>Emma Hine</b> <i>University of Queensland</i>	<i>Room to move in the G matrix: Identifying absolute genetic constraints to selection</i>
1700-1715	15 min	<b>Matt Hall</b> <i>University of New South Wales</i>	<i>Direct selection on male attractiveness fails to produce a response</i>
1715-1730	15 min	<b>Anne Gaskett</b> <i>Macquarie University</i>	<i>Sex signals, mimicry and deception by orchids</i>

## Thursday 29th September

		Plenary 2	Chair: Jason Kennington
0900-0945	45 min	<b>MARK BLOWS</b> <i>University of Queensland</i>	<i>Genetic limits to evolutionary change</i>
0945-1000	15 min	<b>Eleanor K O'Brien</b> <i>University of Western Australia</i>	<i>Local adaptation in forest trees from south-western Australia and implications for restoration</i>
1000-1015	15 min	<b>Russell Bonduriansky</b> <i>University of New South Wales</i>	<i>Reproductive ageing and sexual selection on male body size in a wild population of antler flies (Protophihila litigata)</i>
1015-1030	15 min	<b>Annette Usher</b> <i>University of Wollongong</i>	<i>Microsatellite markers reveal complexity within an eastern australian banksia hybrid zone</i>
1030-1045	15 min	<b>Martin Dziminski</b> <i>University of Western Australia</i>	<i>Variable maternal provisioning: determining fitness consequences in Crinia georgiana using microsatellite markers</i>

1045-1115	30 min	Coffee		Chair: Rob Brooks
1115-1145	30 min	<b>JOHN A ENDLER</b> University Of California Santa Barbara & James Cook University	<i>Innovation, Elaboration and Species Recognition in Australian Bowerbirds</i>	
1145-1200	15 min	<b>Michael Werner</b> University of Western Australia	<i>Theme and Variation: Sperm morphology and sperm motility in the rove beetle genus Aleochara</i>	
1200-1215	15 min	<b>Sarah Pryke</b> University of New South Wales	<i>Sexual colour communication in the Gouldian finch</i>	
1215-1230	15 min	<b>Paul Doughty</b> Western Australian Museum	<i>Information versus resource cues in adaptive phenotypic plasticity in amphibian larvae</i>	
1230-1400	90 min	Lunch		Chair: Gillian Rhodes
1400-1445	45 min	Plenary 3 <b>RUSSELL GRAY</b> University of Auckland	<i>The pleasures and perils of Darwinising culture (with phylogenies)</i>	
1445-1500	15 min	<b>Felix Zajitschek</b> University of New South Wales	<i>Genetic basis of age-dependent reproductive effort in an Australian field cricket favours the antagonistic pleiotropy theory of ageing?</i>	
1500-1515	15 min	<b>Timothy J Page</b> Giffith University	<i>Alternative histories: the effect of spatial scales on the biogeography of Australian freshwater shrimp</i>	
1515-1530	15 min	<b>Marianne Peters</b> University of Western Australia	<i>Relative contributions of the face and body to overall attractiveness</i>	
1530-1600	30 min	Tea		Chair: Joseph Tomkins
1600-1615	15 min	<b>Megan Higgie</b> University of Queensland	<i>Selection across a contact zone within <i>Drosophila serrata</i></i>	
1615-1630	15 min	<b>Gregory Holwell</b> Macquarie University	<i>Genital evolution in <i>Ciulfina</i> praying mantids: sexual selection and species isolation</i>	
1630-1645	15 min	<b>Steve Chenoweth</b> University of Queensland	<i>Natural selection, sexual selection, genetic constraints and the evolution of sexual dimorphism</i>	
1645-1700	15 min	<b>Katrina McGuigan</b> University of Queensland	<i>Genetic basis of wing shape in <i>Drosophila serrata</i></i>	
1700-1715	15 min	<b>Alison Rutstein</b> University of New South Wales	<i>Domestication and sexual selection in the zebra finch</i>	
1715-1730	15 min	<b>Susanne Zajitschek</b> University of New South Wales	<i>Female preference for unfamiliar males as a process influencing genetic diversity in guppies (<i>Poecilia reticulata</i>)</i>	
1730-1830	60 min	<b>AGM of the AES</b>		

## Friday 30th September

Chair: Terrie Finston

0900-0930	30 min	<b>SIEGY KRAUSS</b> <i>Kings Park and Botanic Garden &amp; University Of Western Australia</i>	<i>The interaction between fine-scale spatial genetic structure and realised dispersal of pollen and seed in <i>Banksia hookeriana</i> (Proteaceae)</i>
0930-0945	15 min	<b>Kathryn McNamara</b> <i>University of Melbourne</i>	<i>No effect of male copulation experience on female reproductive success in the almond moth, <i>Epehestia cautella</i></i>
0945-1000	15 min	<b>Michael Kearney</b> <i>University of Melbourne</i>	<i>Genetic diversity in a parthenogenetic grasshopper</i>
1000-1015	15 min	<b>Conrad Hoskin</b> <i>University of Queensland</i>	<i>Reinforcement drives rapid allopatric speciation in a rainforest frog</i>
1015-1030	15 min	<b>Simon C Griffith</b> <i>University of New South Wales</i>	<i>Looking back to an understanding of extra-pair paternity in birds</i>
1030-1045	15 min	<b>Kioumars Ghamkhar</b> <i>University of Western Australia</i>	<i>Phylogeny of <i>Abildgaardieae</i>: evidence from chloroplast trnL-F and ITS nucleotide sequences, and pollen morphological data</i>

1045-1115 30 min Coffee

Chair: Katrina McGuigan

1115-1130	15 min	<b>Robyn Sinclair</b> <i>Macquarie University</i>	<i>Leaf miner relationships with the Myrtaceae</i>
1130-1145	15 min	<b>Ellen van Wilgenburg</b> <i>University of Melbourne</i>	<i>Nest and colony mate recognition in polydomous colonies of meat ants (<i>Iridomyrmex purpureus</i>)</i>
1145-1200	15 min	<b>Desiree Allen</b> <i>Indiana University</i>	<i>Frequency of sex affects genetic architecture</i>
1200-1215	15 min	<b>Patrick-Jean Guay</b> <i>University of Melbourne</i>	<i>Ecology, behaviour and brain size in waterfowl</i>
1215-1230	15 min	<b>Donna Petfield</b> <i>University of Queensland</i>	<i>Genetic variance in female condition predicts indirect genetic variance in male sexual display traits</i>

1230-1400 90 min Lunch

Chair: Jonathan Evans

1400-1430	30 min	<b>DUSTIN MARSHALL</b> <i>University of New South Wales</i>	<i>Bateman's principle and sexual selection in marine broadcast spawners</i>
1430-1445	15 min	<b>Dinesh Rao</b> <i>Macquarie University</i>	<i>Web decorations in orb web spiders: evolution of a variable signal</i>
1445-1500	15 min	<b>Cara Francis</b> <i>University of Western Australia</i>	<i>Connectivity of stygobitic isopods in the Pilbara region, Western Australia</i>
1500-1515	15 min	<b>Belinda van Heerwaarden</b> <i>University of Melbourne</i>	<i>Do rainforest species have the ability to adapt to climate change?</i>

1515-1530	15 min	<b>Line Bay</b> <i>James Cook University</i>	<i>The evolution of species' borders: patterns of gene flow and genetic diversities on the range margins</i>
1530-1600	30 min	Tea	Chair: Leigh W Simmons
1600-1615	15 min	<b>Mike Johnson</b> <i>University of Western Australia</i>	<i>A complex archipelago promotes local genetic subdivision of intertidal snails</i>
1615-1630	15 min	<b>Rob Brooks</b> <i>University of New South Wales</i>	<i>Is advertisement calling a condition-dependent signal of genetic quality in the black field cricket?</i>
1630-1645	15 min	<b>Joseph Tomkins</b> <i>University of Western Australia</i>	<i>Estimating fitness functions in an status dependent male dimorphism</i>
1645-1730	45 min	Closing Plenary <b>GEOFF A PARKER</b> <i>University Of Liverpool</i>	<i>Evolution of complex life cycles in helminth parasites</i>
1800-2400		Conference Dinner	Indian Ocean Suite

## POSTERS

<b>Line Bay</b> <i>James Cook University</i>	<i>Metapopulation dynamics in a coral reef fish on the Great Barrier Reef</i>
<b>Maxine Beveridge</b> <i>University of Western Australia</i>	<i>Panmixia in Dawson's burrowing bee</i>
<b>Rachel Binks</b> <i>University of Western Australia</i>	<i>Investigating translocation: Cause for concern in conservation</i>
<b>Leigh Simmons</b> <i>University of Western Australia</i>	<i>Bacterial immunity traded for sperm viability in male crickets</i>
<b>Elizabeth Sinclair</b> <i>Murdoch University</i>	<i>Applying population genetics theory for improved outcomes in landscape restoration</i>
<b>Kioumars Ghamkhar</b> <i>University of Western Australia</i>	<i>Screening molecular and ecogeographic diversity in <i>T. spumosum</i> for developing a core collection</i>