	Ove		Overall Conference Schedule
Wed 1700 Thurs	2000	Monash Club	Welcome Drinks and Canapes at Monash Club
900	945	Learning and Teaching Building	Sign in & Coffee & Morning tea served
945	1000	Rosalind Franklin (G81)	Welcome to AES 2021 Zoom Link for Thursday Tag Team and 3 minute Talks
1000	1040	Rm G81	Tag team talk - Hodgins Lab
			Large haploblocks underlie rapid adaptation in an invasive weed
			Kathryn Hodgins, Paul Battlay, Jonathan Wilson, Diana Prapas
1040	1120	Rm G81	Tag team talk - McGaughran Lab
			Invasionomics Lab
			Ang McGaughran, Paige Matheson, Nicola Pyper
1120	1130		Break
1130	1230	Rm G81	3-mInute talks with breaks for Q&A
1230	1400		Lunch break
1400		Rm 1.32, 1.34 & 1.36	Afternoon session - 3 parallel sessions
1515	1530		afternoon break
1530	1645	Rm 1.32, 1.34 & 1.36	Afternoon session - 3 parallel sessions
Friday			
900	935	LTB Lobby	Coffee & Morning tea served
935	940	Rm G81	Welcome to Friday Zoom Link for Friday Tag Team and 3 Minute Talks
940	1020	Rm G81	Tag team talk - Rymer Lab
			Adaptive capacity to drought in eucalypts
4000	4400	D 004	Paul Rymer, Victoria Pérez Martínez, Anne-Cecile Colin, John Whale, Vaibhav Dagg
1020	1100	Rm G81	Tag team talk - Ujvari Lab
			Coupling evolutionary and ecological perspectives to understand health and disease in humans, animals and ecosystems
			Beata Ujvari, Antoine Dujon, Anne-Lise Gerard, Georgina Bramwell, Nick MacDonald, Nishat Nini Urmi, Nynke
			Raven
1100	1110		Break
1110	1210	Rm G81	3-mInute talks with breaks for Q&A
1210	1330	Rm G81	Lunch break
1330	1445	Rm 1.32, 1.34 & 1.36	Afternoon session - 3 parallel sessions
1445	1500		afternoon break
1515	1600	Rm 1.32, 1.34 & 1.36	Afternoon session - 3 parallel sessions
1700	1800		Make your way to Buses or into the city
1800	2300		Dinner and afterparty at La di da

Thursday Morning		3 MINUTE TALKS
Adaptation and Biogeo		Rosalind Franklin (Rm G81) Zoom Link for Thursday Tag Team and 3 minute Talks (zoom password is always 001859)
Julian Beaman	Flinders University	Warm tolerance in an Arctic seabird: legacy of an evolutionary past?
Abigail Robinson	Monash University	Manipulating breeding female quality reveals subtle helper effects in a cooperatively breeding bird
Daniela Wilner	UNSW Sydney	Incipient evolution of reproductive isolation in all-female populations of the facultative parthenogen Megacrania batesii
Jung-Chun (Zaza) Kuo	U. Melbourne	Do bees also count from left to right? Spatial-numerical association in honey-bees (Apis mellifera)
Pietro Ridone	UNSW Sydney	Spontaneous adaptation of ion selectivity in a bacterial flagellar motor
Soleille Miller	UNSW Sydney	Insight into the genomics of asexual reproduction in natural populations of the Peppermint Stick Insect, Megacrania batesii
Atharva Bhide	University of Auckland	Determining what proportion of random DNA sequences are beneficial and detrimental.
Q & A 10 mins		
Alex Slavenko	University of Sheffield	Islands in the sea to islands in the sky: Evolution and biogeography of New Guinea's montane skinks
Kawsar Khan	Macquarie University	Female pre-reproductive coloration is an anti-harassment signal damselflies
Blake Wyber	U. Western Australia	Habitat complexity and sexual conflict in the seed beetle Callosobruchus maculatus
Kelton Cheung	UNSW Sydney	Analysis of mitochondrial DNA reveals significant genetic diversity in invasive Australian cane toads
Rachael Dudaniec	Macquarie University	Sex matters in the race to combat climate change
Jennifer Evans	ANU	Testing explanations for population decline in an iconic Australian bird using novel application of genomics
Jackson Young	University of Melbourne	The effect of Wolbachia on climate change vulnerability in Drosophila pseudotakahashii
Q & A 10 mins		
Friday Morning		
Genetics and Climate of	change	Rosalind Franklin Zoom Link for Friday Tag Team and 3 Minute Talks
Janelle Ramos	UNSW Sydney	Ancestral reconstruction and synthesis of the flagellar rotor protein FliG
Imtiaz Islam	UNSW Sydney	Exploring the adaptation of the bacterial flagellar motor using ancestral sequence reconstruction and synthetic microbiology.
Ana Vasconcelos	UNSW Sydney	Defence chemicals inherited by offspring of a stick-insect
Shannon Kaiser	Macquarie University	Impacts of fire on the ecology of an invasive species, the cane toad
Yasmine McDonough	Monash University	Balancing selection as a consequence of evolutionary rescue
Tom Keaney	U. Melbourne	Sexual selection and the selfish allele
Lorenzo Galletta	Deakin University	The influence of parental pre-natal exposure to heat calls on cell stress response of offspring in a songbird.
Q & A 10 mins		
Madeleine de Jong	Monash University	The impact of increased heatwave intensity on male fertility in an Australian lizard
Jake Martin	Monash University	Sex and drugs: impacts of the pharmaceutical pollutant fluoxetine on female mate choice in the guppy, <i>Poecilia reticulata</i>
Connor Bevan	Monash University	Variation in the thermal tolerance of Australian native bees across altitude and latitude.
Patrice Pottier	UNSW Sydney	Can developmental plasticity rescue ectotherms from rising temperatures?
Samuel Lymbery	U. Western Australia	The science of war: group combat in ants and video games
Sian Macdonald	U. Melbourne	The effect of Spiroplasma on thermal tolerance in <i>Drosophila hydei</i>
Q & A 10 mins		
Q & A TO HIHIS		

THURS			10 MINUTE TALKS -
RM 132	Life history 1		Mary Anning (Rm 132) Zoom link for Mary Anning Thursday Afternoon
1400-1415	Russell Bonduriansky	UNSW	Somatic ageing involves cuticle necrosis and increased pigmentation in female Australian Leaf Insects (<i>Phyllium monteithi</i>)
1415-1430	Tom Allison	Monash University	Sex specific transgenerational effects of diet on offspring life history and physiology
1430-1445	Amanda Pettersen	U. Sydney	Lizard embryos maintain hatchling size despite greater developmental costs under fluctuating temperatures
1445-1500	Lucinda Aulsebrook	Monash University	Interactions between pharmaceutical pollution and temperature in Daphnia magna
1500-1515	Amanda Franklin	U. Melbourne	Australian jewel beetles vary in spectral sensitivity
			Coffee Break
	Biogeography and phylo	ogenetics	
1530-1545	Richard Edwards	UNSW	DepthKopy: copy number prediction using single-copy long-read depth profiles
1545-1600	Sarin Tiatragul	ANU	Making heads and tails of the evolution of blindsnakes in Australia
1600-1615	Vhon Oliver Garcia	U. Queensland	Sea snakes slither through seascape structure: Comparative biogeography of Hydrophis group sea snakes
1615-1630	Toby Kovacs	U. Sydney	Molecular phylogenetics of the "cave cockroach" family Nocticolidae
1630-1645	Renee Catullo	U. Western Australia	Reproductive character displacement and incorrect taxonomy of Toadlets (Uperoleia) identified using landscape genomics and acoustic
RM 134	Selection 1		Maria Sibylla (Rm 134) Zoom Link for Maria Sibylla Thursday Afternoon
1400-1415	Devi Stuart-Fox	U. Melbourne	Environmental drivers of skin pigments in agamid lizards
1415-1430	Katarina Stuart	UNSW	A genetic perspective on rapid adaptation in the globally invasive European starling (Sturnus vulgaris)
1430-1445	Lu-Yi Wang	U. Melbourne	Body size and climate as drivers of sunlight reflectance in jewel beetles
1445-1500	Cris Gallegos	Monash University	Genomic variation and thermal adaptation of cryptic species in a marine climate change hotspot
1500-1515	Jack Brand	Monash University	Biological invasions as a selective filter driving behavioural divergence
			Coffee Break
	Life history 2		
1530-1545	Upama Aich	ANU	Does age matter? Effect of male age and mating history on reproduction
1545-1600	Sam Ginther	Monash University	Correlates of biological production across the Metazoa
1600-1615	Avishikta Chakraborty	Monash University	Understanding cryptic genetic variation in plasticity in response to combined environmental stress
1615-1630	George Jarvis	Monash University	Macroevolutionary patterns in marine hermaphroditism
1630-1645	Ivan Vinogradov	ANU	Self-control: how does age, sex, and boldness affect it?
Rm136	Reproduction 1		Barbara McClintock (Rm 136) Zoom Link for Barbara McClintock Thrusday afternoon password: 001859
1400-1415	Dustin Marshall	Monash University	What role do larger mothers play in population replenishment?
1415-1430	Ashley Potter	Monash University	Drivers of sperm metabolism within and among species
1430-1445	Meng-Han Chung	ANU	Evidence that costs of ejaculation are minor relative to mating effort
1445-1500	Zhuzhi Zhang	ANU	How does access to water at different life stages affect male investment in reproduction and survival?
1500-1515	Lauren Harrison	ANU	How do losers (and winners) invest in sex?
			Coffee Break

	Selection 2		
1530-1545	Mylene Mariette	Deakin University	Acoustic developmental programming of individual responses to heat in an arid-adapted bird
1545-1600	Laura Ospina-Rozo	U. Melbourne	Diverse optical effects in Christmas beetles: investigating how and why
1600-1615	Marco Camaiti	Monash University	Untangling the ecomorphology of limb reduction: how substrate characteristics select for specific body proportions in skinks
1615-1630	Erin Macartney	UNSW	Environmental enrichment mitigates the effects of stress on cognitive performance: conducting a meta-analysis of interactive effects
1630-1645	Tara-Lyn Camilleri- Carter	Monash University	All the better to eat you with: Remarkable adaptations in the canine teeth of mammalian carnivores
FRIDAY	Cartor		
RM 132	Selection 3		Mary Anning Zoom Link for Mary Anning Friday Afternoon
1330-1345	Alexander Mikheyev	ANU	Is it venomous? Revisiting vertebrate venoms
1345-1400	Fonti Kar	UNSW	Evolutionary potential and developmental plasticity of growth
1400-1415	Mitchell Hodgson	University of Sydney	Variability in climatic extremes drive \nthermal limits across a species range
1415-1430	Perran Ross	U. Melbourne	Evolutionary changes in mosquitoes and Wolbachia: implications for dengue control
1430-1445	Giovanni Polverino	U. Western Australia	Background matching explains repeatable individual variation in defence strategies
			Coffee Break
	Reproduction 2		
1500-1515	Alistair Evans	Monash University	Evidence that costs of ejaculation are minor relative to mating effort
1515-1530	Tahlia Pollock	Monash University	No evidence for phenotypic condition-dependent ejaculate allocation responses to sperm competition in the seed beetle Callosobruchus
1530-1545	Jessie Tanner	U. Western Australia	Diversification of baculum (os penis) shape in Australasian rodents
1545-1600	Emily Richardson	Monash University	Knowledge gaps and life histories: a lack of longitude
1545-1600 RM134	Emily Richardson Insights from Genome S	-	Knowledge gaps and life histories: a lack of longitude Maria Sibylla Zoom Link for Maria Sibylla Friday Afternoon
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RM134	Insights from Genome S	Sequencing	Maria Sibylla Zoom Link for Maria Sibylla Friday Afternoon
RM134 1330-1345	Insights from Genome S	Sequencing Monash University	Maria Sibylla Zoom Link for Maria Sibylla Friday Afternoon Evolution on the X chromosome: theory meets data, in humans and flies
RM134 1330-1345 1345-1400	Insights from Genome S Filip Ruzicka Prasangi De Silva	Sequencing Monash University Monash University	Maria Sibylla Zoom Link for Maria Sibylla Friday Afternoon Evolution on the X chromosome: theory meets data, in humans and flies Genome assembly and comparative analysis of Australian native grass species reveals a recent whole genome duplication and biased of the second s
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RM134 1330-1345 1345-1400 1400-1415 1415-1430 1430-1445 1500-1515 1515-1530 1530-1545 1545-1600 RM 136 1330-1345	Insights from Genome S Filip Ruzicka Prasangi De Silva Oliver Stuart Iva Popovic Juan Garces Sociality Mariana Velasque Thomas Hagan James Makinson Guy Cooper Climate change and tem Collin Ahrens	Monash University Monash University ANU U. Queensland ANU Monash University U. Sydney Western Sydney U. University of Oxford	Maria Sibylla Zoom Link for Maria Sibylla Friday Afternoon Evolution on the X chromosome: theory meets data, in humans and flies Genome assembly and comparative analysis of Australian native grass species reveals a recent whole genome duplication and biased Genome structure and inheritance in Australia's most endangered insect, Dryococelus australis (Phasmatodea) Cryptic diversity and co-structuring of genetic variation in a foundational coral and its endosymbionts across the Great Barrier Reef Flying Insects as a source of environmental sampling Coffee Break How to create a working-class: uncovering the evolution of eusociality using Drosophila melanogaster The evolution of the sex locus in invasive populations of Apis cerana Tetragonula in the Top End: The foraging ecology, nest site preferences and potential cryptic species of stingless bees in the Northern The consequences of group structure and efficiency benefits for the evolution of division of labour Barbara McClintock Zoom Link for Barbara McClintock Friday Afternoon Genomic constraints of drought adaptation

1415-1430	Jake Brown	U. Melbourne	Investigating transgenerational effects of climate change on two Drosophila species
1430-1445	Cris Gallegos	Monash University	Genomic variation and thermal adaptation of cryptic species in a marine climate change hotspot
			Coffee Break
	Mitochondria and selfish	n elements	
1500-1515	Aysha Sezmis	Monash University	Horizontal Gene Transfer in Experimental Populations of Acinetobacter baylyi
1515-1530	Brooke Zanco	Monash University	Selection for biparental inheritance of mitochondria under hybridisation and mitonuclear fitness interactions
1530-1545	Callum McDiarmid	Macquarie University	Does mito-nuclear incompatibility underlie reproductive isolation in hybrids of two subspecies of Poephila acuticauda?
1545-1600	Hector Pacheco-Fuentes	Macquarie University	The consequences of experimental heat waves on mitochondrial metabolism in the Zebra Finch (Taeniopygia guttata)

Ten Minute Talk Speakers: please deliver your talks, on a usb, to your sessions' room 15 minutes before the afternoon session starts (near the end of the lunch break)