

	Day 3, November 27th		
8:00	Registration (8:00-8:45)		
8:45	Plenary, Dr. Emma Sherratt (8:45-9:35); Chair - Mike Kasumovic		
	Room 5	Room 6	Room 7
	<b>Microbial Evolution; Chair - Essi Havula</b>	<b>Co-Evolution Genomics; Chair - Robert Dugand</b>	<b>Adaptation; Chair - Jessie Tanner</b>
9:40	Wai Hoe Chin - From test-tubes to the gut: Does bacteriophage T4 evolve to persist in a life-like mucus layer of a gut-on-a-chip?	Tim Connallon - Quantifying maladaptation during the evolution of sexual dimorphism	Christopher Friesen - Experimental examination of telomere length in a polymorphic dragon
9:55	Amanda Norton - Accumulation and competition amongst Deformed wing virus genotypes in naïve Australian honeybees	Filip Ruzicka - Is the X chromosome a hotspot for sexually antagonistic polymorphisms? Biases in current empirical tests of theory	Szymon Drobniak - Evolving rainbows: deriving a spectrum of phylogenetic signals in avian colour evolution
10:10	Md Imtiazul Islam - Exploring the adaptation of the bacterial flagellar motor using ancestral sequence reconstruction and synthetic microbiology	Robert Griffin - Why does male-biased gene expression evolve so rapidly?	Andy TD Bennett - Plumage coloration in the <i>Platycercus elegans</i> ring species complex follows Gloger's rule
10:25	Matt Baker - Directed evolution of the ion channels of the bacterial flagellar motor	Richard Edwards - Investigating the evolution of complex, novel traits using whole genome sequencing and molecular palaeontology	Iliana Medina - Understanding ontogenetic variation in warning signals
10:30	Coffee break (10:30-11:00)		
	<b>Life History; Chair - Thomas White</b>	<b>Plasticity; Chair - Rosalyn Gloag</b>	<b>Sexual Selection; Chair - Megan Head</b>
11:00	Alistair Senior - Dietary Macronutrient Content, Age-Specific Mortality and Lifespan	Hamza Anwer - Obesogenic diets as a novel evolutionary stressor: the effects on phenotypic variation and its evolutionary implications	Rob Brooks - Gendered Fitness Interests: A Proposal Explaining How Family Composition Affects Socio-Political Attitudes and Behaviours
11:15	Essi Havula - Gene-diet interaction in the evolution of macronutrient tolerance and lifespan – lessons from the fruit fly	Cameron Hosking - Transgenerational Integration of Nutritional cues into Phenotype Development	Susi Zajitschek - Sex and Power: sexual dimorphism in trait variability and its evolutionary and statistical implications
11:30	Ilaria Venturelli - The evolution of life-history trade-offs: disentangling the effects of development time and body size on the evolution of lifespan	Ondi Crino - Mitochondria as the powerhouses of life-history strategies: testing links between the developmental environment, cellular metabolism, and fitness	Bruno Buzatto - Morph-specific artificial selection and correlated evolution between fighters, scramblers and females in a male dimorphic mite
11:45	Jussi Lehtonen - The evolution of longevity and the drift barrier	Harrison Eyck - Birds from matched developmental environments breed faster	Ifeoma Ugwuanyi - Connecting the pieces: evolution of genitalia in Cimicoidea (Heteroptera: Cimicomorpha)
12:00	Vanessa Higham - Complex interactions involving mitochondrial haplotype, nuclear genotype, sex and diet shape lifespan in <i>Drosophila</i>	Roshmi Rekha Sarma - DNA methylation levels affect performance, behaviour, morphology and mortality in larval amphibians	Samuel Lymbery - The outcome of sexual conflict depends on the social environment
12:15	Felix Zajitschek - Direct and cross-generational effects of nutritional and temperature stress	Corinne Letendre - The Evolution of Immune Function With Dietary Manipulation in the Decorated Cricket ( <i>Grylodes sigillatus</i> )	Khandis Blake - Sexual selection, mating markets, and female-female competition in humans: A tale of sexy selfies
12:30	Lunch (12:30-1:30) and Business Meeting (Room 4)		
	<b>Life History, Chair - Felix Zajitschek</b>	<b>Diversity and Variation, Chair - Andrew Robinson</b>	<b>Phylogenetics, Chair - Will Cornwell</b>
13:30	Russell Bonduriansky - Does ageing proceed similarly in natural and captive populations?	Cara Conradsen - Repeatability of spontaneous mutational parameter estimates in <i>Drosophila serrata</i>	Caitlin Cherryh - A new test for treelikeness in phylogenetic data
13:45	Eve Cooper - Diversity of ageing patterns in a highly promiscuous cooperative breeder	Juliet Byrnes - The relationship between neutral genetic diversity and species diversity: Four models	Jason Bragg - A macroscopic view of cryptic lineage diversity
14:00	Uddyalok Bangabash - The cost of being cool	Heidi Wong - Fitness consequences of a selfish supergene	Rob Lanfear - Confidence and truth in phylogenomics
14:15	Helma Nirubini Niranjana - Among-genotype variation and the role of diet in reproductive senescence	Robert Dugand - Does mutation explain standing genetic variation in complex phenotypes?	Simon Ho - Testing for correlations in evolutionary rates
14:30	Joe Tomkins - Towards an evolutionary understanding of human twinning	Alexander Sentinella - Seeing the forest for the genes: Using the q-profile to better detect landscape patterns of genetic differentiation	Timothee Bonnet - How fast are wild vertebrate populations evolving today?
14:45	Emily Richardson - Testing Werner's complex life cycle theory: measuring energy fluxes across ontogeny	Bill Sherwin - Evolution of Information or Entropy	Michael Jennions - The Selfish Reference Gene
15:00	Coffee break (3:00-3:30)		
	<b>Microbial Evolution, Chair - Matt Baker</b>	<b>Adaptation, Chair - Szymon Drobniak</b>	<b>Eco-Evolution, Chair - Jason Bragg</b>
15:30	Mike McDonald - Tracking horizontal gene transfer in experimental microbial populations	Kathryn Hodgins - Mating system impacts the genetic architecture of adaptation to heterogeneous environments	Yi-Kai Tea - Angels in disguise: Hybridisation in the marine angelfishes is widespread and occurs between highly divergent lineages
15:45	Nathan Lo - Genome erosion is linked to increased mutation rate in <i>Blattabacterium</i> endosymbionts	Ian Gooi - Predicting adaptive evolution in heterogeneous environments from standing genetic variation	Will Cornwell - Ecosystem consequences of Darwin's abominable mystery: how angiosperms changed the global C cycle
16:00	Andrew Robinson - Evolution on the microscope: observing the development of antibiotic resistance in individual bacterial cells in real time	Isobel Booksmyth - No support for the fitness-associated sex hypothesis in natural <i>Daphnia</i> populations	Matthew Symonds - Phylogeny and ecology predict medicinal use in Australian plants
16:15	Emily Remnant - Virus sex in a honey bee pathogen	Gowri Rajaratnam - Sex brushes and dirty flies: The development and evolution of a novel abdominal appendage in male sepsid flies	Martino Malerba - Many small or few large? How prey size evolution affects food web productivity
16:30	Plenary Dr. Oliver Griffith (4:30-5:20), Chair - Lisa Schwanz		
17:20	Student Awards and Closing Comments (5:20-5:45) - Mike Kasumovic		
17:45	Conference Dinner (5:45 - 10:30)		

Long talks in black; Short talks in blue