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| | Day 2, November 26th | | |
| 8:00 | Registration (8:00-8:45) | | |
| 8:45 | | | |
| 9:00 | Plenary, Dr. Michael Whitehead (8:45-9:35), Chair - Mike Kasumovic | | |
| 9:15 | | | |
| | Room 5 | Room 6 | Room 7 |
| | Speciation | Reproduction | Mitochondrial Evolution |
| 9:40 | Melanie Wilkinson - Divergence in the auxin pathway mediates convergent evolution and speciation in an Australian wildflower | Camilla Whittington - Gene expression and facultative oviparity in an Australian lizard | Ekta - The role of mito-nuclear interactions in conferring resistance to extreme heat stress in <i>Drosophila melanogaster</i> |
| 9:55 | Rose Andrew - Genomic and spatial landscapes of speciation in <i>Eucalyptus</i> | Charles Foster - Convergent evolution of placental function in the Australian sharpnose shark | Rebecca Adrian - Dropping like flies: mitochondrial genetics, Mother's Curse, and climbing performance in the fruit fly |
| 10:10 | Caroline Dong - When polymorphism and monomorphism meet: secondary contact between divergent lizard lineages | Joshua Christie - The evolution of self-incompatible mating types | Venkatesh Nagarajan Radha - Sometimes, it is not okay to be selfish! Selection against selfishly replicating mitochondrial plasmids in the slime mould |
| 10:25 | Coffee break (10:25-10:50) | | |
| 10:45 | | | |
| | Behaviour | Sexual Selection | Life History |
| 10:50 | Claudio Fichtel - Do cognitive abilities predict survival in wild grey mouse lemurs, <i>Microcebus murinus</i> ? | Angela Crean - Boosting sperm performance with seminal fluid supplementation | Christofer Clemente - Using a bio-inspired climbing robot to explore the evolution of optimality in climbing lizards. |
| 11:05 | Dominic Mason - Repeatability of Aversive Learning in Zebrafish | Jessica Hadlow - Context-dependent selection and ejaculates | Anastasia Shavrova - What works best? Life history trade-offs for early and late life fertility in extreme conditions |
| 11:20 | Lizzie Speechley - Investigating the relationship between sociality and cognition in the Western Australian magpie | Joe Moschilla - Identification of seminal fluid proteins responsible for the inhibition of remating in female <i>Teleogryllus oceanicus</i> | Julian Beaman - On the evolutionary potential of metabolic allometry and growth rate |
| 11:35 | Jules Smith-Ferguson - Slime moulds 'learn' when taking a risk is safe | Megan Head - How do early and late life stress interact to affect senescence? | Justin Chan - When to disperse in a patchy world: Exploring life history trade-offs for a saprotrophic fungus |
| 11:50 | Celine Frere - Inheritance pathways of social plasticity in nature | Tejinder Singh Chechi - Does sexual conflict mediate female effect on sperm competition? | Mariana Alvarez Noriega - Macroecological patterns in reproductive scaling |
| 12:05 | Caitlin Creek - Learning in predation | Malgorzata Lagisz - Research weaving: bringing meta-analysis, mapping and bibliometrics together | Michael Garratt - Mating without fertilization promotes a reproduction versus lifespan trade-off in female mice |
| 12:20 | Lunch (12:20-1:00) | | |
| 12:30 | | | |
| 12:45 | | | |
| | Behaviour | Life History | Adaptation |
| 13:00 | Terry Ord - Predation on animals with conspicuous ornamentation and behaviour: a field test using robotic prey | Goncalo Igreja Andre - Quantitative genetics insight into the coevolution male and female genitalia in house mouse (<i>Mus musculus domesticus</i>) | Nathan Butterworth - The smelly sex lives of blowflies |
| 13:15 | Bob Wong - Territorial aggression and the maintenance of colour morphs in cichlid fishes | Meng-Han Chung - When to produce and release sperm? An experimentally ablation surgery clarifying how male mosquitofish control over his ejaculate traits | Evatt Chirgwin - Physical and physiological impacts of ocean warming alter phenotypic selection on sperm form |
| 13:30 | Lauren Harrison - Aggressive males and friendly females? Sex differences in the variation and repeatability of animal personalities | Jake Penny - Development of microfluidic devices as a platform for sperm chemotaxis analysis. | Adriana Rebolledo Navarro - Assessing thermal performance of early life stages of a marine ectotherm |
| 13:45 | Rose O'Dea - Animal Personality and Behavioural Syndromes in both Means and Variance | Rowan Lymbery - Environmental effects on ejaculates and the consequences for offspring fitness | Teresa Kutz - Diet mediates adaptation to increased temperature |
| 14:00 | Ivan Vinogradov - "Handedness" in fish: stimuli-dependence and repeatability | Matthew Hall - How sex differences in a host can alter the evolution and epidemiology of a pathogen | Amanda Pettersen - Investigating mechanisms underlying countergradient adaptation to cool climates in wall lizard embryos |
| 14:15 | Rachel Irwin - Thermoregulatory behaviour as a function of habitat patchiness | Sally Drapes - Effect of habitat ephemerality on life-history | Zac Wylde - Sexual asymmetry in the condition-dependence of genitalic and somatic trait integration. |
| 14:20 | Coffee break (2:20-2:45) | | |
| 14:30 | | | |
| | Co-Evolution | Life History | Adaptation |
| 14:45 | Shinichi Nakagawa - What explains co-phylogenetic divergence between hosts and symbionts? | Dustin Marshall - Why do organisms grow? | Maddie James - The nature of parallel evolution in an Australian wildflower |
| 15:00 | Alexander Mikheyev - Ecological success by parasites in spite of massive bottlenecks during host shifts | Carlos Aguilar-Trigueros - Measuring fungal life-history traits to predict fungal ecology | Sean Layh - Mitochondrial experimental evolution: testing the role of thermal selection and nuclear background in shaping population frequencies of mitochondrial haplotypes. |
| 15:15 | Nicole Fortuna - Modelling host-shift dynamics in coevolving host-parasite systems | Andre Nogueira Alves - From Food to an Egg – How does protein affect egg production and development in <i>Drosophila melanogaster</i> | Klara L'Herpinier - The effect of solar radiation on the evolution of egg pigmentation in Australian passerines |
| 15:30 | Perry Beasley-Hall - Parallel gene losses in an endosymbiont are associated with independent host transitions to a subterranean lifestyle | Alexander Gangur - Eco-evolutionary consequences of resource abundance | Lachlan King - Effects of genetic drift on additive genetic variance can promote rapid adaptation to environmental change |
| 15:45 | | | |
| 16:00 | Media Coverage in Science, Prof. Neil Gemmell (3:45-4:30), Chair - Lee Rollins | | |
| 16:15 | | | |
| 16:30 | | | |
| 16:45 | Cash Bar / Poster session (4:30-5:30) | | |
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| 17:45 | | | |
| 18:00 | Grand Challenges Event, Using Gene Drive in Wild Populations (5:30-6:45) | | |
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| 18:30 | | | |