



Research School of Biology

HDR Conference Programme | Thurs 26th November 2020

12:00 – 12:30

Lunch and registration for speakers Robertson Atrium (Bldg 46)

12:30 – 12:50

Conference photograph, Welcome introduction and Best Thesis prize announcement
(Robertson Lawn – outside area adjacent to Bldg 46)

	Ecology & Evolution Chair: Octavio Jiménez Robles <i>@Robertson Lecture Theatre</i>	Plant Sciences Chair: Wil Hee <i>@Eucalyptus seminar room</i>	Biomedical Sciences & Biochemistry Chair: Christina Spry <i>@Slatyer seminar room</i>
13:00	Reliability in Eavesdropping Cameron Turner (Magrath Lab) Remote	Night warming trumps day warming in driving wheat respiratory acclimation Brad Posch (Atkin Lab) Remote	Targeting Thiamine (Vitamin B1) Metabolism and Utilisation in <i>Plasmodium</i> Thoni Fathoni (Saliba Lab) Remote
13:12	Multi-scale habitat associations of grouper at Ningaloo Reef, Western Australia David Ellis (Jennions Lab)	Impacts of Day and Night Warming on Wheat Growth and Respiration Andy Garcia (Atkin Lab)	Riboflavin utilization as a potential antiparasitic target against <i>Plasmodium</i> and <i>Toxoplasma</i> Ayman Hemasa (Saliba Lab)
13:24	Quantifying epifaunal secondary production within tropical macroalgal meadows Alex Chen (Jennions Lab)	What does it take to make C3 mitochondria C4-ready? Yuzhen Fan (Atkin Lab)	PfCRT's evolution into a drug transporter - what has Cam734 become? Jamie Robertson (Martin Lab)
13:36	Treelikeness of phylogenetic data Caitlin Cherryh (Lanfear Lab)	FERONIA, one unusual receptor: Insights from comparative transcriptomics Alex Sloan (Rathjen Lab)	A unified model of amino acid homeostasis in mammalian cells Greg Gauthier-Coles (Broer Lab)
13:48	A pangenomics approach linking genotype and phenotype in the megapest, <i>Helicoverpa armigera</i> Andy Bachler (Stone Lab)	Functional characterisation of flax rust AvrP effector protein Ayesha Akram (Jones Lab)	Characterising the regulatory effects of splice variants of transporters Vicky Zhang (Martin Lab)
14:00	Variation in cognitive abilities in mosquitofish Ivan Vinogradov (Jennions Lab)	SIX6: A cell death inducing effector Daniel Yu (Williams Lab)	How do we tell if a worm has dementia? Xuexin Gao (Callaghan Lab)
14:12	Introducing a fungus into NSW for biological control of weed Wandering Trad Isabel Zeil-Rolfe (Linde Lab)	Understanding principles of miRNA-mediated target regulation in plants Gigi Wong (Millar Lab)	Elucidating and exploiting the electron transport chain of <i>Toxoplasma gondii</i> parasites Jenni Hayward (van Dooren Lab)
14:24	Why do we expect males to be more variable than females? Lauren Harrison (Jennions Lab)	Characterising the chemical inhibitors of a drought response regulator, SAL1 Nay Chi Khin (Pogson Lab)	Fine-needle aspirate sampling of a tumour treated with immune checkpoint blockade therapy Andrew Almonte (Fahrer Lab)
14:36	Male age and experience are highly correlated, but which determines reproductive success? Upama Aich (Jennions Lab)	Towards the identification of the unknown apocarotenoid signal ACS1 Julie Leroux (Pogson Lab)	
14:48		NIP2 proteins of <i>Rhynchosporium commune</i> - What are they doing? Reynaldi Darma (Solomon Lab)	
15:00-15:30	AFTERNOON TEA		

	Ecology & Evolution Chair: Damien Esquerré <i>@Robertson Lecture Theatre</i>	Plant Sciences Chair: Bayantes Dagvadorj <i>@Eucalyptus seminar room</i>	Biomedical Sciences & Biochemistry Chair: Cibelly Goulart <i>@Slatyer seminar room</i>
15:30	Systematics of black and orange spider wasps of Australia Mahin Chavoshi (Rowell Lab)	Investigating extracellular vesicles from the wheat pathogen <i>Zymoseptoria tritici</i> Erin Hill (Solomon Lab)	Structural and functional characterisation of MlaD from <i>Acinetobacter baumannii</i> Jing Zhang (Leyton Lab)
15:42	Methods in moth research: Genome polishing & remote sensing of flying insects Jesse Wallace (Zeil, Maleszka, Warrant Lab)	Investigating Fusarium oxysporum f. sp. lycopersici (Fol) Avr3 effector function and activation of defence responses following recognition by I-3 Sharmin Rima (Jones Lab)	Determining the substrates of ABCA4 Ruth Skrzypek (Callaghan Lab)
15:54	Morphological Phylogeny of the Rutiliini (Diptera: Tachinidae) James Lumbers (Rowell Lab)	Downstream signalling events of plant resistance protein TIR domains Jian Chen (Rathjen Lab)	Diving deep into the hypothetical world of <i>Shigella flexneri</i> Tanuka Sen (Verma Lab)
16:06	Adaptive radiation of Australian darkling beetles Living Li (Moritz Lab)	Investigation of the role of root flavonoids in the interaction of chickpea with nitrogen-fixing symbionts and parasitic nematodes Upul Vithanage (Mathesius Lab)	Of Monocytes and Malaria: Altered Asymmetry in <i>Plasmodium</i> Parasites Merryn Fraser (Maier Lab)
16:18	Genomes on Islands - improving the management of Australia's threatened mammals Mel von Moger (Moritz Lab)	New methods for confocal imaging of infection threads in <i>Medicago truncatula</i> Angus Rae (Mathesius Lab)	Expression of monocot Rubisco in <i>E. coli</i> Tim Rhodes (Whitney Lab)
16:30	Spaghetti to sausages: size and shape of the secretive blind snakes Putter Tiatragul (Keogh Lab)	Identification of auxin transport inhibiting flavonoids necessary for nodulation in <i>Medicago truncatula</i> Cindy Wang (Mathesius Lab)	
16:42	Interactions between Australian cuckoos and their hosts Cassandra Taylor (Langmore Lab)	Regulatory mechanism of a beneficial soil bacterium on nitrogen fixation capacity of <i>Medicago truncatula</i> Qingqing Han (Mathesius Lab)	
End of conference			

