

Slatyer Seminar Room (Building 46)						Gould Seminar Room (Building 116)						Research school of Biology HDR conference 2015 Thursday 26th November		
Elena Martin Avila/ Estee						Session chair/ IT helper						Biomedical Science and Biochemistry HDR student talks		
SPEAKER	Title	Lab	start	finish		SPEAKER	Title	Lab	start	finish		Evolution, Ecology and Genetics HDR student talks		
			9.00	9.10		Alaa Alzahrani	Elevated canonical Wnt signalling can cause Heterotaxy	Arkell	9.00	9.10		Plant Science HDR student talks		
Chin, Sabrina	The role of flavonoids in plant-nematode interactions	Mathesius	9.10	9.20		Koula Diamand	What causes congenital heart defects? Not enough ZIC or too much Wnt	Arkell	9.10	9.20		Research Themes		
Flohr, Bonnie	Flowering date stability in wheat	Evans	9.20	9.30		Kristen Barratt	When is an enhancer not an enhancer? The role of a ZIC2 non-coding conserved element in Cyclopia	Arkell	9.20	9.30		Computational Biology	Membrane transport and enzyme biochemistry	Ecology
Zhu, Lingling	Plasticity and adaptation of photosynthetic thermal tolerance	Atkin	9.30	9.40		Hannah Jones	Diabetes and birth defects: investigating the effects of maternal environment on genetic predisposition to neural tube defects	Arkell	9.30	9.40		Evolution and Genetics	Host-microbe Interactions	
Rungrat, Tepsuda	Genetic Basis of Natural Variation in Photoprotection in Arabidopsis	Pogson	9.40	9.50		Laura Wedd	Differentially methylated obligatory epialleles modulate context-dependent LAM gene expression in honey bees	Maleszka	9.40	9.50		Photosynthesis and PEB	Cell and developmental Biology	
Ahmad Rashid, Fatimah Azzahra (Zara)	Diurnal variation in respiratory metabolism in rice	Atkin	9.50	10.00		Sarah Hsieh	Discovering the Molecular Basis of Resistance in Australian Myrtaceae to the Exotic pathogen Myrtle Rust	Foley	9.50	10.00		SRES Lecture Theatre (Building 41)		
Watkins, Jacinta	Enhancing carotenoid stability in cereals	Pogson	10.00	10.10		David Kainer	Terpenes to Turbojets: whole genome approaches to increasing Eucalytpus oil yield	Foley	10.00	10.10		Session chair: TBA, IT helper: Mrinalini (Meenu) Pratap		
Hou, Xin	Novel functions of cis-Carotenoids in signaling and plant development	Pogson	10.10	10.20		Jack Simpson	High throughout behavioural monitoring of the European honeybee	Foret	10.10	10.20		SPEAKER	Title	Lab
Xiong, Xiaofeng	Functional Analysis of Carotenoids Isomerase Like Genes in Cyanobacteria	Pogson	10.20	10.30		Huw Ogilvie	Species trees in the age of phylogenomics	Moritz	10.20	10.30				
10:30 till 11:00 - Morning tea - served in building 46 atrium														
Kai Chan/ Veronica						Session chair/ IT helper								
SPEAKER	Title	Lab	start	finish		SPEAKER	Title	Lab	start	finish				
			11.00	11.10		Tom Semple	SEX - Systematics, Evolution & X-ray CT of thynnine wasps	Peakall	11.00	11.10				
			11.10	11.20		Alyssa Weinstein	Pollinator-mediated cryptic speciation in the Warty Hammer Orchid	Peakall	11.10	11.20				
Tee, Estee	What's stomata? The role of PAP in stomatal signalling	Pogson	11.20	11.30		Bo Choi	Taxonomic status of <i>Melaleuca argentea</i> "Ashburton biotype"	Crisp	11.20	11.30		Zhang, Meng	Role of Maurer's clefts proteins in trafficking of exported proteins and Maurer's clefts biogenesis	Maier
Deans, Ross	The stomatal CO2 response in gymnosperms, ferns and lycophytes and the relationship to photosynthesis	Farquhar	11.30	11.40		Meredith Cosgrove	Trait lability and niche evolution in <i>Callitris</i>	Crisp	11.30	11.40		Cheng, Qi	Screening of chemical compounds to identify specific inhibitors of the nutrient transporter B0AT1, a potential drug target for type 2 diabetes	Broer
Abdul Bahar, Nur	Does mesophyll conductance explain low photosynthetic capacity of tropical forest species?	Atkin	11.40	11.50		Ana Silva	Climate specialist vs. generalist: lineage diversity and demographic history of two species of <i>Carlia</i> skinks	Moritz	11.40	11.50		Shah, Nishank	Beyond Docking the B0AT: Identification of Novel Amino Acid Transport Inhibitors	Broer
Kariyawasam Batuwaththagamage	Physiological mechanisms underlying enhanced nitrogen productivity in rice	Atkin	11.50	12.00		Rebecca Laver	Gecko Trek: TNG	Moritz	11.50	12.00		Carey Hulyer, Alex	A Triple Lock on the coupling helices of P-glycoprotein	Callaghan
Dennis, Ross	Pass the sugar, sugar.	Furbank	12.00	12.10		Ian Brennan	Macroevolutionary patterns and niche diversification across Australian geckos	Keogh	12.00	12.10		Mittra, Rituparna (Ritu)	Identifying the drug binding site(s) of P-glycoprotein	Callaghan
Yuan, Ding	Persuading Tobacco to Produce Cereal Rubisco: A Simple Tutorial	Whitney	12.10	12.20		Gabrielle Openshaw	Cranium shape variation in monitor lizards	Keogh	12.10	12.20		Parker, Kathryn	A new family of Transporters in Toxoplasma gondii	van Dooren/Kirk
Danila, Florence	Counting PD using 3Di and SEM	von Caemmerer	12.20	12.30		Damien Esquerré Gheur	From giant to dwarf snakes: the evolution of allometry in pythons	Keogh	12.20	12.30		Howieson, Vanessa	Modified pantothenamides as potential antimalarials targeting the CoA biosynthesis/utilisation pathway	Saliba
Goodale, Emily	TBA		12.30	12.40		Taylor Wilcox	Environmental DNA detection of aquatic animals	Moritz	12.30	12.40		Tjhin, Erick Tanujaya	A molecular target of antiplasmodial pantothenate analogues	Saliba
12:40 till 13:40 - Lunch - served in building 46 atrium														
Benjamin Schwessinger/ IT helper						Session chair: Mike Jennions/ IT helper						Session chair: Denisse Leyton, IT helper: Edwin Tjhin		
SPEAKER	Title	Lab	start	finish		SPEAKER	Title	Lab	start	finish		SPEAKER	Title	Lab
			13.40	13.50		Judith Bourne	How <i>E.coli</i> chooses us	Gordon	13.40	13.50				
			13.50	14.00		Angelin Samuel (Robinson)	<i>E.coli</i> resurrection!!!	Gordon	13.50	14.00				
Zhang, Peng	The role of the Target of Rapamycin Kinase in heat response in the C4 plant Setaria viridis	von Caemmerer	14.00	14.10		Belinda Lallawmkimi Vangchhia	Is what you eat a risk?	Gordon	14.00	14.10		Shafik, Sarah	Identifying the natural substrates of the 'chloroquine resistance transporter', PfCRT	Martin
Osborn, Hannah	C4 photosynthesis and the tryhard, carbonic anhydrase	von Caemmerer	14.10	14.20		Buddhie Nanayakkara	Genotypic characteristics of free-living <i>Escherichia coli</i>	Gordon	14.10	14.20		Richards, Sashika	Characterisation of novel splice variants of transporters encoded by P. falciparum or A. mellifera in Xenopus oocytes	Martin
Farah, Nadya	Recognition study of AvrP/P123	Jones	14.20	14.30		Jono Henshaw	Why are there so few tiny sperm?	Jennions	14.20	14.30		Summers, Robert	Reversing chloroquine resistance in the malaria parasite	Martin
Lin, Shao-Yu	Identification and Characterization of Transcription Regulators for Parastagonospora nodorum Pathogenicity Genes	Solomon	14.30	14.40		Virginia Abernathy	Coevolution in Action: Defences Against Brood Parasitism in New and Old Hosts of the Eastern Koel	Langmore	14.30	14.40		Jing, Weidong	Flippases and scramblases regulate phospholipid distribution in the plasma membrane during platelet activation and apoptosis	Broer
Roman Reyna, Veronica	The wheat version during stripe rust infection	Rathjen	14.40	14.50		Michaela Purcell	Those indomitable galls	Rowell	14.40	14.50		Fairweather, Stephen (Steve)	Physiology of A Novel Family of Apicomplexan Amino Acid Transporters and Their Role in Virulence	Broer
Thynne, Elisha (Eli)	Horizontal gene transfer and gene loss have shaped the evolutionary path of three emerging fungal pathogens in Australia	Solomon	14.50	15.00		Fiorella Ramirez	Form follows function: Ant anatomy and behaviour	Zeil	14.50	15.00		Jiang, Yang	Slc6a19 -/- mice have white adipose browning features	Broer
Simbaqueba, Jaime	The characterisation of effector proteins in Fusarium oxysporum	Jones	15.00	15.10		Zoltán Kócsi	The Making of the Antarium	Zeil	15.00	15.10		Muthiah, Divya	Targeting the multidrug efflux pumps to overcome MDR in cancer.	Callaghan
Mead, Oliver	Forward genetics reveals novel aspects of pathogenicity in the wheat pathogen, Parastagonospora nodorum	Solomon	15.10	15.20		Joshua Van Lie	Habitat condition underpins fish biodiversity within estuarine sponge gardens	Fulton	15.10	15.20		Whitty, Elizabeth	The Pharmacokinetics of nanosphere drug carriers in solid tumour models	Callaghan
15:20 till 15:50 - Afternoon tea - served in Building 46 atrium														
Megan McDonald/ IT helper						Session chair/ IT helper						Session chair: Maja Adamska, IT helper: Sarah Shafik		
SPEAKER	Title	Lab	start	finish		SPEAKER	Title	Lab	start	finish		SPEAKER	Title	Lab
			15.50	16.00		Sonya Geange	What doesn't kill you makes you stronger? Investigating temperature tolerance in the alpine herb <i>Aciphylla glacialis</i>	Nicotra	15.50	16.00		Tjhin, Edwin	Getting Carried Away: Investigating Organellar Membrane Transport in Toxop van Dooren	
			16.00	16.10		Annisa Satyanti	Why does germination strategy of <i>Oreomyrrhis eriopoda</i> (Apiaceae) vary within and among populations?	Nicotra	16.00	16.10		Ridgway, Melanie	Setting Sex Boundaries in the Malaria Parasite	Maier
Taranto, Adam	Cross-cultivar Transcriptomics - comparing pathogen induced gene expression between non-model and polyploid host varieties.	Solomon	16.10	16.20		Robyn Shaw	Native rodents under fire: the immediate impact of fire on Pale Field-Rat populations and habitat structure	Peakall	16.10	16.20		Lim, Hong Kiat (Don)	Delineation of splenic stromal niche which support hematopoiesis	O'Neill
Murray, Kevin	kWIP: estimating genetic relatedness directly from sequencing data	Borevitz	16.20	16.30		Zoe Reynolds	The importance of unburnt patches for birds in a post-fire landscape	Cardillo	16.20	16.30		Rajput, Munazza Imran	Investigation of serotype converting bacteriophages of Shigella flexneri	Verma
Zheng, Zihui (Amber)	Characterizations of miR159-GAMYB pathway through evolution	Millar	16.30	16.40		Thomas Rowell	Hawk and Awe: Predator awareness training in the critically endangered Helmeted Honeyeater, <i>Lichenostomus melanops cassidix</i>	Magrath	16.30	16.40		Dennis, Adelaide	On the physical changes of malaria parasites in response to ion disrupting antimalarials	Kirk
Ganguly, Diep	Intersection of Plant Stress Response and DNA Methylation	Pogson	16.40	16.50		Liam Bailey	Climate windows: Assessing climate sensitivity using R package <i>climwin</i>	Van de Pol	16.40	16.50		Velusamy, Thilaga	Role of immune evasion during HSV-1 latency	Tscharke
Reichel, Marlene	Global identification of mRNA-binding proteins in Arabidopsis	Millar	16.50	17.00		Nina McLean	Warm weather puts birds in the mood earlier – but what are the consequences?	Van de Pol	16.50	17.00		Tseng, Yeu-Yang	Transcriptional analysis of HSV-1 infection	Tscharke
Branco, Rémi	Functional analysis of a putative developmental coordinator in Arabidopsis	Masle	17.00	17.10		Pip Beale	Hot Possums: Getting intoxicated and (un)coupling	Foley	17.00	17.10		Pratap, Mrinalini (Meenu)	The Block, Malaria Edition: Host cell modifications in Plasmodium falciparum	Maier
Lee, Han Chung (Han)	How do CEP peptides regulate plant development?	Djordjevic	17.10	17.20		Eleanor Stalenberg	The energetics of a nocturnal lemur in Madagascar	Foley	17.10	17.20		Carroll (Salmon), Christina	Cancer immunotherapy	Fahrer
Yu, Chun Wai (Ronald)	the Big Bran Theory	Pogson	17.20	17.30		Jessie Au	Chewing gum: a study into the unusual bark-chewing behaviour of the koala	Foley	17.20	17.30		Andrew, Erin	Complete Freund's Aduvant as a novel immunotherapy	Fahrer
5:30pm till late - Conference after party - drinks, free Crust Pizza and Turkish Pizza: served in Building 46 atrium and Little Pickle café area. Live music from 6:30pm.														