

	Monday, 12th Nov	Tuesday, 13th Nov	Wednesday, 14th Nov	Thursday, 15th Nov
7:30 AM	Registration	Registration	Registration	Registration
	Plenary Session 1 (Chair: Stefan Hiendleder)	Plenary Session 2 (Chair: Dave Burt)	Joint ISAFG - FAANG Plenary (Chair: Paolo Ajmone-Marsan)	FAANG Workshop: breakout sessions
8:30 AM Plenary	David Gorkin: <i>"Navigating the genome with epigenome maps: insights from the systematic mapping of chromatin state and accessibility across mouse fetal development"</i>	Peter Dearden: <i>"The architecture of a plastic trait"</i>	Christine Wells: <i>"Cell identity in the era of single cell profiling"</i> (Sponsored by Illumina)	Data: transcriptomes (Nathan Watson-Haigh) Wet lab: histone modification (Stephanie McKay + Brenda Murdoch)
9:15 AM Plenary	Michael Skinner: <i>"Environmentally induced epigenetic transgenerational inheritance of health and disease: ancestral ghosts in your genome"</i>	Sue Lamont: <i>"Some like it hot: functional genomics of response to heat stress in poultry"</i>	Brian Dalrymple: <i>"Genetics and genomics pathways to form and function: point and counterpoint"</i>	Data: genomes (Lloyd Low) Wet lab: transcriptomics (miRNA, RNA, IsoSeq: Brenda Murdoch + Stephanie McKay)
10:00 AM	Morning tea	Morning tea	Morning tea	Morning tea
10:30 AM	Session 1: Disease & immunity (Chair: Paul Coussens)	Session 4: Gene regulation (Chair: Steve Moore)	Joint ISAFG - FAANG Session: New technology applications (Chair: Ben Hayes)	FAANG WORKSHOP: plenary discussions (Chair: Chris Tuggle)
Keynote	David MacHugh: <i>"Functional and integrative genomics of bovine and human tuberculosis: a One Health perspective"</i>	Amanda Chamberlain: <i>"Identification of regulatory variation in dairy cattle with RNA sequence data"</i>	Tim Smith: <i>"Advances in genome technology"</i>	Summary of breakout sessions
11:15 AM	Laura Miller: <i>"e-PIG-enetics: porcine sncRNA response to highly pathogenic PRRSV"</i>	Stephanie McKay: <i>"A neuroepigenomic investigation of DNA methylation in cattle with extreme measures of docility"</i>	Tad Sonstegard: <i>"Discovery and editing of adaptive traits in livestock"</i> (sponsored by Recombinetics Inc)	Recommendations for FAANG
11:45 AM	Lunch	Lunch	Lunch	CLOSE
12:30 PM	Poster Session (even numbers)	Neogen Australasia Sponsor Session: Russell Lyons <i>"Neogen Agrigenomics: Global Innovation Local service"</i> ; Kylie Munyard <i>"Shades of alpaca grey: the causative mutation for grey in alpacas"</i> ; Iona MacLeod <i>"Ovine sequencing and functional annotation: the future for genomic selection in sheep"</i> ; George Sofronidis <i>"Meet the Laboratorydoodle, a genetically innovative breed"</i>	Weatherbys Scientific Australia Sponsor Session: Delivering animal genomics to drive research and profitability in livestock production, Romy Morrin-O'Donnell <i>"Welcome and Introduction to Weatherbys Scientific: our contribution to the Irish cattle industry and beyond"</i> ; Wayne Pitchford <i>"Incorporating functional genomics into the selection of tropically adapted beef cattle"</i>	
1:30 PM	Session 2: Reproduction & fertility (Chair: Brenda Murdoch)	Session 5: Functional genomics (Chair: Clare Gill)	FAANG Workshop (Chair: Chris Tuggle)	SHORT COURSES:
Keynote	Claire Wade: <i>"Evolution of reproductive behaviour in the dog"</i>	James Kijas: <i>"Functional genomics in atlantic salmon: a trait specific investigation generating multiple FAANG datatypes"</i>	FAANG overview: Chris Tuggle	Venue @ North Terrace Campus, University of Adelaide
2:15 PM	Marina Fortes: <i>"The landscape of bovine retrotransposon polymorphisms and its association with fertility and production traits in Australian tropical beef cattle"</i>	Chris Tuggle: <i>"An improved functional annotation of the domestic pig genome"</i>	FAANG project updates: Chris Tuggle, Colin Kern, Brenda Murdoch, David MacHugh, Amanda Chamberlain, Ben Hayes	
2:45 PM	Vanmathy Kasimanickam: <i>"Serum miRNA profiling in pregnant and non-pregnant beef heifers"</i>	Terry Bertozzi: <i>"Functional genomics without a genome: the phototransduction pathway of blind beetles"</i>	Open Discussion/ Q & A on FAANG Future	Introduction to R (Thursday 1:00 - 5:00 pm)
3:15 PM	Afternoon tea	Afternoon tea	Afternoon tea	
3:45 PM	Session 3: Environmental interactions (Chair: Carl Schmidt)	Session 6: Quick fire poster talks (Chair: Cindy Bottema)	FAANG Workshop: breakout sessions	Gene annotation with R (Friday, 9:00 am - 5:00 pm)
Keynote	Yanfang Wang: <i>"Genetic regulation of cold-induced WAT browning in pigs"</i>		Data: retrieval (Carl Schmidt + Peter Harrison) Wet lab: methylation (Bastien Llamas)	
4:30 PM	Daniela Lourenco: <i>"How genomics can help to identify resilient animals under environmental stress conditions"</i>	5 x 15' talks: Adetula Abiola Adeyinka, Thomas Hall, Min Wang, Luciana Regitano, Tomasz Sadkowski	Data: submission (Peter Harrison + Carl Schmidt) Wet lab: chromatin structure (HiC,ATACseq; Monique Rijnkels)	
5:00 PM	Raluca Mateescu: <i>"Current insights into genomics of thermotolerance in beef cattle"</i>	CLOSE	CLOSE	
5:30 PM	Poster Session (odd numbers)			
6:00 PM	Welcome Reception (6:00 - 7:30 pm):			
6:30 PM	National Wine Centre Concourse	Conference dinner (6:30 - 11:00 pm):		
7:00 PM		Adelaide Zoo - please meet at entrance by 6:25 pm		