



PROGRAM

MONDAY 13th July 2026

1200	Registration
1300 - 1630	EMCR Workshop: Tanya Perry - The Network Effect: Turning Conversations into Career Moves Hindley 3 Workshop Partner: MLA Workshop Sponsor: Drought Hub
1700 - 1730	Happy hour Partnered by MLA
1730 - 1815	Welcome and Opening Panel – Breakthroughs that matter- The cross-species science briefing. Facilitated by Matt Bekker Panel: Beef: Dr Penny Shulz; Dairy: Dr Jo Newton; Swine: Dr Lauren Staveley; Ovine: Dr Shawn McGrath; Equine (companion/performance): Dr Sam Franklin; Poultry: Dr Kapil Chousalkar
1815 - 1900	Drinks and Canapes

TUESDAY 14th July 2026

0730	Registration
0830 - 1030	Plenary 1 Hindley 1 & 2 Session Chairs: Mariana Caetano & Kapil Chousalkar Session Sponsor: Adelaide University
0830 - 0900	Conference Welcome
0900 - 0945	Keynote 1 Underwood lecture: Prof Ermias Kebreab - Innovative Pathways to Low-Emission Livestock
0945 - 1030	Keynote 2: Prof Sonia Liu - Precision Nutrition in Poultry Production: Challenges and Successes
1030 - 1100	Morning Tea Sponsored by: SARDI
1100 - 1230	Room: Hindley 1 Stream: Methane Abatement 1 Session Chair: Renata Tognelli & Charlotte Adam Room: Hindley 2 Stream: Nutrition 1 Session Chair: Mena Farazi & Tom Keogh Room: Hindley 3 Stream: Health Session Chair: Kiro Petrovski & Elena Dehnavi
1100	47 The effect of bromoform supplementation on microbial communities of pregnant beef cattle <i>Yohannes Messele</i> 106 Efficacy of single and combined bacillus probiotic supplementation in broiler diets <i>Lynette Hilly</i> 149 Producer perspectives on buffalo fly management: Insights from an Australian survey <i>Kathryn Dawson</i>
1110	53 Evaluation of gross, histopathological, and residues in tissues of grassfed Angus steers supplemented bromoform and a phytogenic compound at finishing <i>Samuel Warrick</i> 16 Supplementation of Rhodes grass hay with whole cottonseed improves average daily gain of Brahman cross steers in tropical Western Australia <i>James Dougherty</i> 265 Bloat Alert: What did we learn from making this app available to Australian producers for four years? <i>Shawn McGrath</i>
1120	198 Methane inhibition alters carbon isotope ratios of wool in Merino sheep <i>Cesca McInerney</i> 110 Bagasse as a prebiotic for bacillus probiotics <i>Lynette Hilly</i> 31 Correlations between IgG and immune-related miRNAs in colostrum and calf blood <i>Hue Do</i>
1130	418 Commercial-scale evaluation of a low-methane ration for reducing enteric methane emissions in sheep <i>Imelda Soriano</i> 257 Multi-omics analysis of milk and plasma reveals differences in dairy goats divergent for feed efficiency <i>Jayde Kirkham</i> 277 Supplementation with a specific yeast cell wall limits intestinal damage during a coccidiosis challenge <i>Alison Leary</i>
1140	213 Medicago spp. reduce methane when measured in vitro 175 Effect of silage additives on chemical composition, fermentation, 194 Effects of maternal gastrointestinal parasitism on growth of goat kids

	using abattoir derived ovine rumen fluid <i>Alyce Lowe</i>	and aerobic stability of whole-crop maize silage under tropical conditions <i>Nadar Khan</i>	<i>Morteza Moradi</i>
1150	223 Synergistic effects of pyromellitic diimide, rhubarb, fumarate, and monensin on methane reduction and hydrogen utilization in sheep fed lucerne pellets <i>Fran Cowley</i>	87 Nutritional modulators of bone strength in Broilers: Evaluating <i>Moringa oleifera</i> , a probiotic, and organic acid as antibiotic growth promoter alternatives <i>Xola Nduku</i>	393 Effect of CLOSTAT 500 (<i>Bacillus subtilis</i> PB6) on performance, carcass characteristics, and health of Australian feedlot cattle <i>Juliana Leite de Campos</i>
1200	327 Gross and histopathological observations of the rumen after brominated compounds fed to sheep for 60 days <i>Stephanie Payne</i>		202 Genetic parameters for saliva antibody tests against internal parasites in Merino sheep <i>Sarah Preston</i>
1210	199 Annual methane emissions profile for sheep grazing pasture in southern Western Australia <i>Umair Khan</i>		
1220 - 1330	Lunch Sponsored by: Beachport Liquid Minerals		
1330 - 1415	Plenary 2 Hindley 1 & 2 Session Chair: Alan Humphries		
1330 - 1415	Keynote 3 Harry Stobbs Memorial Lecture: Dr Elizabeth Boughton - In Search of Greener Pastures: Insights on Water, Carbon, and Biodiversity Pathways from Subtropical Beef Systems		
1415 - 1500	Science Snapshot Session 1 Session Chairs: Melindee Hastie & Leesa-Joy Dunstan		
1415	Introduction		
1420	207 Comparison of different diagnostic methods for the surveillance of <i>Haemonchus contortus</i> infections in sheep <i>Rebecca Farnell</i>		
1424	208 The effect of wind on sheep behaviour in arid Australia <i>Samantha Connor</i>		
1428	The effect of SeaFeed Sustain™ as a stabilised carrier for the abatement of methane in livestock production <i>Ruby Frick</i>		
1432	314 Effect of milk powder formulations on goat kid's diarrhea <i>Kimberley Capdevila Ospina</i>		
1436	244 The effects of incubating multispecies pasture with increasing doses of sugarcane extract (<i>Saccharum officinarum</i>) on in vitro methane production <i>Monique Berkhout</i>		
1440	246 The effect of maternal bromoform supplementation during late gestation and early lactation on progeny performance and microbiome diversity <i>Kellie Wenham</i>		
1444	249 Metabolomic profile of heat tolerant Droughtmaster cows <i>Pippa Pryor</i>		
1448	268 Understanding reproductive management in northern Australian beef cattle: A study of practices <i>Sampath Dissanayake</i>		
1452	153 Using LCMS-derived chemical data to predict the methane mitigation potential of temperate pasture species and species combinations <i>Dilini Weerathunga</i>		
1456	590 Virtual fencing in the rangeland cow-calf system: the efficacy and welfare implications of virtual fencing in a Northern Australian beef production system <i>Hannah Cummings</i>		
1500 - 1530	Afternoon Tea Sponsored by ZNE Ag CRC		
1530 - 1700	Science Snapshot Session 2 Session Chairs: Sarah Meale & Fazel Almasi		
1530	Introduction		

1535	28 Effects of dietary ammonium chloride in late gestation on sow reproductive performance in spring and summer <i>Thien Van</i>
1539	92 The use of a mask system to collect exhaled breath for methane measurements in sheep <i>Tianna Boyce</i>
1543	116 Prevalence and implications of sub-acute ruminal acidosis in dairy cows in Malaysia <i>Abdirahman Barre</i>
1547	121 Periparturient mortality in six Merino flocks in western Victoria <i>Bea Kirk</i>
1551	283 Early insights into the role of virtual fencing in supporting drought resilience in South Australian beef systems <i>Bianca Agenbag</i>
1555	129 Influence of maize genotypes and harvest maturity on fermentation quality and nutritional value of whole-crop maize silage under tropical conditions <i>Nadar Khan</i>
1559	132 PregoPaws: investigating detection dogs for cattle pregnancy diagnosis <i>Ella Watkins</i>
1603	197 Bromoform concentrations in milk of dairy cows when fed bromoform-based products twice daily <i>Aodan o Neachtain</i>
1607	243 Modulation of methane emissions, and rumen microbiome on dairy cows through dietary supplementation of <i>Lactobacillus spp</i> <i>Sreemol Suthan Nair</i>
1611	140 Untargeted metabolomic profiling of plasma revealed parity-driven metabolic changes in Holstein-Friesian dairy cows <i>Naseema Kolathingal-Thodika</i>
1615 - 1620	Stretch Break
	Session Chairs: Michael Rose & Dilini Weerathunga
1620	55 Australian Wool Education Trust assists students to connect to the sheep industry <i>Jordan Norman</i>
1624	272 A maize-rich diet mitigates heat stress in pen-fed lambs but reduces marbling <i>Nani Gopal Das</i>
1628	156 Individual wet corn gluten feed components in high forage rations fed to Holstein steers contribute to changes in nutrient digestibility <i>Ludmila de Souza Monteiro</i>
1632	157 Development of an in vitro culture model of mammary epithelial cells isolated from goat milk for lab-grown milk production <i>Sapon Semsirmboon</i>
1636	163 Evaluating the efficiency of anthelmintics in grazing beef cattle in one property in Southern NSW <i>Forough Ataollahi</i>
1640	165 From pen to carcass: predicting untrimmed hot carcass weight using in-pen automated weighing <i>Jack Mayhew</i>
1644	308 Early risk prediction of sheep Facial Eczema using computer vision: A feasibility study <i>Xintao Zhao</i>
1648	178 Milk production responses to sequential stocking rates in hyper-diverse pasture managed under contemporary and regenerative pastoral systems <i>Varthani Susruthan</i>
1652	International Year of Rangelands and Pastoralists (IYRP) Update <i>Beth Penrose</i>
1705 - 1800	AAAS Biennial General Meeting
1800 - 1900	Practical Pathways to Lower livestock Emissions – ZNE Ag CRC Session

WEDNESDAY 15 th July 2026			
0815 - 1700	Registration open		
0850 - 1030	Plenary 3 Session Chairs: Alice Weaver & Kieren McCosker		Room: Hindley 1 & 2
0850 - 0900	Day 2 Welcome		
0900 - 0945	Keynote 4 McClymont Lecture: Assoc Prof Jimena Laporta - Early-Life Heat Stress: Management Strategies and Multigenerational Consequences		
0945 - 1030	Keynote 5: Prof Mike Steer - The Science Behind South Australia's Harmful Algal Bloom: Understanding Karenia and Its Effects on Marine Life		
1030 - 1100	Morning Tea		Sponsored by: CQU
1100 - 1210	<i>Room: Hindley 1</i> Stream: Climate Change and Heat Stress Session Chair: Amy Bates & Jeremy Cottrell	<i>Room: Hindley 2</i> Stream: Methane Abatement 2 Session Chair: Surinder Chauhan & Apeh Omede	<i>Room: Hindley 3</i> Stream: Reproduction Session Chair: Di Mayberry & Jamee Daly
1100	162 Effect of melatonin on semen quality in Merino rams under summer heat conditions <i>Megan Tscharke</i>	341 Australian government program to reduce methane emissions in livestock <i>P. Naidu Bodapati</i>	204 Ewe lamb joining performance: a case study within the national shedding sheep reproduction project <i>Anne Collins</i>
1110	200 Understanding accumulated heat load and chill to manage animal welfare health and productivity under variable climatic conditions <i>Vicki Mayne</i>	94 Methane yield of dairy cows is correlated with the ratio of methane and carbon dioxide in their breath <i>Richard Williams</i>	44 Oestrous cyclicity in Merino ewes during Spring <i>Alice Weaver</i>
1120	219 Identification and evaluation of pasture legumes adapted to low rainfall environments and climate extremes in southern Australia <i>Alan Humphries</i>	326 Long term supplementation of grazing sheep with an essential oil blend - effects on methane, reproduction, productivity and health <i>Stephanie Payne</i>	107 An economic comparison of fixed-time artificial insemination and natural mate in commercial Angus beef heifers <i>Jena Alexopoulos</i>
1130	80 Assessing climate effects on sheep liveweight using automatic weigh system technology <i>Danica Parnell</i>	288 Water-based delivery of bromoform formulations to mitigate methane in cattle <i>Tshering Gyeltshen</i>	192 Maternal supplementation of dietary guanidinoacetic acid on creatine production in twin-bearing Merino ewes and newborn lambs <i>Billie-Jaye Brougham</i>
1140	241 Evaluation of protein fractionations of two recognised and two novel tropical legumes for the seasonally dry tropics of northern Australia <i>Saranika Talukder</i>	188 The effect of bromoform extract oil combined with a probiotic on greenhouse gas emissions in Angus weaners <i>Kellie Wenham</i>	345 Nutrient restriction effects on ovulatory follicle and corpus luteum development and progesterone production of Bos taurus cows <i>Vitor Mercadante</i>
1150	172 Association between sheep activity and heat-load related parameters <i>Hamideh Keshavarzi</i>	254 Methane mitigation of beef steers via a molasses lick block containing an anti-methanogenic compound <i>Bridgette Logan</i>	224 Maternal diet during mid-late gestation programs the serotonergic system in the progeny of triplet-bearing ewes <i>Sue McCoard</i>
1200	398 Identifying leverage points for building resilient animal-source food systems in Southern Africa through systems mapping <i>Nobuhle Lungu</i>	151 Annual methane emissions profile for Angus cows grazing the South-West coastal pastures of Western Australia <i>Darren de Vos</i>	332 Anticlostridial antibody responses of twin Merino lambs after L-glutamine supplementation <i>Leesa Dunstan</i>
1210 - 1310	Lunch		Sponsored by: APL

1310 - 1340		Poster Session	
	124 Can forage conservation be used as a method to lower methane emissions on farms. <i>Kristy Bailes</i> 143 Effects of de-fatted Pongamia (Millettia pinnata) seed cake on intake and digestibility in cattle. <i>Mingbo Ni</i> 174 Functional Anti-Allergic Pet Yogurt Enriched with Fermented Herbal Extracts. <i>Sungkwon Park</i> 180 Rumen Microbiome Composition in Ewes Supplemented with SeaFeed™ Pellets and Rumen Modifiers. <i>Ibrahim Ahmad</i> 359 Validation and Commercialization of an Eggshell Powder-Based Composite Feed Additive for Improving Growth and Robustness in Pre-Weaning Hanwoo Calves. <i>Sungkwon Park</i>		
1340 - 1500	<i>Room: Hindley 1</i> <i>Stream: AgTech</i> <i>Session Chair: James Dougherty & Steph Sammes</i>	<i>Room: Hindley 2</i> <i>Stream: Nutrition 2</i> <i>Session Chair: Saranika Talukder & James Drouillard</i>	<i>Room: Hindley 3</i> <i>Stream: Production 1</i> <i>Session Chair: Shawn McGrath & Don Nguyen</i>
1340	35 Exclusion of sheep from an environmentally sensitive area using an automated virtual fencing device <i>Megan Willis</i>	214 Breeding pasture legumes for improved livestock health and welfare <i>David Peck</i>	211 Nitrogen isotopes in tail hair reveal differences in calf survival and cow liveweight production <i>Luis Prada e Silva</i>
1350	41 Vegetation classification through clustering of drone imagery to investigate livestock-pasture interactions <i>Sabine Schmoelzl</i>	212 Optimising grain mixes to balance herd nutrient intake when dairy cows have access to differential access time to pasture <i>Meaghan Douglas</i>	397 Adaptive growth responses of indigenous goats to water restriction <i>Oluwakamisi Akinmoladun</i>
1400	388 Data-driven benchmarking of paddock productivity in Australian beef systems <i>Faysal Hasan</i>	102 Comparison of extraction techniques of ruminal fluid: impact on pH, protozoa, ammonia-N and volatile fatty acid profiles of dairy cows <i>Charlotte Adam</i>	51 Influence of body weight at calving on subsequent milk production of dairy heifers <i>Nur Nazratul Fareha Mohd Yasid</i>
1410	191 Preliminary results on walk over weighing system usage and its effect on feedlot cattle performance <i>Madison Luke</i>	263 Pre-calving nutrition improves calf growth in northern beef herds <i>Luis Prada e Silva</i>	262 A network of mixed farming long-term experiments in Southern Australia Danica Parnell
1420	237 The On Animal Tracking System (OATS): an affordable open-source, wireless telemetry system <i>Glen Charlton</i>	307 Backgrounding cattle reveal potential for sorghum utilization in confinement feeding systems <i>Tatiana Jones</i>	324 Factors influencing sale of village chickens in resource-limited communities in South Africa <i>Marizvikuru Mwale-Manjoro</i>
1430	297 Customising pasture and animal productivity forecasts using on-farm data and machine learning <i>Tom Keogh</i>	508 Growth rate drives intramuscular fat deposition in lambs <i>Hussein Al-Moadhen</i>	342 Optimum productive life in pasture-based and intensive dairy systems <i>Joanna Newton</i>
1440	260 Can Global Navigation Satellite System (GNSS) data alone distinguish between cattle behaviours? <i>Gamaliel Simanungkalit</i>		309 Production of composite lambs under mixed farming systems in Southern New South Wales <i>Jessica May Wyse</i>
1450 - 1530	Afternoon Tea Sponsored by Phibro Animal Health		
1530 - 1700	Plenary 4 Room: Hindley 1 & 2 Session Chairs: Steve Larkin & Sean Miller		
1530 - 1615	Keynote 6: Dr Peter Crisp - Mini Livestock: Uses, Challenges and Opportunities		
1615 - 1700	Keynote 7: Dr Penny Schulz - Adoption Session		
1830 - 2230	Conference Dinner Sponsored by Lallemand National Wine Centre		

THURSDAY 16th July 2026

0815 - 1700	Registration open		
0850 - 1030	Plenary 5 Session Chair: Charlie Rikard-Bell		Room: Hindley 1 & 2
0850 - 0900	Day 3 Welcome		
0900 - 0945	Keynote 8 Barnett Lecture: Dr Lauren Hemsworth - Animal Behaviour and Welfare Assessment		
0945 - 1030	Keynote 9: Dr Joel Alves - How Rabbits Invaded the World, and What We Can Learn from It		
1030 - 1100	Morning Tea		Sponsored by APRIL
1100 - 1230	<i>Room: Hindley 1</i> Stream: Behaviour and Wellbeing Session Chair: Megan Willis & Joanna Newton	<i>Room: Hindley 2</i> Stream: Methane Abatement 3 Session Chair: Joe Jacobs & Kellie Wenham	<i>Room: Hindley 3</i> Stream: Production 2 Session Chair: Luis Prada e Silva & Hue Do
1100	303 Sheep remember a spatial maze one year after initial testing <i>Jessica Monk</i>	112 Faecal NIRS to predict methane yield of cattle offered diverse subtropical forages <i>Hayley Norman</i>	245 Preliminary study on the effect of breeding objectives on muscle fibre characteristics and meat quality <i>Huiling Huang</i>
1110	123 Non-steroidal anti-inflammatory drug use in ewes undergoing laparoscopic artificial insemination a literature review <i>Danila Marini</i>	226 A techno-economic assessment of the potential to reduce enteric methane from Australian livestock systems <i>Dianne Mayberry</i>	270 Dual energy x-ray absorptiometry data can predict commercial cut weight with good precision <i>Farrah Preston</i>
1120	269 The effect of season on the behaviour of sheep around a natural waterway <i>Rene Corner-Thomas</i>	279 Water delivery and efficacy of antimethanogenic additives in grazing sheep in South Australia <i>Alyce Lowe</i>	280 Do cooking methods influence sensory properties of premium beef cuts? <i>Don Nguyen</i>
1130	305 Repeatability of flight time and its relationship with growth in goats during an animal house trial <i>Jessica Monk</i>	284 The importance of defining methane phenotypes and time windows using Arcoflex sensors in dairy cows <i>Fazel Almasi</i>	292 Carcass characteristics and meat quality of Australian goat breeds and their crosses <i>Don Nguyen</i>
1140	189 Investigating the impacts of stocking density on sheep welfare, from controlled conditions to commercial reality <i>Amy Tait</i>	313 Assessment of methane reduction efficacy of 3-NOP delivered to cattle through drinking water <i>Gonzalo Martinez-Fernandez</i>	296 Contactless ML-Enabled Microwave Sensing for Grass Seed Detection in Sheep <i>Amus Goay</i>
1150	125 Can early-life enrichment shape the learning ability of sheep <i>Danila Marini</i>	344 Efficacy of tribromomethane rumen boluses on methane emissions in beef steers <i>Katerina Stasinopoulou</i>	333 The influence of secondary Improvac vaccination timing on pork quality <i>Melindee Hastie</i>
1200	186 Comparing single-trait and multi-trait analyses incorporating breech and body strike records to improve flystrike prediction accuracy in Australian Merino sheep <i>Elena Dehnavi</i>	231 Towards low-emission grazing systems: preliminary methanogenic potential screening of northern Australia forage plants <i>Sophia Escobar-Correas</i>	195 Producer perspectives on goat pain management <i>Kathryn Dawson</i>
1210	364 Brushing for enrichment: Implementing cattle brushes in a commercial feedlot <i>Hannah Cummings</i>	252 Nutritional and anti-methanogenic potential of edible shrubs from central NSW <i>Richard Meyer</i>	240 Shedding scores and liveweights across lifetime for Wiltshire cross ewes <i>Paul Kenyon</i>
1220	26 Reimagining herd grouping through a data-driven, multivariate cow profiling approach <i>Duranga Senanayake</i>	43 Effect of Antimethanogenic additive (3 NOP: Bovaer®) feed frequency on methane emission reduction in Merino grazing ewes in South Australia <i>Jamee Daly</i>	181 BREEDPLAN 200 day weight and milk EBVs predict weaning weight differences in Brahman <i>Kim Hubbard</i>

1230 - 1330	Lunch Sponsored by: Elanco	
1330 - 1430	<i>Room: Hindley 1</i> Stream: Methane Abatement 4 <i>Session Chair: Monique Berkhout & Leah Marett</i>	<i>Room: Hindley 3</i> Stream: Adoption and capacity building <i>Session Chair: Bereket Zeleke Tunkala & Bianca Agenbag</i>
1330	253 Assessing the effect of feeding Asparagopsis-based feed additives on bromoform, dibromomethane and bromomethane residues in milk during a whole lactation <i>Renata Tognelli</i>	183 Using Merino Flock Profiling to increase the adoption of ASBVs as a breeding decision tool for commercial Merino producers <i>Anne Collins</i>
1340	255 Engaging key producer influencers to influence change in knowledge, skills and attitudes to reducing emissions in agriculture <i>Emma McInerney</i>	234 Feedlot TECH: Livestock Health Fundamentals eLearning Course <i>Emily Litzow</i>
1350	256 Enteric methane emissions from Wagyu heifers fed a grower and finisher diet with varying doses of 3-nitrooxypropanol <i>David Innes</i>	298 Undergraduate and Post-graduate elective livestock consultancy course at Adelaide University <i>Kiro Petrovski</i>
1400	274 Effect of bromoform and phytogenic compound on growth performance and greenhouse gas emissions of grassfed Angus steers during the finishing phase <i>Yohannes Messele</i>	158 Student compendium internships build students skills, confidence, network and brand <i>Emily Steer</i>
1410	347 Performance of Nellore cattle receiving a bromoform-based additive during the feedlot finishing phase <i>Luiz Oliveira</i>	250 Bridging the academic-industry divide: initial findings of the AAAS ECN mentor program <i>Pippa Pryor</i>
1420	138 Geometric dose-response of <i>Lactobacillus</i> spp. on milk yield and enteric methane emissions in late-lactation dairy cows <i>Sreemol Suthan Nair</i>	Beyond the Feed: Creating value and community through social media <i>Jo Newton</i>
1430 - 1500	Afternoon Tea Sponsored by: Number 8 bio	
1500 - 1700	Plenary 6 Session Chair: Sam Franklin & Danila Marini	
1500 - 1545	Keynote 10: Prof Chris Whitton - The use of speed and stride data in racehorses to assess limb injury risk	
1545 - 1630	Keynote 11: Assoc Prof Alexandra Whittaker - From Leash to Legislation: Shaping Sustainable Policy for Companion Animal Welfare in a Tech-Driven World	
1630 - 1700	Conference Close and announcement of the next AAAS Conference for 2028	

FRIDAY 17th July 2026

0800 - 1500	Field Trip in SA
0800 - 1500	Monarto Zoo

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