



RAAN

Gold Coast 27th - 28th July 2023

CONFERENCE AUSTRALIA

Conference Program

Wednesday 26 July 2023	
5.00-6.00pm	Welcome Drink & Canapes
Thursday 27 July 2023	
8.45 - 9.00 am	Welcome Dr Fran Cowley
9.00 – 11.15 am	Opening session 1: Feeding livestock to feed the world Session Chair: David Pethick <i>Sponsored by USSEC</i>
9.00 - 9.20	McClymont Rural Science Review, to reflect his wholistic view of animal agriculture: The societal role of meat and the genesis of the Dublin Declaration Dr Neil Mann
9.20 - 9.40	The societal role of meat: The Dublin declaration and Australian animal agriculture Dr Ian Lean
9.40 - 10.10	Modelling a role for animal sourced food in sustainable diets Dr Holland Dougherty
10.10 - 10.40	Cumming-Farrell Oration, to reflect their contributions in monogastric nutrition: Net protein contribution from an intensive Australian pork supply chain Dr Rob van Barneveld
10.40 – 11.15	Panel Discussion
11.15 - 11.45am	<i>Morning Tea</i> <i>Sponsored by SFMCA</i>
11.45 - 1.00 pm	Session 2: Challenges of Aquaculture Nutrition Session Chair Rob van Barneveld
11.45 - 12.15	Aquaculture nutrition in Australia: challenges and trends Dr Ha Truong
12.15 - 12.45	Market driven assessment of alternate aquafeed ingredients: seafood waste transformation as a case study Dr Janet Howieson
12.45 - 1.00	Panel Discussion
1.00 - 2.00 pm	<i>Lunch & Posters</i> <i>Sponsored by: BASF</i>
01	Evaluation of the effects of medium-term (57-day) omeprazole administration and of omeprazole discontinuation on serum gastrin and serum chromogranin A levels in the horse. Miss Bethanie Clark
02	Effect of microalgae on <i>in vitro</i> rumen fermentation, gas and methane production Mr Ishaya Gadzama
03	Estimation of methane abatement by Asparagopsis supplementation of grazing cattle Dr Roger Hegarty
04	Early gut colonisation of bacillus probiotics in broilers in a leaky gut model Mrs Jacoba Bromfield
05	Modelling the consequences of individual animal selection in commercial livestock farming systems. Mr Thomas Keogh
06	A short-term broiler digestibility bioassay for calcium and phosphorus Dr Wayne Bryden
07	Dose and the efficacy of probotic <i>Bacillus amyloliquefaciens</i> strain H57 Dr Wayne Bryden

08	Effects of dietary supplementation of pure benzoic acid and resinated benzoic acid (Benzocal-50®) on growth performance in Ross 708 broilers Dr Haijun Liu
09	Performance of broilers fed diets, containing graded inclusion of feather meal, formulated on the basis of total or digestible amino acids Miss Yiman Sun
10	Bacillus probiotics: A promising alternative for improving animal health and productivity Mr Charlie Tran
2.00 - 3.30 pm	Session 3: Microbiome and Immunity Session Chair: Zoey Durmic
2.00 – 2.30	The intersections between rumen and human gut microbiota research: What goes around needs to come around for one health? Dr Mark Morrison
2.30 – 3.00	Malnutrition of pregnant cows and the impact on passive immunity transfer to calves Dr Luis Prada Silva
3.00 – 3.20	Panel Discussion
3.20 - 3.50 pm	Afternoon tea Sponsored: Ridley
3.50 - 4.30 pm	Session 4: Contributed papers Session Chair: Elizabeth Owens Sponsored: Rumin8
3.50 – 4.00	Managing the equine lactic acid challenge: an <i>in vitro</i> investigation into the effects of postbiotic supplementation on stabilising equine hindgut pH Miss Lauren Sheridan
4.00 – 4.10	Prepartum protein supplementation increases colostrum and IgG1 production in Brahman cows Mr Latino Gastao Dos Santos Coimbra
4.10 – 4.20	Impact of drying methods on nutritional composition of black soldier fly larvae as animal feed ingredient Mr Ishaya Gadzama
4.20 – 4.30	An improved method to estimate heat production by growing sheep Dr Holland Dougherty
7.00-10.00 pm	Conference Dinner
Friday 28 July 2023	
9.00-11.00 am	Session 5: Feeding poultry and novel feed ingredients Session Chair: Bob Swick
9.00 - 9.30	The challenge to reduce crude protein contents of wheat-based broiler diets Dr Peter Selle
9.30 - 10.00	Advances in prebiotics for poultry: role of the caeca and oligosaccharides Dr Natalie Morgan
10.00 - 10.30	The role of black soldier fly larvae protein and fat in companion animal nutrition: challenges and opportunities from an industry perspective Dr Anna Sutton
10.30 - 11.00	Panel Discussion
11.00 - 11.30 am	Morning Tea Sponsored by: Feedworks
11.30 - 12.40 pm	Session 6: Contributed papers Session Chair: Frank Dunshea Sponsored by JEFO
11.30 – 11.40	Dose-dependent enteric methane mitigation in grazing sheep supplemented with <i>Asparagopsis taxiformis</i> Dr Daniel Sitienei
11.40 – 11.50	A multi-component protease improved growth performance and feed cost savings on nutrient-reduced growing-finishing diets containing highly diversified ingredients Dr Roger Campbell
11.50 – 12.00	The use of on-animal sensors to assess individual intake of supplements in beef cattle Mrs Tamara Freitas-Kirk
12.00 – 12.10	Impacts of feeding lauric acid on performance of late-finishing, Improvac-treated male pigs. Dr John Pluske

12.10 – 12.20	Towards the use of more sustainable protein source investigating the nutrient content and amino acid digestibility of soybean meals from various origins in broilers. Dr Bob Swick
12.20 – 12.30	Does the falling-number value impact the adjusted digestible energy content of weather-damaged wheats for pigs? Dr Charles Rikard-Bell
12.30 – 12.40	Acidification of sheep urine using Negative Dietary Cation Anion Difference (DCAD) and different levels of Crude Protein (CP) in live export diets. Mrs Ifa Hanafi
12.40 - 1.40 pm	Lunch Sponsored by: Elanco
1.40 - 3.00 pm	Session 7: Nutrition of grazing ruminants Session Chair: Rodrigo Albornoz Sponsored by: Olssons
1.40 – 2.10	Revisiting tropical pasture intake – what’s changed in 50 years? Dr Ed Charmley
2.10 – 2.40	Multispecies forages in the dairy feedbase: What is the biological business case? Dr Anna Thomson
2.40 – 3.00	Panel discussion
3.00 - 3.30 pm	Afternoon tea Sponsored by: APRIL
3.30 - 5.00 pm	Session 8: Circadian Rhythms and chrono nutrition Session Chair: Sponsored by: UNE
3.30 - 4.00	Annison-Leng Oration, to reflect their contributions in ruminant nutrition: The importance of circadian rhythm in dairy nutrition Dr Kevin Harvatine
4.00 - 4.30	Interactions of diet and time to achieve precision nutrition of poultry Dr Amy Moss
4.30 - 4.50	Panel Discussion
4.50 - 5.00	Close Dr Fran Cowley