



Draft Conference Program

Wednesday 9th June 2021	
12.00-14.00	Registration Open
13.00	Lunch
14.00	Welcome Dr Fran Cowley
14.05	Opening Address TBC
14.15 – 15.30	Session 1: Evolution of Recent Advances Chair: Dr Fran Cowley
14.15	Annison and Leng Oration: Recent Advances in Animal Nutrition - Australia – the symposium’s first 50 years Emeritus Prof John Nolan, University of New England
15.00	Panel Discussion
15.30 – 16.00	Afternoon Tea and Trade Exhibition
16.00 – 17.30	Session 2: Implications of Human Nutrition for Animal Nutrition Chair Prof Frank Dunshea
16.00	McClymont Rural Science Review: Lessons for animal nutrition and production from the Australian Academy of Science Decadal Plan for the Science of Nutrition. Professor Mike Gidley, University of Queensland
16.30	Qualitative assessment of value in Australian pork across cultures. Dr Evan Bittner, University of Melbourne
17.00	Panel Discussion
17.30	Drinks in Trade Exhibition
18.30 - 20.30	Welcome networking barbeque
Thursday 10th June 2021	
08.30 – 09.00	Registrations Open
09.00 – 11.05	Session 3: Contributed Papers Chair: TBC
09.00	Full Fat Soybean as Layer feed: Research Challenges Budi Tangendjaja, U.S Soybean Export Council (USSEC)
09.20	Reusing food waste for aquaculture feed Dr Ha Truong, CSIRO
09.35	Towards the use of food wastes as a complete feed for the Australian poultry industry Hiep Dao, University of New England
09.50	Probiotic combinations with butyrate and feed enzymes and broiler performance. Tonghe Sun, University of Queensland



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10.05	The effects of lactobacillus-based probiotics on calves - productivity and gut microbiome John Alawneh, Terragen Biotech
10.20	Maize and wheat treated with a starch binding agent (Bioprotect®) can replace the wheat component in the diet of Merino lambs to ameliorate the effect of heat stress. Pragna Prathap, The University of Melbourne
10.35	Microbial protein production for livestock feed using sugarcane biorefinery substrates Zeynab Amini, Queensland University of Technology
10.50	Multienzyme Super-Dosing in Broiler Chicken Diets: The Implications for Gut Morphology, Microbial Profile, Nutrient Digestibility, and Bone Mineralization Jacoba I Madigan-Stretton, Bioproton
11.05 – 11.30	Morning Tea and Trade Exhibition
11.30 - 1300	Session 4. Creating New Feed Ingredient Chair: Professor Bob Swick
11.30	Food waste to animal feed: Opportunities and challenges Dr Valeria Torok, SARDI
12.00	Recent advances in utilising abattoir waste for additional value animal feed Professor Rob Speight, Queensland University of Technology
12.30	Panel Discussion
13.00 – 14.00	Lunch and Trade Exhibition
14.00 – 16.30	Session 5. Gastrointestinal Homeostasis and Health Chair: Professor Wayne Bryden
14.00	Cumming-Farrell Oration: Probiotics and gut health: linking gut homeostasis and poultry productivity Dr Shaniko Shini, University of Queensland
14.30	Recent advances in the use of plant phytochemicals to manage oxidative stress in the gut in poultry and pig Dr Jeremy Cottrell, University of Melbourne
15.00	Dietary amino acids, gut sensing, and feed intake regulation in pigs. Maximiliano Muller , University of Queensland
15.30	Comparison of gastrointestinal transit times in stabled Thoroughbred horses during abrupt dietary transition between freshly cut pasture and three conserved forage-based diets Professor Chris Rogers, Massey University
16.00	Panel Discussion
16.30 – 17.30	Poster session and trade exhibition
1	The protein degradation rate and the effect of steam pelleting of grains on cattle <i>Liyi Pan, University of Queensland</i>
2	An optimal dosage of butyric acid improves broiler growth performance. <i>Yann Lever, Global Nutrition International</i>
3	Effects of warming and drought on nutritional quality of two temperate pasture species. <i>Karen Luanna, Western Sydney University</i>
4	Amelioration of aflatoxicosis in broilers by ginger (<i>Zingiber officinale</i>). <i>Ryan Stevens, University of Queensland</i>
5	Effect of microencapsulated zinc on the growth performance of weaned piglets.



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Ludovic Lahaye, Jefe Nutrition Inc.

6 Determining molasses-urea block intake of beef heifers in pens from video recording.

Liyi Pan, University of Queensland

7 Intestinal viscosity changes as broilers age when fed a wheat based diet.

Lynette Hilly, Queensland University of Technology

8 Digestibility of wheat by broilers fed novel Bacillus probiotics.

Lynette Hilly, Queensland University of Technology

9 The impact of an agglomerate of dietary sodium diformate and monolaurate on the faecal microbiome of lactating sows.

Hugo Dunlop, Apiam Animal Health

10 Application of novel multi-species probiotic strains in broiler chicken diets: effect on performance, gut morphology, and microbial profile.

Jacoba I Madigan-Stretton, Bioproton

11 Is the equine gut colonised in utero?

Kirsty Mols, University of Queensland

12 Buffered formic acid and a monoglyceride blend coordinately alleviate subclinical necrotic enteritis impact in broiler chickens.

Kosar Gharib-Naseri, University of New England

13 Protein digestibility of feather meal by broilers and effect of protease.

Yiman Sun, The University of Queensland

18.30 – 21.00	Gala Conference Dinner
Friday 11th June 2021	
08.00 – 08.30	Registrations Open
08.30 – 09.45	Session 6: Contributed Papers Chair: TBC
08.30	Responses of broilers reared as single or mixed sex to low protein diets and the variations Ashley England, The University of New England
08.45	The effect of dietary energy density and supplemental rumen undegradable protein on visceral size & fat deposition in growing lambs Dr Holland Dougherty, University of New England / NSW DPI
09.00	How does fasting heat production vary relative to liveweight in sheep and cattle? Dr Holland Dougherty, University of New England / NSW DPI
09.15	Crossbred lambs offered individual free-choice selection of nitrate, salts, tannin and oxalate supplemented feeds increase voluntary feed intake with reduced enteric methane yield Katherine Smith, University of New England
09.30	Proteomic evaluation of the vitamin K status of horses: Application of the Carboxylated Analysis by Ceramic Hydroxyapatite Enrichment (CACHE) method to the plasma of vitamin K supplemented foals. Jazmine Skinner, University of Southern Queensland
09.45 – 10.15	Morning Tea and Trade Exhibition



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10.15 – 13.00	Session 7: Nutrition, Reproduction and Methane	Chair: Professor Roger Hegarty
10.15	Recent advances in genetic and nutritional manipulation of body composition in lactating and dry sows Tracy Muller, Murdoch University	
10.45	Recent advances in bull fertility: consequences of pre- and post-weaning nutritional intervention Matt Callaghan, University of Adelaide	
11.15	Harnessing plant bioactivity for enteric methane abatement strategies in Australia Dr Zoe Durmic, Murdoch University	
11.45	Methane mitigation strategies for livestock industries in NSW. Dr Almeida Amelia, NSW Agriculture	
12.15	Panel discussion	
12.45	Closing and Student Awards	Dr Fran Cowley
13.00	Lunch	