# Draft Conference Program

**Wednesday 9th June 2021**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>12.00-14.00</td>
<td><strong>Registration Open</strong></td>
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<tr>
<td>13.00</td>
<td>Lunch</td>
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<tr>
<td>14.00</td>
<td>Welcome Dr Fran Cowley</td>
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<tr>
<td>14.05</td>
<td>Opening Address</td>
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<tr>
<td>14.15-15.30</td>
<td><strong>Session 1: Evolution of Recent Advances</strong></td>
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| 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**   |
Professor Mike Gidley, University of Queensland |
| 16.30   | Qualitative assessment of value in Australian pork across cultures.  
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**

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>08.30-09.00</td>
<td><strong>Registrations Open</strong></td>
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<tr>
<td>09.00-11.05</td>
<td><strong>Session 3: Contributed Papers</strong></td>
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| 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 |

**Please note this program is subject to change without notification**

**Current as of 28/04/21**
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 Müller, 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 stream pelleting of grains on cattle.  
Liyi Pan, University of Queensland

Yann Lever, Global Nutrition International

3. Effects of warming and drought on nutritional quality of two temperate pasture species.  
Karen Luanna, Western Sydney University

4. Amelioration of aflatoxicosis in broilers by ginger (Zingiber officinale).  
Ryan Stevens, University of Queensland

5. Effect of microencapsulated zinc on the growth performance of weaned piglets.
| 6 | **Ludovic Lahaye, Jefo Nutrition Inc.**
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**
The impact of an agglomerate of dietary sodium diformate and monolaurate on the faecal microbiome of lactating sows. **Hugo Dunlop, Apiam Animal Health**

9 | Application of novel multi-species probiotic strains in broiler chicken diets: effect on performance, gut morphology, and microbial profile. **Jacoba I Madigan-Stretton, Bioproton**

10 | Is the equine gut colonised in utero? **Kirsty Mols, University of Queensland**
Buffered formic acid and a monoglyceride blend coordinately alleviate subclinical necrotic enteritis impact in broiler chickens. **Kosar Gharib-Naseri, University of New England**

11 | Protein digestibility of feather meal by broilers and effect of protease. **Yiman Sun, The University of Queensland**

12.30 – 21.00 | Gala Conference Dinner

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**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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**Current as of 28/04/21**
<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10.15</td>
<td>7:00</td>
<td>Recent advances in genetic and nutritional manipulation of body composition in lactating and dry sows.</td>
<td>Tracy Muller, Murdoch University</td>
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<td>10.45</td>
<td>7:30</td>
<td>Recent advances in bull fertility: consequences of pre- and post-weaning nutritional intervention.</td>
<td>Matt Callaghan, University of Adelaide and Ridley</td>
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<td>11.15</td>
<td>8:00</td>
<td>Harnessing plant bioactivity for enteric methane abatement strategies in Australia.</td>
<td>Dr Zoe Durmic, Murdoch University</td>
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<td>11.45</td>
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<td>Methane mitigation strategies for livestock industries in NSW.</td>
<td>Dr Almeida Amelia, NSW Agriculture &amp; University of New England</td>
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<td>Closing and Student Awards</td>
<td>Dr Fran Cowley</td>
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