



THE UNIVERSITY OF  
**SYDNEY**

In conjunction with:



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## 2026 AUSTRALIAN POULTRY SCIENCE SYMPOSIUM PROGRAM

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**February 8<sup>th</sup> 2026**  
**3:00pm till 5:00 pm**

**SUNDAY AFTERNOON INFORMAL WELCOME DRINKS AND NIBBLES**  
**Dizzy Bird Restaurant, Four Point by Sheraton Central Park**

Proudly sponsored by Ruth Consolidated Industries



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**February 9<sup>th</sup> - 11<sup>th</sup> 2026**

**THE UNIVERSITY OF SYDNEY BUSINESS SCHOOL**  
**Belinda Hutchinson Building H70,**  
**Cnr. Codrington and Abercrombie Streets, Darlington**

**DAY 1: Monday 9<sup>th</sup> February 2026**

- 9.00- **REGISTRATION**  
12:00 **Level 2 Concourse, University of Sydney – Belinda Hutchinson Building**
- 9.30- **MORNING TEA**  
10:30 **Level 2 Concourse, University of Sydney - Belinda Hutchinson Building**
- 09:30- **Student/Industry “Meet and Greet”**  
12:30 Mentors will be invited from relevant industry sectors and early career researchers that attend APSS 2026 will be encouraged to attend the networking function. Professors Roura and Walkden-Brown will do an introduction at the beginning of the session and then encourage mentors and mentees to engage in activities and conversations for the rest of the session.
- 12:00- **LUNCH**  
13.00 **Level 2 Concourse, University of Sydney - Belinda Hutchinson Building**
- 13.00- **OFFICIAL OPENING OF THE SYMPOSIUM**  
13.15 **Lecture Theatre, B2010 Basement Level, University of Sydney - Belinda Hutchinson Building**

The president of the PRF, Lisa Jamieson welcomes the audience and introduces Interim Pro Vice Chancellor (Research Enterprise) Professor Antoine van Oijen, from The University of Sydney to formally open the symposium. The director of the PRF, Associate Professor Reza Barekatin will then provide an overview of the scientific program.

## **POULTRY WELFARE AT THE FOREFRONT**

*Session 1 Chair: Dr. David Cadogan - Feedworks, Australia*

- 13.20-14.00** TRENDS, STANDARDS AND RESEARCH DIRECTIONS FOR THE FUTURE OF LAYING HEN WELFARE  
**Professor Tina Widowski – University of Guelph, Canada**
- 14.00-14.10 FROM NOISE TO INSIGHT: LISTENING TO CONSUMERS ON POULTRY WELFARE  
*Dr. Chien Duong – Curtin University, Australia*
- 14.10-14.20 REDUCING FEAR AND RISK OF PECKING IN POULTRY: WHAT ROLE CAN SENSORY PLANT EXTRACTS PLAY?  
*Dr. Jean-Francois Gabarrou – Laboratoires Phode, France*
- 14.20-15.00** RESILIENCE BEFORE RESTRICTION: INTEGRATING EARLY-LIFE EXPERIENCE, NUTRITION AND INDIVIDUAL VARIATION IN BROILER BREEDERS  
**Dr. Peta Taylor – University of Melbourne, Australia**
- Additional Q & A time if required
- 15.15-15.45 **AFTERNOON TEA**  
**Level 2 Concourse, University of Sydney - Belinda Hutchinson Building**
- REVISITING AMINO ACID NUTRITION AND FORMULATION**  
*Session 2 Chair: Ms. Katherine Balding – Baiada Poultry, Australia*
- 15.45-16.25** THREE DECADES LATER: FEED FORMULATION FLEXIBILITY REALIZED  
**Professor Michael Kidd – University of Arkansas, USA**
- 16.25-16.35 INTRINSIC AMMONIA: AN UNACKNOWLEDGED CHALLENGE  
*Associate Prof Peter Selle – The University of Sydney, Australia*
- 16.35-16.45# L-ALANINE, L-CYSTEINE, L-HISTIDINE AND L-TYROSINE INCREASE LACTOBACILLUS SALIVARIUS, L. RETEURI AND L PARACASEI GROWTH  
*Mr. David Chau – The University of Queensland, Australia*
- 16.45-16.55# NON-BOUND AMINO ACIDS AND ALTERNATIVE INGREDIENTS TO REPLACE SOYBEAN MEAL IN WHEAT, SORGHUM OR BARLEY-BASED BROILER DIETS  
*Miss Yutong Fu – The University of Sydney, Australia*
- 16.55-17.05# WHEAT CRUDE PROTEIN LEVELS IMPACT GROWTH PERFORMANCE AND GUT ENVIRONMENT IN BROILERS  
*Mr. Damilola Kareem - The University of Sydney, Australia*
- 17.05-17.15 THE EFFECT OF USING AN OPTIMALLY PRESSED CANOLA MEAL ON GROWTH PERFORMANCE, VISCERAL ORGAN WEIGHTS AND GUT MORPHOLOGY OF BROILER CHICKENS  
*Miss Yee Ling Enyu – Soon Soon Oilmills, Malaysia*

Additional Q & A time if required

17.30- **POSTER SESSION inc. CANAPES & DRINKS –**  
19.30 **Level 2 Concourse, University of Sydney - Belinda Hutchinson Building**

**POSTERS:**

- 1# THE RELEVANCE OF STARCH AND PROTEIN DIGESTIVE DYNAMICS ON BROILER PERFORMANCE: A META-ANALYSIS  
*Mrs. Mengzhu Wang – The University of Sydney, Australia*
- 2 IN VITRO XYLO-OLIGOSACCHARIDE RELEASE AND IN VIVO CAECAL SHORT-CHAIN FATTY ACID LEVELS IN BROILERS FED WHEAT- OR MAIZE-BASED DIETS  
*Dr. Eunjoo Kim – The University of Sydney, Australia*
- 3 DOSE RESPONSE EFFECTS OF LYSOLECITHIN IN A LOW ENERGY DIET ON GROWTH PERFORMANCE AND PROFITABILITY OF BROILER PRODUCTION  
*Mr. Matthew Oldnall – Pathway Intermediates Limited, United Kingdom*
- 4# IMPACT OF WHEAT PARTICLE SIZE IN REDUCED SOYBEAN MEAL DIETS ON BROILER PERFORMANCE  
*Mr. Milan Kandel – The University of Sydney, Australia*
- 5# IMPROVING AN *IN VITRO* DIGESTION MODEL TO EVALUATE FEED INGREDIENTS IN BROILER CHICKENS  
*Miss Xueping Jing – The University of Queensland, Australia*
- 6 VALIDATION OF A NEW NIRS APPROACH TO ESTIMATE METABOLIZABLE ENERGY IN BROILER DIETS  
*Dr Bing Guo – Adisseo Asia Pacific Pte Ltd, Singapore*
- 7 CRYSTALLINE ARGININE IMPROVES FEED EFFICIENCY AND STRESS RESILIENCE COMPARED TO INGREDIENT-BASED SOURCES IN HEAT-EXPOSED BROILERS  
*Mr. Jisoo Tak - CJ BIO, South Korea*
- 8 PROTEASE SUPPLEMENTATION CAN AMELIORATE NEGATIVE EFFECTS OF HIGH TRYPSIN INHIBITOR IN BROILER DIETS  
*Mr. David Torres – Novus International, Thailand*
- 9# PEAS AND LENTILS OR CANOLA MEAL USED AS SOYBEAN MEAL ALTERNATIVES IN BROILER BREEDER DIETS IMPROVED YOLK PIGMENTATION  
*Miss Beini Xu – The University of Queensland, Australia*
- 10 COMPARISON OF TWO COMMERCIAL PROTEASES ON THEIR EFFICACY FOR INCREASING AMINO ACID DIGESTIBILITY IN BROILERS FED A MIXED-CEREAL DIET  
*Dr. Amir Ghane – Danisco Animal Nutrition and Health, Singapore*
- 11 LOW-SOYBEAN MEAL DIETS HAVE MODIFIED AMINO ACID LIMITATIONS IN BROILER CHICKENS  
*Dr. Shemil Macelline – The University of Sydney, Australia*
- 12 IN FEED MATRIX VALUES ESTIMATION OF A HEAT STABLE E. COLI PHYTASE IN BROILERS  
*Mr. Thomas Wakeford – Huvepharma Australia Pty Ltd, Australia*

- 13 **GUANIDINOACETIC ACID UNLOCKS FEED ENERGY REDUCTION WITHOUT COMPROMISING PERFORMANCE AND CARCASS QUALITY IN BROILERS**  
*Dr. Yafeng Zhai – Numega Nutrition Pte. Ltd, Singapore*
- 14 **EFFECTS OF LYSOLECITHIN SUPPLEMENTATION ON NUTRIENT DIGESTIBILITY AND GROWTH PERFORMANCE OF BROILER CHICKENS FED DIETS WITH COCONUT OIL**  
*Mr Crison Timoging – Philchema, Inc., Philippines*
- 15 **EFFECTS OF L-SELENOMETHIONINE ON INCREASING SELENIUM DEPOSITION IN BROILER MEAT**  
*Mr. Martin Sinclair – Orffa Additives BV, Netherlands*
- 16# **EFFECT OF YEAST CELL WALL SUPPLEMENTATION ON THE GROWTH PERFORMANCE OF BROILERS UNDER HIGH STOKING DENSITY**  
*Mrs. Fatemeh Sharifi – Central Queensland University, Australia*
- 17 **POSTBIOTIC YEAST EXTRACT AS A FUNCTIONAL FEED ADDITIVE TO SUPPORT BROILER PRODUCTIVITY UNDER BOTH THERMONEUTRAL AND HEAT STRESS CONDITIONS**  
*Mrs. Caitlin Vosloo – Phileo Lesaffre, France*
- 18 **ELEMENTAL SELENIUM LIMITS THE UTILIZATION OF SUPPLEMENTED SELENIUM IN BROILERS**  
*Dr Bing Guo – Adisseo, Singapore*
- 19 **EFFICACY OF A NEW-GENERATION PHYTASE IN 21 DAYS BROILER CHICKENS COMPARED WITH A REFERENCE PRODUCT ON GROWTH PERFORMANCE, BONE PARAMETERS AND BLOOD BIOCHEMISTRY**  
*Dr. Xaviere Rousseau – AB Vista, Singapore*
- 20 **SANGUINARINE-BASED ISOQUINOLINE ALKALOIDS ENHANCE GROWTH PERFORMANCE, GUT HEALTH AND ALTERNATING GUT BACTERIOME AND MYCOBIOME IN BROILERS**  
*Dr. Yongyuth Theapparatt – Phytobiotics (Thailand) Co. Ltd, Thailand*
- 21 **POST-PEAK PRODUCTION BENEFITS OF A FEED SUPPLEMENTATION WITH A TRIPLE-STRAIN BACILLUS-BASED PROBIOTIC IN DYSBIOSIS-CHALLENGED LAYERS**  
*Mr. Antoine Meuter – Novonosis, France*
- 22 **SUPPLEMENTING A HIGH-DOSE OF PROTEASE IN THE STARTER DIET OF BROILER CHICKENS CHALLENGED WITH ESCHERICHIA COLI IMPROVED GROWTH PERFORMANCE AND INTESTINAL MORPHOMETRICS**  
*Mr. Derek Detzler – Jefo Nutrition Inc., Canada*
- 23# **ENERGY DEPENDENT REGULATION OF PERFORMANCE, INTESTINAL MORPHOLOGY AND GENE EXPRESSION IN BROILERS SUPPLEMENTED WITH GLUCOSE OXIDASE**  
*Mrs. Sharmin Akter – University of New England, Australia*
- 24# **TARGETED EARLY GUT COLONISATION IN BROILERS USING PROBIOTIC PEDIOCOCCUS SP.**  
*Miss Maria de las Malvinas Whitton – Central Queensland University, Australia*
- 25 **DIET- AND STRAIN-DEPENDENT SPORE OUTGROWTH KINETICS OF BACILLUS-BASED PROBIOTICS IN BROILER FEEDS**  
*Mr. Lukas Bauer – Evonik Operations GmbH, Germany*

- 26# NUTRIENT TRANSPORT AND BARRIER PROPERTIES CHANGE WITH CELL-LINEAGE COMPOSITION IN THE SMALL INTESTINE OF BROILER CHICKENS  
*Ms. Francisca Diaz-Aviles – The University of Queensland, Australia*
- 27# ADAPTIVE METABOLIC RESPONSES TO A LOW CRUDE PROTEIN DIET IN BROILER CHICKENS  
*Ms. Anguara Khatun – The University of Queensland, Australia*
- 28# SEQUENTIAL PROFILING OF DIETARY CARBOHYDRATES  
*Mr. Andrew Wallace -University of New England, Australia*
- 29# REDUCING DIETARY NET ENERGY IN BROILERS UNDER THERMONEUTRAL AND HEAT STRESS CONDITIONS  
*Ms. Carria Xie – The University of Sydney, Australia*
- 30 USING DAILY DATA TO DETERMINE FACTORS INFLUENCING MARKET BODY WEIGHT  
*Mr Thomas Wakeford – Huvepharma Australia Pty Ltd, Australia*
- 31 EFFECT OF AGE AND SEX ON INDIVIDUAL GROWTH PERFORMANCE IN FARM-RAISED COMMON PHEASANTS (PHIASIANUS COLCHICUS)  
*Professor Daria Murawska – University of Warmia and Mazury, Poland*
- 32 25-HYDROXY VITAMIN D<sub>3</sub> FROM FERMENTATIVE ORIGIN IMPROVES BONE TRAITS IN LATE-STAGE LAYING HENS  
*Mr Thomas Wakeford – Huvepharma Australia Pty Ltd, Australia*
- 33 NUTRIENT CONTENT OF RE-USED LITTER FROM A FREE-RANGE BROILER SYSTEM  
*Associate Professor Natalie Morgan – Curtin University, Australia*
- 34 NUTRIENT CONTENT OF EGG-RELATED WASTE FROM THE BROILER INDUSTRY  
*Associate Professor Natalie Morgan – Curtin University, Australia*
- 35# BLACK CUMIN SEED MEAL TO PARTIALLY REPLACE SOYBEAN MEAL AND ENHANCE SUSTAINABILITY OF BROILER PRODUCTION  
*Mr. Vahid Jazi – Central Queensland University, Australia*
- 36# BROILER PERFORMANCE ON LUPIN AND FABA BEAN-BASED STARTER DIETS  
*Mr. Obright Hamungalu – Massey University, New Zealand*
- 37 IMPACT OF GRADED LEVELS OF PALM KERNEL MEAL ON GROWTH PERFORMANCE AND NUTRIENT DIGESTIBILITY IN ROSS 308 BROILERS  
*Professor In Ho Kim – Dankook University, South Korea*
- 38# DIGESTIBILITY STUDY OF BLACK SOLDIER FLY LARVAE RELATIVE TO SOYBEAN MEAL SHOWED POSITIVE RESULTS IN PULLETS  
*Mr. Kar Wai Lai – The University of Queensland, Australia*
- 39 YEAST-DERIVED COMPONENTS REDUCE SALMONELLA IN VACCINATED AND UNVACCINATED LAYING HENS  
*Dr. Theresia Lavergne – Natural Biologics, Inc., United States of America*

- 40 ENHANCED CONTROL OF SALMONELLA AND ESCHERICHIA COLI BY  
PARAFORMIC ACID COMPARED TO FORMIC ACID AND FORMALDEHYDE: IN  
VITRO AND FEED CONTAMINATION STUDIES  
*Dr. Yafeng Zhai - Numega Nutrition Pte Ltd, Singapore*
- 41 DO WE KNOW THE TRUE GROWTH POTENTIAL OF MODERN BROILERS?  
*Dr Timothy Wester – Massey University, New Zealand*
- 42# PREDICTING BROILER GROWTH PERFORMANCE THROUGH MACHINE  
LEARNING ANALYSIS OF BLOOD BIOMARKERS RELATED TO HEAT STRESS  
AND METABOLIC IMBALANCE  
*Miss Nattawadee Jantasila – DSM Nutritional Products (Thailand) Ltd, Thailand*
- 43 DEVELOPMENT OF NOVEL COMPOUNDS FOR TREATMENT AND  
PREVENTION OF COCCIDIOSIS IN CHICKENS USING A TOXOPLASMA  
GONDII IN-VITRO MODEL  
*Dr Quinn Mackie – Adelaide University, Australia*
- 44 THE EFFECT OF INTELLIGENT RED LIGHT-EMITTING DIODE LIGHTING  
SYSTEM ON LAYING HEN PERFORMANCE  
*Professor Dorota Witkowska – University of Warmia and Mazury, Poland*
- 45 ASSOCIATION BETWEEN DIETS AND SHEDDING OF AMR *KLEBSIELLA*  
*PNEUMONIAE* IN POULTRY  
*Mr. Mian Khagan Shah – The University of Sydney, Australia*
- 46 AFLATOXIN B1-INDUCED MEAT LIPID OXIDATION IN BROILER CHICKENS  
AND AMELIORATIVE EFFECT OF GINGER  
*Professor Adekoyejo Samuel Oyegunwa, Tai Solarin Federal University of  
Education, Ijagun Nigeria*

## DAY 2: Tuesday 10<sup>th</sup> February 2026

7:00- **REGISTRATION FOR LATE OR TUESDAY ONLY REGISTRANTS**  
8:25 **Level 2 Concourse, University of Sydney - Belinda Hutchinson Building**

8.25- **DAY 2 OPENING ADDRESS**  
8.30 **Lecture Theatre, B2010 Basement Level, University of Sydney - Belinda Hutchinson Building**

**MANAGING ANTIBIOTIC-FREE PRODUCTION AND GUT HEALTH**  
*Session 3 Chair: Associate Professor Reza Barekatain – The University of Sydney, Australia*

**8:30- ALTERNATIVES TO ANTIBIOTICS: STATE OF THE ART AND FUTURE**  
**9:10 PERSPECTIVES**  
*Emeritus Professor Richard Ducatelle – Ghent University, Belgium*

9:10- AN INNOVATIVE, NON-INVASIVE METHOD TO ASSESS GUT HEALTH IN  
9:20 BROILERS  
*Dr. Madri Brink – Orffa Additives, Belgium*

9:20- A COMBINATION OF POSTBIOTICS AND PHYTOGENICS DRIVES BROILER  
9:30 PERFORMANCE GAINS  
*Ms. Lorrán Baeumle Gabardo – Cargill, Thailand*

9:30- PHYTOGENIC SUPPLEMENTATION ENHANCES PERFORMANCE,  
9:40# INTESTINAL HISTOMORPHOLOGY, AND INFLAMMATORY RESPONSE IN  
NECROTIC ENTERITIS CHALLENGED BROILERS  
*Mrs. Most Khairunnesa – University of New England, Australia*

9.40- INVESTIGATING THE COMPLEX PATHOBIOME OF ENTEROCOCCAL  
9.50 SPONDYLITIS: EVIDENCE FOR COINFECTION AND DIAGNOSTIC  
CHALLENGES IN AUSTRALIAN POULTRY  
*Dr. Sung Yu – Central Queensland University, Australia*

9.50- CLOSTRIDIUM PERFRINGENS ENZYMES SIALIDASE, CHITINASE AND  
10.00 COLLAGENASE EXERT A CONCERTED ACTION IN INITIATING NECROTIC  
ENTERITIS  
*Professor Filip van Immerseel – Ghent University, Belgium*

10.00- PATHOGENIC ENTEROCOCCUS CECORUM CAUSING BACTERIAL  
10.10 CHONDRONECROSIS WITH OSTEOMYELITIS DIFFER FROM COMMENSAL  
STRAIN IN GENETIC MAKE-UP AND PHENOTYPIC CHARACTERISTICS  
*Professor Filip van Immerseel – Ghent University, Belgium*

Additional Q & A time if required

10.30- **MORNING TEA**  
11.00 **Level 2 Concourse, University of Sydney - Belinda Hutchinson Building**

### **ARTIFICIAL INTELLIGENCE AND POULTRY PRODUCTION**

*Session 4 Chair: Professor Wayne Bryden - University of Queensland, Australia*

11.00- DATA-DRIVEN POULTRY PRODUCTION: FIELD VALIDATION OF MACHINE-  
11.40 LEARNING GROWTH MODELS PREDICTION WITHIN INTEGRATED DIGITAL  
MANAGEMENT SYSTEMS  
**Dr. Neamat ElTazi – PoultrySync, Egypt**

11.40- EXPLORING RISK FACTORS FOR FLOOR EGG PRODUCTION IN CAGE-FREE  
11.50# LAYER FLOCKS  
*Miss Ruby Putt - The University of Sydney, Australia*

11.50- INCREASED HEPATIC FATTY-ACID  $\beta$ -OXIDATION MAY EXPLAIN THE  
12.00# REDUCED FEED INTAKE IN BROILER CHICKENS FED HIGH CANOLA MEAL  
DIETS  
*Ms. Shay Sadr - The University of Sydney, Australia*

12.00- IMPACT OF A STIMBIOTIC FEED ADDITIVE ON MICROBIOME MODULATION  
12.10 AND SKIN PIGMENTATION IN BROILER  
*Dr. Xaviere Rousseau – AB Vista, Singapore*

12.10- SUBSTRATE TYPE INFLUENCES IN VITRO CECAL FERMENTATION IN 7-  
12.20# DAY-OLD CHICKS: GUIDANCE FOR DIET ADJUSTMENT DURING THE  
EARLY-LIFE STAGE  
*Miss Shuyu Yang, The University of Queensland, Australia*

12.20- ASSESSING THE IMPACT OF PROBIOTIC INTERVENTION ON BACTERIAL  
12.30 CHONDRONECROSIS WITH OSTEOMYELITIS (BCO) LAMENESS INCIDENCE  
IN BROILER CHICKENS  
*Mr. Antoine Meuter – Novonosis, France*

### **Special Recognition –**

by Ms. Lisa Jamieson and Mr. Richard Browning PRF Executive

12.45- **LUNCH**  
14.00 **Level 2 Concourse, University of Sydney - Belinda Hutchinson Building**

13.00- **WPSA AGM**  
14.00 *Seminar Room 2020, University of Sydney - Belinda Hutchinson Building*

### **FEED ADDITIVES**

*Session 5 Chair: Ms. Amanda Oltholf – AgriFutures, Australia*

14.00- BACTERIAL XYLANASE SUPPLEMENTATION ENHANCES GROWTH  
14.10# PERFORMANCE, NUTRIENT DIGESTIBILITY, INTESTINAL BARRIER  
FUNCTION AND MICROBIOMES COMPOSITION IN BROILERS  
*Ms. Benjaphorn Phusathian – Kasetsart University, Thailand*

14.10- EVALUATION OF COPPER SOURCE AND DOSE ON PHYTASE EFFICACY IN  
14.20 YOUNG BROILERS  
*Dr David Cadogan – Feedworks, Australia*

- 14.20- IMPROVING RED SORGHUM UTILISATION IN BROILER CHICKENS USING  
14.30 EXOGENOUS ENZYMES OR A REDUCING AGENT  
*Dr. Eunjoon Kim – The University of Sydney, Australia*
- 14.30- KINETICS AND LOCALIZATION OF SPORE GERMINATION AND  
14.40 OUTGROWTH OF A BACILLUS-BASED PROBIOTIC IN AN IN-VITRO MODEL  
OF THE POULTRY GASTROINTESTINAL TRACT  
*Mr. Lukas Bauer – Evonik Operations, Germany*
- 14.40- BUTYRIC AND VALERIC GLYCERIDES BLEND AND ESSENTIAL OILS  
14.50 IMPROVED BROILER PERFORMANCE AND INTESTINAL MORPHOLOGY  
*Dr. Alex Wu – Perstorp, Singapore*
- 14.50- MYCOTOXINS AND CONCURRENT STRESSORS: A COMBINATION OF  
15.00 CONCERNS IN COMMERCIAL BROILER PRODUCTION AND THE POTENTIAL  
EFFECTIVENESS OF A DETOXIFIER  
*Mr. Michele Muccio – Innovad Group, Belgium*
- 15.00 - BENEFICIAL IMPACT OF ESSENTIAL OIL SUPPLEMENTATION ON GROWTH  
15.10 PERFORMANCE, MEAT QUALITY, AND GUT MICROBIOTA IN COMMERCIAL  
BROILER CHICKENS  
*Dr. Elham Asadi Soumeh – The University of Queensland, Australia*
- 15.10 - XYLANASE SUPPLEMENTATION IN REDUCED ENERGY BROILER DIETS  
15.20 WITH VARYING WHEAT- CORN RATIOS: EFFECTS ON GROWTH  
PERFORMANCE  
*Dr. Thi Thanh Hoai Nguyen – The University of Queensland, Australia*

Additional Q & A time if required

- 15.30- **AFTERNOON TEA**  
16.00 **Level 2 Concourse, University of Sydney - Belinda Hutchinson Building**

#### **INTERPLAY BETWEEN ENERGY AND AMINO ACIDS**

*Session 6 Chair: Dr. Kosar Gharib Naseri – The University of New England, Australia*

- 16.00- OPTIMISING ENERGY AND AMINO ACID DENSITY IN MODERN BROILER  
16.40 DIETS: IMPLICATIONS FOR PERFORMANCE, NUTRIENT DIGESTIBILITY,  
NUTRIENT EXCRETION, AND FEED COST EFFICIENCY  
***Dr Mehdi Toghyani - The University of Sydney, Australia***
- 16.40- INTERACTIVE EFFECT OF LYSINE TO ENERGY RATIO AND FEED PHYSICAL  
16.50# CHARACTERISTICS IN STARTER DIETS ON BROILER GROWTH  
*Miss Deng Zhang – The University of Sydney, Australia*
- 16.50- OPTIMISING ENERGY DENSITY IN BROILER DIETS USING A CENTRAL  
17.00 COMPOSITE DESIGN  
*Mr Rodrigo Gravena – Tegel Foods, New Zealand*
- 17.00 - INFLUENCE OF DIETARY ENERGY AND PARTICLE SIZE ON PERFORMANCE,  
17.10# NUTRIENT DIGESTIBILITY, AND GUT DEVELOPMENT IN BROILER  
STARTERS  
*Mr. Mikael Sihite – Massey University, New Zealand*

19.00-  
23.00 **SYMPOSIUM DINNER**  
**Sponsored by Shandong Longchang**  
**Animal Health Product Co.,Ltd**



**Starship Sydney, #4 King Street Wharf, Darling Harbour**

Dress Code: Smart Casual

Bus transfers have been arranged to leave from Belinda Hutchinson Building and 4 Points at Sheraton @ 6:15pm SHARP, so please assemble at the pick up points by 6:10pm.

Returning buses will be departing Darling Harbour @ 11.00pm stopping at all hotels, notices will be placed on the buses as to which hotel they will be transporting to. For those making there own way, Starship will depart the wharf at 7pm sharp.



## DAY 3: Wednesday 11<sup>th</sup> February 2026

8.00- **REGISTRATION FOR LATE OR WEDNESDAY ONLY DELEGATES**  
8.55 **Level 2 Concourse, University of Sydney - Belinda Hutchinson Building**

8.55- **DAY 3 OPENING ADDRESS**  
9.00 **Lecture Theatre, B2010 Basement Level, University of Sydney - Belinda Hutchinson Building**

### LATEST TECHNOLOGIES IN POULTRY NUTRITION

*Session 7 Chair: Professor Dragana Stanley, Central Queensland University, Australia*

9.00- OPTIMISING THE CALCIUM AND PHOSPHORUS NUTRITION OF BROILERS  
9.40 USING BLOOD METABOLOMICS  
**Professor Aaron Cowieson – dsm-fermenich, Scotland**

9.40- EXCESS ARGININE INJECTED IN OVO DISRUPTS NUTRIENT TRANSPORT  
9.50# AND DETOXIFICATION PATHWAYS IN BROILER CHICKS  
*Ms. Nadeera Disanayaka – The University of Queensland, Australia*

9.50- PROTEIN SOURCE AND STARCH-PROTEIN DIGESTIVE DYNAMICS SHAPE  
10.00 GUT MICROBIOTA AND GROWTH IN BROILER CHICKENS  
*Dr. Jiasui Li - The University of Sydney, Australia*

10.00- EVALUATION OF A MODEL FOR PREDICTION OF RAW MATERIAL  
10.10 METABOLISABLE ENERGY FOR BROILER  
*Dr. Pierre Cozannet – Adisseo, France*

10.10- AN EVOLUTION IN MYCOTOXIN MITIGATION: TOWARD A HOLISTIC AND  
10.20 ROBUST MULTI-MODAL STRATEGY  
*Dr. Alexandros Yiannikouris – Alltech Lienert Australia, Australia*

Additional Q & A time if required

10.30- **MORNING TEA**  
11.00 **Level 2 Concourse, University of Sydney - Belinda Hutchinson Building**

### POULTRY DISEASES OF SIGNIFICANT CONCERNS

*Session 8 Chair: Ms. Jo McCloskey – Australian Eggs, Australia*

11.00- STRATEGIES TO OPTIMIZE ENERGY UTILIZATION IN MODERN LAYING  
11.40 HENS TO EXTENDED EGG PRODUCTION  
**Professor Michael Persia – Virginia Tech, United States of America**

11.40- DEVELOPMENTS TOWARDS PRECISION NUTRITION FOR POULTRY  
11.50 *Dr Amy Moss – University of New England, Australia*

11.50- REDUCING DIETARY CRUDE PROTEIN ENHANCES ILEAL AMINO ACID  
12.00# DIGESTIBILITY AND DECREASES CECAL MICROBIAL DIVERSITY IN  
BROILER BREEDERS  
*Mr. Bipul Chandra Ray - University of New England, Australia*

- 12.00- THE EFFECTS OF ARGININE, GUANIDINOACETIC ACID AND CITRULLINE  
12.10# SUPPLEMENTATION IN REDUCED PROTEIN DIETS IN AGED LAYING  
HENS  
*Mr. Aamir Nawab - University of New England, Australia*
- 12.10- EFFECTS OF A COMMERCIAL TRIPLE-STRAIN BACILLUS-BASED  
12.20 PROBIOTIC ON EGG QUALITY, PERFORMANCE, WELFARE AND  
LIVABILITY OF LAYING HENS  
*Dr. In Sun Yu – Novonosis, Thailand*
- 12.20- EFFECTS OF ENERGY AND LYSOLECITHIN LEVELS ON EGG PRODUCTION,  
12.30 PRODUCTIVE PERFORMANCE AND FAT DEPOSITION ON POST-PEAK  
BROILER BREEDERS  
*Mr. Matthew Oldnall – Pathway Intermediates Limited, United Kingdom*
- 12.30- ANAEROBIC AND TWO-STAGE BACILLUS SUBTILIS FERMENTATION  
12.40# IMPROVE IN VITRO DIGESTIBILITY OF SUNFLOWER MEAL FOR  
POTENTIAL USE IN POULTRY FEED  
*Mr. Ahmed Abdulrahman – University of Reading, United Kingdom*

Additional Q & A time if required

- 13.00- **LUNCH**  
14.00 **Level 2 Concourse, University of Sydney - Belinda Hutchinson Building**

**WELFARE, ENVIRONMENT & AVIAN INFLUENZA**

*Session 9 Chair: Professor Ruth Zadoks – The University of Sydney, Australia*

- 14.00- PATHOGENESIS AND REPLICATION OF AVIAN HEPATITIS E IN CHICKENS  
14.10 *Professor Kapil Chousalkar – The University of Adelaide, Australia*
- 14.10- THE SWEET CHALLENGE: PASTEURELLA MULTOCIDA LPS VARIATION  
14.20 AND FOWL CHOLERA CONTROL  
*Dr Lida Omaleki – The University of Queensland, Australia*
- 14.20- USING PLANT-DERIVED SOLUTIONS AS ANTIBACTERIAL AGENTS FOR  
14.30 HATCHING EGGS  
*Dr. Gabriel da Silva Oliveira – University of Brasilia, Brazil*
- 14.30- DIFFERENTIAL DETECTION OF ASCARIDIA GALLI AND HETERAKIS  
14.40 GALLINARUM EGGS IN INTESTINAL AND CAECAL DROPPINGS OF FLOOR  
HOUSED LAYING HENS  
*Dr Teka Dewo - University of New England, Australia*
- 14.40- RECENTLY DETECTED INFECTIOUS BRONCHITIS VIRUS STRAINS SHOW  
14.50 POOR PROTECTION CONFERRED BY VACCINES IN AUSTRALIAN FREE-  
RANGE LAYER FLOCKS  
*Dr Jose Quinteros – The University of Sydney, Australia*
- 14.50- FLYING UNDER THE IMMUNE RADAR: WHAT DUCKS REVEAL ABOUT  
15.00 POULTRY RESPONSES TO INFLUENZA A VIRUSES  
*Dr Lee Campbell – The University of Sydney, Australia*
- 15.00- VACCINATION FOR H5N1 PREPAREDNESS?  
15.40 **Professor Kirsty Short – The University of Queensland, Australia**

- 15.40- **STUDENT AWARDS AND CLOSING OF THE SYMPOSIUM**  
16.00
- Mingan Choct Award for Best Student Oral Presentation presented by – Professor Stephen Walkden-Brown Interim Director Poultry Hub Australia.
  - PRF Award for Best Student Poster presented by Mr Richard Browning (Vice President - Poultry Research Foundation).
  - Final closing remarks and thank you to Sponsors and Media Partners by Professor Eugeni Roura – President, WPSA (Australian Branch)

16.00- **AFTERNOON TEA**  
16.30 **Level 2 Concourse, University of Sydney - Belinda Hutchinson Building**

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