



THE UNIVERSITY OF
SYDNEY

In conjunction with:



2025 AUSTRALIAN POULTRY SCIENCE SYMPOSIUM PROGRAM

February 10th - 12th 2025

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

DAY 1: Monday 10th February 2025

9.00- **REGISTRATION**

12:00 **Level 2 Concourse, University of Sydney - Abercrombie Business School**

9.30- **MORNING TEA**

10:30 **Level 2 Concourse, University of Sydney - Abercrombie Business School**

10:00- **Student/Industry “Meet and Greet”**

12:00 Mentors will be invited from relevant industry sectors and early career researchers that attend APSS 2025 will be encouraged to attend the networking function. Professors Roura, Choct and Crowley 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 - Abercrombie Business School**

13.00- **OFFICIAL OPENING OF THE SYMPOSIUM**

13.15 **Lecture Theatre, Basement Level, University of Sydney - Abercrombie Business School**

The president of the PRF, Lisa Jamieson welcomes the audience and introduces Professor Kathy Belov, Pro Vice-Chancellor (Global and Research Engagement), The University of Sydney to open the symposium.

PROTEIN AND WATER – TWO KEY DRIVERS FOR SUSTAINABLE POULTRY PRODUCTION

Session 1 Chair: Prof. Mingan Choct - University of Sydney, Australia

**13.15-
13.55**

WORLDWIDE WATER SCARCITY – WE ARE ALL IN IT TOGETHER
Prof. Walter Bottje - University of Arkansas, USA

**13.55-
14.05**

WATER INTAKE AND ITS RELATIONSHIP WITH FEED EFFICIENCY OF BROILER
Dr. Nishchal Sharma - University of New England, Australia

**14.05-
14.15**

EFFECT OF PROCESSING METHODS ON THE QUALITY DETERMINANTS OF CANOLA MEALS
Ms Sin Nee Ng - Soon Soon Oilmills Sdn Bhd, Malaysia

**14.15-
14.25**

COMBINATION OF CONSENSUS 6-PHYTASE, CARBOHYDRASE ENZYMES AND BACILLUS BASED PROBIOTICS IMPROVES BROILER PERFORMANCE WHEN LOW ENERGY AND AMINO ACID DIETS ARE FED
Dr Amir Ghane - Danisco Animal Nutrition and Health - IFF, Singapore

**14.25-
15.05**

PROMOTING RESILIENCE: SUSTAINABLE PROTEIN ALTERNATIVES AND LOW-PROTEIN DIETS FOR CHICKEN-MEAT PRODUCTION
Assoc. Prof. Sonia Liu - The University of Sydney, Australia

**15.05-
15.30**

AFTERNOON TEA

Level 2 Concourse, University of Sydney - Abercrombie Business School

BROILER NUTRITION - BUILDING RESILIENCE OF THE YOUNG GUT

Session 2 Chair: Dr David Cadogan - Feedworks, Australia

**15.30-
16.10**

PRIMING YOUNG BIRDS FOR GUT HEALTH AND RESILIENCE
Dr Mike Bedford - AB Vista, UK

**16.10-
16.20#**

GOBLET CELL POPULATIONS INCREASE FROM PROXIMAL TO DISTAL SECTIONS OF THE BROILER CHICKEN SMALL INTESTINE
Miss Francisca Diaz-Aviles - University of Queensland, Australia

**16.20-
16.30#**

XYLO-OLIGOSACCHARIDES: ARE YOU GETTING WHAT YOU PAID FOR?
Mr Andrew Wallace - University of New England, Australia

**16.30-
16.40**

REPLACING DIETARY SUPPLEMENTED L-ARGININE WITH GUANIDINOACETIC ACID AND L-CITRULLINE IMPROVES FEED CONVERSION RATIO OF BROILER CHICKENS
Dr Reza Barekatain - SARDI, Australia

**16.40-
16.50**

CAECUM BACTERIAL COMMUNITIES RESPOND TO DIETARY GRAIN TYPE AND CRUDE PROTEIN LEVELS AND CORRELATE WITH BROILERS' GROWTH
Dr Jiasui Li - The University of Sydney, Australia

**16.50-
17.00#**

USING PROTEOGENIC AMINO ACIDS TO MODULATE PATHOGENIC BACTERIAL GROWTH IN THE INTESTINAL MICROBIOME OF BROILER CHICKENS
Mr. David Chau - The University of Queensland, Australia

17.00- **SPECIAL PRESENTATION BY DIAMOND SPONSOR DSM -**

17.20 INCORPORATING AN ESSENTIAL OIL AND SAPONIN BLEND AS PART OF AN EFFECTIVE COCCIDIOSIS MANAGEMENT PROGRAM

Dr Shelby Ramirez - dsm-firmenich, USA

17.30- **POSTER SESSION inc. DINNER & DRINKS –**

20.00 **The Poster Room (Seminar Room 2130), Level 2, University of Sydney - Abercrombie Business School**

POSTERS:

- 1 IDENTIFICATION OF MEAT QUALITY AND FLAVOR SUBSTANCES IN KOREAN WOORIMATDAG NO. 2 CHICKEN BREAST MEAT DURING COLD STORAGE
Prof. Aera Jang - Kangwon National University, South Korea
- 2 EFFECTS OF A LYSOLECITHIN PRODUCT ON THE PERFORMANCE, EGG PRODUCTION RATE AND EGG QUALITY OF END-OF-LAY HENS UNDER HEAT STRESS
Miss Christy de Wildt - Adisseo, The Netherlands
- 3# FLOOR EGGS IN AUSTRALIAN FLOCKS OF CAGE-FREE BROWN EGG-LAYING HENS
Miss Ruby Putt - The University of Sydney, Australia
- 4 EFFECT OF DIETARY ELECTROLYTE BALANCES ON PERFORMANCE AND EGG QUALITY IN LAYING HENS
Professor In Ho Kim - Dankook University, South Korea
- 5# COMPATIBILITY OF IN OVO APPLICATIONS OF ESSENTIAL OILS AND MAREK'S DISEASE VACCINE: A CHICKEN EMBRYO FIBROBLAST MODEL
Miss Yunjia Yang - The Queensland Alliance for Agriculture And Food Innovation (QAAFI), Australia
- 6 LITTER TILLING CONTRIBUTES TO SHORT-TERM INCREASES OF IN-SHED AMMONIA CONCENTRATION
Dr Mark Dunlop - Department of Primary Industries, Australia
- 7# TRANSGENERATIONAL INFLUENCE OF VARIED DIETARY PROTEIN ON BROILER EMBRYONIC ADAPTATION
Mr Kar Wai Lai - The University of Queensland, Australia
- 8# LOWERING THE CRUDE PROTEIN IN MATERNAL DIETS DECREASED INTESTINAL WEIGHT AND INCREASED DEAD-IN-SHELL OF THE DAY-OLD BROILER CHICK PROGENY
Mr. Bipul Chandra Ray - The University of Queensland, Australia
- 9# DIETARY ARGININE REQUIREMENT IN LOW CP DIETS MAYBE HIGHER THAN PREVIOUSLY ASSESSED IN STANDARD CP CONTENTS IN CHICKENS
Ms Anguara Khatun - The University of Queensland, Australia
- 10 SUSTAINABLE POULTRY PRODUCTION: THE REFERENCE POSTBIOTIC FOR REDUCING THE CLIMATE CHANGE EFFECTS OF POULTRY PRODUCTION
Mr Toby Locke - Phileo Lesaffre, Australia

- 11 **TRIBUTYRIN RELEASE KINETICS AND ITS EFFECTS ON GUT HEALTH AND PERFORMANCE OF COMMERCIAL BROILERS**
Dr Balachandar Jayaraman - Evonik Methionine (SEA) Pte. Ltd, Singapore
- 12 **EFFECT OF DIFFERENT IONOPHORES IN EXPERIMENTALLY INDUCED NECROTIC ENTERITIS IN BROILERS**
Dr. Vasil Stanev - Phibro Animal Health Sa, Belgium
- 13 **EFFECTS OF MULTI-STRAIN AND MONO-STRAIN PROBIOTICS ON INTESTINAL HEALTH, INTESTINAL MORPHOMETRICS, PERFORMANCE, AND PROCESSING CHARACTERISTICS OF BROILERS EXPOSED TO INTESTINAL CHALLENGE**
Dr. Vasil Stanev - Phibro Animal Health Sa, Belgium
- 14 **EVALUATION OF A TRIPLE-STRAIN BACILLUS-BASED PROBIOTIC FOR IMPROVING BROILER WELFARE AND PERFORMANCE UNDER HEAT STRESS CONDITIONS**
Dr Hsiao Li Mok – Novonesis, Malaysia
- 15 ***ENTEROCOCCUS FAECIUM* INSIGHTS INTO HOST-MICROBIOME EFFECTS AND POTENTIAL FOR CLINICAL DISEASE IN BROILERS**
Dr Susanne Kirwan - Kemin Industries, Germany
- 16 **EVALUATION OF BCO LAMENESS INCIDENCE IN *STAPHYLOCOCCUS AUREUS*-CHALLENGED BROILERS EARLY SPRAYED WITH AN *ENTEROCOCCUS FAECIUM*-BASED PROBIOTIC**
Mr Antoine Meuter - Novonesis, France
- 17# **EFFICACY OF BACILLUS SUBTILIS PB6 ON BROILER PERFORMANCE AND GUT HEALTH IN MITIGATING NECROTIC ENTERITIS**
Mrs Most Khairunnesa - University of New England, Australia
- 18# **ESTABLISHING AN *IN VITRO* FERMENTATION MODEL FOR CHICKEN CAECAL INOCULA**
Miss Shuyu Yang - The University of Queensland, Australia
- 19 **POSITIVE IMPACT OF A TRIPLE STRAIN BACILLUS-BASED PROBIOTIC ON INTESTINAL BIOMARKERS AT 7 DAYS OF AGE**
Dr In Sun Yu - Chr. Hansen APAC, Thailand
- 20 **MITIGATING BACTERIAL LAMENESS IN BROIELRS WITH PROBIOTIC BACILLUS LICHENIFORMIS DSM 28710**
Mr. Thomas Wakeford - Huvepharma Australia Pty Ltd, Australia
- 21 **SUPPLEMENTING MAIZE-BASED DIETS WITH WHEAT BRAN INCREASES BROILER FLOCK UNIFORMITY**
Dr Natalie Morgan - Curtin University, Australia
- 22# **PRECISION GLYCAN AS TOOLS FOR CONTROLLED GUT COLONISATION**
Miss Maria de las Malvinas Whitton - Central Queensland University, Australia
- 23# **PRECISION GLYCAN SUPPLEMENTATION ENHANCES GUT MICROBIOTA DIVERSITY IN BROILERS**
Mrs Edina Lobo - Central Queensland University, Australia
- 24# **PREBIOTIC XYLO-OLIGOSACCHARIDES MODULATE EXPRESSION OF GENES ASSOCIATED WITH CELL MOBILISATION IN THE BROILER CHICKEN JEJUNUM**
Miss Carla Castro - The University of Queensland, Australia

- 25 **IN OVO DELIVERY OF ESSENTIAL OILS MODULATES THE EXPRESSION OF NUTRIENT SENSING GENES IN THE JEJUNUM OF BROILER HATCHLINGS**
Dr Thi Thanh Hoai Nguyen - The University of Queensland, Australia
- 26 **NETWORK ANALYSIS AND MOLECULAR DOCKING OF PHYTOBIOTICS AND THEIR SYNERGISTIC MECHANISM ON GROWTH AND IMMUNITY IN POULTRY**
Dr Amiya Ranjan Sahu - ICAR-Central Coastal Agricultural Research Institute, India
- 27 **BILE ACIDS IMPROVE GROWTH PERFORMANCE OF BROILERS FED A LOW LEVEL OF AFLATOXIN B₁ – CONTAMINATED DIET**
Mr Aizhi Cao - Shandong Longchang Animal Health Product CO.,LTD, China
- 28 **A BLEND OF ORGANIC ACIDS ADMINISTERED IN WATER IMPROVES THE GROWTH PERFORMANCE AND ECONOMICS OF BROILERS**
Dr Lane Pineda - Trouw Nutrition (Thailand) Limited, Thailand
- 29 **EVALUATION OF SUPPLEMENTED ZINC-COMPLEXED MINERAL ON PERFORMANCE OF BROILERS FED DIETS WITH HIGH DOSE OF PHYTASE**
Dr. Leonardo Linares - Zinpro Corporation, USA
- 30 **COPPER NANOPARTICLES: ENHANCING BROILER GROWTH AND IMMUNITY WHILE ENSURING LOW TOXICITY IN A DOSE-DEPENDENT MANNER**
Dr Maksuda Begum - Sher e Bangla Agricultural University, Bangladesh
- 31 **COMPARISON OF THE IMPACT OF FIVE SORGHUM HYBRIDS ON GROWTH PERFORMANCE AND NUTRIENT UTILISATION IN BROILER CHICKENS**
Dr Shemil Macelline - The University of Sydney, Australia
- 32 **STERCULIA QUADRIFIDA STEM EXTRACT AS A DRINKING WATER SUPPLEMENT ON GROWTH AND BLOOD BIOCHEMICAL PARAMETRES OF BROILER CHICKENS**
Mrs Ni Gusti Ayu Mulyantini S. Sekarsari - University of Nusa Cendana, Indonesia
- 33# **THE APPARENT METABOLIZABLE ENERGY AND NITROGEN-CORRECTED APPARENT METABOLIZABLE ENERGY OF BLACK SOLDIER FLY LARVAE IN BROILER CHICKEN NUTRITION**
Mr Mohammad Alafif - The University of Queensland, Australia
- 34 **BLACK SOLDIER FLY LARVAE RAISED ON FOOD WASTE HAVE HIGHER DIGESTIBILITY THAN SOYBEAN MEAL IN A CHICKEN *IN VITRO* MODEL**
Dr Thi Thanh Hoai Nguyen - The University of Queensland, Australia
- 35 **UPGRADE OF WHEAT BY-PRODUCTS PROXIMATE AND TAA PROFILE FOR POULTRY**
Dr Bing Guo - Adisseo Asia Pacific Pte Ltd, Singapore
- 36 **NOVEL PROTEIN-RICH INGREDIENTS TO PARTIALLY REPLACE SOYBEAN MEAL AND IMPROVE SUSTAINABILITY OF BROILER CHICKEN PRODUCTION**
Dr Elham Assadi Soumeh - The University of Queensland, Australia
- 37 **A NOVEL PHYTASE IMPROVED THE GROWTH PERFORMANCE, TIBIA MINERALIZATION AND PHOSPHORUS UTILIZATION OF MEAT DUCK**
Mr Friedrich Petranyi - DSM Nutritional Products Australia Pty Ltd, Australia

- 38 UNLOCKING THE FULL MATRIX POTENTIAL OF A NOVEL CONSENSUS BACTERIAL 6-PHYTASE VARIANT IN ENHANCING THE GROWTH PERFORMANCE, CARCASS YIELD, AND TIBIA ASH OF TURKEYS
Dr Arun Kumar - The University of Queensland, Australia
- 39 SUPPLEMENTAL EFFECT OF DIETARY PHYTASE AND EMULSIFIER ON GROWTH PERFORMANCE, NUTRIENT DIGESTIBILITY, ORGAN WEIGHT, AND FECAL SCORES IN BROILERS
Professor In Ho Kim - Dankook University, South Korea
- 40 HIGH DOSE OF PROTEASE AND A PROTECTED BLEND OF ORGANIC ACIDS AND ESSENTIAL OILS SUPPORTS THE GROWTH PERFORMANCE OF BROILER CHICKENS DURING HEAT STRESS
Mr Derek Detzler - Jefo, Australia
- 41 EFFICACY OF A NEW BIOSYNTHETIC BACTERIAL 6-PHYTASE ON GROWTH PERFORMANCE, CARCASS CHARACTERISTICS AND BONE TRAITS IN BROILERS FED INORGANIC PHOSPHATE-FREE DIETS
Miss Chuleeya Prombut - Adisseo Trading, Thailand
- 42# GROWTH PERFORMANCE AND ENERGY UTILISATION OF BROILERS FED A HIGH LEVEL PALM KERNEL MEAL SUPPLEMENTED WITH BACILLUS-BASED PROBIOTICS AND NSPASE
Ms Nurul Imawati - Chulalongkorn University, Indonesia
- 43 FACTORS AFFECTING UPLIFT IN INDIVIDUAL ILEAL AMINO ACID DIGESTIBILITY FOLLOWING EXOGENOUS PROTEASE SUPPLEMENTATION: A META-ANALYSIS
Mr Stuart Court - Kemin, Australia
- 44 IMPACT OF LYSOLECITHIN, MONOGLYCERIDE AND EMULSIFIER COMBINATIONS ON EMULSION STABILITY AND RATE OF LIPID HYDROLYSIS
Mr Stuart Court - Kemin, Australia
- 45 EFFECT OF A LYSOLECITHIN PRODUCT ON BROILER PERFORMANCE AND NUTRIENT DIGESTIBILITY
Dr Bing Guo - Adisseo Asia Pacific Pte Ltd, Singapore

DAY 2: Tuesday 11th February 2025

7:00- **REGISTRATION FOR LATE OR TUESDAY ONLY REGISTRANTS**
8:25 **Level 2 Concourse, University of Sydney - Abercrombie Business School**

7:00- **ADISSEO BREAKFAST SEMINAR**

8:15 By invitation only.



8.25- **DAY 2 OPENING ADDRESS**

8.30 **Lecture Theatre, Basement Level, University of Sydney - Abercrombie Business School**

BROILER NUTRITION - FEED ADDITIVES AND GUT HEALTH

Session 3 Chair: Dr Reza Barekatain - SARDI, Australia

8:30- 9:10 IMPACT OF PAST, PRESENT, AND FUTURE FEED ADDITIVES ON THE CHICKEN GUT ECOSYSTEM: THEIR ROLE IN PRODUCTIVITY AND SUSTAINABILITY

Dr Michael Kogut - USDA-ARS, USA

9:10- BENEFICIAL IMPACT OF A COMMERCIAL TRIPLE-STRAIN *BACILLUS*-
9:20 BASED PROBIOTIC ON CECAL COLONIZATION OF *SALMONELLA*
ENTERITIDIS IN CHALLENGED LAYER PULLETS

Mr Antoine Meuter - Novonesis, France

9:20- A DOSE-RESPONSE STUDY WITH ARGININE IN OVO FEEDING SHOWS
9:30# SIGNS OF TOXICITY BEYOND 60 MG/EGG IN BROILER CHICKENS

Ms. Nadeera Disanayaka - The University of Queensland, Australia

9:30- EFFECTS OF DIETARY SUPPLEMENTATION OF LAURIC AND BUTYRIC
9:40 ACID GLYCERIDES ON THE PERFORMANCE AND INTESTINAL HEALTH OF
BROILERS IN A SUBCLINICAL NECROTIC ENTERITIS CHALLENGE MODEL

Dr Bing Guo - Adisseo, Singapore

9.40- BUTYRIC AND VALERIC GLYCERIDES BLEND PREVENTS ADVERSE
9.50# IMPACTS OF *EIMERIA* CHALLENGE ON PERFORMANCE AND REDUCES
OOCYST LOADS IN BROILER CHICKENS

Mr Sm Mostafizur Rahaman Sumon - University of New England, Australia

9.50- INFLUENCE OF *BACILLUS SUBTILIS* PROBIOTIC ON GUT INTEGRITY AND
10.00# GENE EXPRESSION IN BROILERS

Mr Darwin Horyanto - CQU/Bioprotein, Australia

10.00- EVALUATING DIFFERENT APPLICATION STRATEGIES OF A SAPONIN-
10.10 ALUMINOSILICATE BLEND IN BROILERS CHALLENGED WITH *EIMERIA*

Dr. Madri Brink - Orffa Additives BV, Belgium

10.10- EFFECTS OF QUILLAJA AND YUCCA COMBINATION PRODUCT AT
10.20 DIFFERENT INCLUSION LEVELS AND DURATION OF USE IN BROILERS
SUBJECTED TO INTESTINAL CHALLENGE MODEL

Dr. Vasil Stanev - Phibro Animal Health SA, Belgium

10.30- **MORNING TEA**

11.00 **Level 2 Concourse, University of Sydney - Abercrombie Business School**

BROILER AND BREEDER NUTRITION

Session 4 Chair: Prof. Eugeni Roura - University of Queensland, Australia

11.00- RECENT ADVANCES IN BROILER BREEDER NUTRITION

11.40 Dr Peter Chrystal - Aviagen Inc., New Zealand

11.40- REDUCING DIETARY PROTEIN FROM 16 TO 12% DOES NOT HAVE A
11.50# NEGATIVE IMPACT ON BROILER BREEDER PERFORMANCE

Mr. Bipul Chandra Ray - The University of Queensland, Australia

11.50- TOWARDS AN *IN VITRO* DIGESTION MODEL BASED ON *EX VIVO* ANALYSIS
12.00 OF CHICKEN DIGESTA

Miss Xueping Jing - The University of Queensland, Australia

12.00- FEEDING METHIONINE HYDROXYL ANALOGUE CHELATED ZINC, COPPER
12.10 AND MANGANESE TO BROILER CHICKENS REDUCES MINERAL EXCRETION

Dr Amy Moss - University of New England, Australia

12.10- COMPARING TRADITIONAL FORMS OF SUPPLEMENTAL COPPER TO A
12.20 MONOVALENT COPPER ON BACTERIA CONTROL

Dr. David Cadogan - Feedworks, Australia

12.20- PROTEIN TURNOVER IN BROILER CHICKENS

12.30 *Dr Shemil Macelline - University of Sydney, Australia*

12.30- SPECIAL ANNOUNCEMENT

12.40 *Prof. Mingan Choct – Director, Poultry Research Foundation*

12.40- LUNCH

14.00 **Level 2 Concourse, University of Sydney - Abercrombie Business School**

13.00- WPSA AGM

14.00 Seminar Room 2050, University of Sydney - Abercrombie Business School

OPTIMISING EGG PRODUCTION

Session 5 Chair: Mini Singh - Australian Eggs

14.00- OPTIMIZING NUTRITION AND MANAGEMENT TO ENHANCE PRODUCTIVITY 14.40 IN MODERN LAYING HENS: FROM REARING TO PEAK PRODUCTION

Mr Vitor Arantes - Hy-line International, USA

14.40- A COMPARISON OF HEN PERFORMANCE DURING AN EXTENDED LAYING
14.50 CYCLE BASED ON HEN BODY WEIGHT

Dr Wendy Muir - The University of Sydney, Australia

14.50- PERFORMANCE, EGGSHELL QUALITY AND BONE DENSITOMETRY OF
15.00 WHITE LAYING HENS SUPPLEMENTED WITH AMINO ACID-COMPLEXED
MINERALS FROM 78 TO 98 WEEKS OF AGE

Dr. Leonardo Linares - Zinpro Corporation, USA

15.00- NUTRITION AND FEEDING STRATEGIES IN EXTENDED EGG PRODUCTION 15.40 IN DIFFERENT PRODUCTION SYSTEMS

Assoc. Prof. Sanna Steenfeldt - Aarhus University, Denmark

15.40- AFTERNOON TEA

16.10 **Level 2 Concourse, University of Sydney - Abercrombie Business School**

ALTERNATIVE FEED INGREDIENTS

Session 6 Chair: Nick Rodgers - Inghams Enterprises P/L, Australia

- 16.10- ALTERNATIVE INGREDIENTS TO REPLACE SOYBEAN MEAL IN
16.20 COMMERCIAL BROILER CHICKEN PRODUCTION
Dr Elham Assadi Soumeh - The University of Queensland, Australia
- 16.20- NUTRITIONAL VALUE OF GRAIN LEGUMES COMPARED TO SOYBEAN
16.30# MEAL: STANDARDISED ILEAL DIGESTIBILITY
Mr. Obright Hamungalu - Massey University, New Zealand
- 16.30- USE OF FIELD PEAS AND NON-BOUND AMINO ACIDS IN BROILER DIETS
16.40# REPLACING SOYBEAN MEAL
Mr Milan Kandel - The University of Sydney, Australia
- 16.40- HIGH INCLUSION OF WHEAT DISTILLER'S DRIED GRAINS WITH
16.50 SOLUBLES IN BROILER CHICKEN DIETS
Dr Eunjo Kim - The University of Sydney, Australia
- 16.50- EVALUATION OF APPARENT ILEAL AMINO ACID DIGESTIBILITY OF
17.00 GUAR KORMA MEAL IN MALE AND FEMALE BROILERS
Mr Muhammad Asad Iqbal - University Rawalpindi, Pakistan

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



**Doltone House Darling Island, North Wharf
48 Pirrama Rd, Pyrmont NSW 2009**

Dress Code: Smart Casual

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

Returning buses will be departing Darling Island @ 10:30 stopping at all hotels the 11.00pm pick up with have notices on the buses as to which hotel they will be transporting to. For those making there own way – the function commences at 7pm



DAY 3: Wednesday 12th February 2025

8.00- **REGISTRATION FOR LATE OR WEDNESDAY ONLY DELEGATES**
8.55 **Level 2 Concourse, University of Sydney - Abercrombie Business School**

8.55- **DAY 3 OPENING ADDRESS**
9.00 **Lecture Theatre, Basement Level, University of Sydney - Abercrombie Business School**

DIETARY ENERGY RE-VISITED

Session 7 Chair: Prof. Shubiao Wu - University of New England, Australia

9.00- THOUGHTS ON DIET ENERGY - DEFINITIONS, REQUIREMENTS AND
9.40 ALTERNATIVES (RECORDED PRESENTATION)
Emer. Prof. Steve Leeson - University of Guelph, Canada

9.40- COMPARATIVE EFFECTS OF LIQUID AND DRY LYSOLECITHIN MIXTURES
9.50 ON GROWTH PERFORMANCE, PROFITABILITY AND ENVIRONMENTAL
IMPACT IN BROILERS
Mr Stuart Court - Kemin, Australia

9.50- EFFECTS OF GRAIN AND FAT SOURCES ON MEAT CHICKEN GROWTH
PERFORMANCE OFFERED DIETS WITH REDUCED METABOLIZABLE
10.00# ENERGY IN STARTER AND GROWER
Mrs. Mengzhu Wang - The University of Sydney, Australia

10.00- INTERACTIVE EFFECTS OF DIETARY NUTRIENT DENSITY AND BREED ON
10.10# GROWTH PERFORMANCE OF STRAIGHT-RUN BROILERS
Ms Carria Xie - The University of Sydney, Australia

10.10- EFFECT OF GLUCOSE OXIDASE ON PERFORMANCE OF BROILERS
10.20 FEEDING NORMAL AND LOW ENERGY DIETS
Dr Kosar Gharib Naseri - University of New England, Australia

10.20- ENHANCING PRODUCTIVITY THROUGH NET ENERGY APPLICATION IN
11.00 BROILERS
Dr. Pairat Srichana - Charoen Pokphand Group Co., Ltd., Thailand

11.00- **MORNING TEA**
11.30 **Level 2 Concourse, University of Sydney - Abercrombie Business School**

POULTRY DISEASES OF SIGNIFICANT CONCERNS

Session 8 Chair: Dr. Wendy Muir - University of Sydney, Australia

11.30- PREVALENCE AND PREVENTION OF ENTEROCOCCUS AROUND THE
12.10 WORLD
Prof. Martha Pulido Landinez - Mississippi State University, USA

12.10- COMMENSALLY DELIVERED RECOMBINANT IMMUNITY AGAINST
12.20 ZONOTIC BACTERIA IN CHICKENS
Dr Meg Manohar - CSIRO, Australia

12.20- EVALUATION OF INFLUENZA A VIRUS RESTRICTION BY DUCK TRIM
12.30 PROTEINS
Dr Lee Campbell - The University of Sydney, Australia

12.30- DUST CHALLENGE MODEL TO TEST THE SUCCESS OF LIVE *SALMONELLA*
12.40 VACCINE

Dr Samiullah Khan - The University of Adelaide, Australia

12.40- VARIANT STRAINS OF IBV ARE STILL EMERGING IN VACCINATED LAYER
12.50 FLOCKS

Dr Jose A. Quinteros - The University of Sydney, Australia

12.50- MICROBIOME-HOST INTERACTION IN AVIAN PASTEURELLOSIS

13.00 *Dr Yadav Bajagai - Central Queensland University, Australia*

13.00- PATH MODELS FOR SPOTTY LIVER DISEASE

13.10 *Dr Peter Groves - Poultry Research Foundation, Australia*

13.10- REINFECTION OF CHICKENS WITH *CAMPYLOBACTER HEPATICUS*, THE
13.20 CAUSE OF SPOTTY LIVER DISEASE

Assoc. Prof. Thi Thu Hao Van - RMIT University, Australia

13.20- **LUNCH**

14.20 **Level 2 Concourse, University of Sydney - Abercrombie Business School**

WELFARE, ENVIRONMENT & AVIAN INFLUENZA

Session 9 Chair: Prof. Wayne Bryden - University of Queensland, Australia

14.20- EFFECT OF YEAST CELL WALL SUPPLEMENT ON THE PERFORMANCE OF
14.30 BROILER CHICKENS UNDER CHRONIC HEAT STRESS

Dr Alison Leary - Lallemand, Australia

14.30- COMPARISON OF LITTER, SUBJECTIVE MOISTURE AND FRIABILITY
14.40 SCORES TO MEASURED LITTER MOISTURE CONTENT

Dr Mark Dunlop - Department of Primary Industries, Australia

14.40- MECHANICAL HARVESTING OF BROILERS DOES NOT INCREASE PRE-
14.50 SLAUGHTER MORTALITY OF MEAT CHICKENS COMPARED TO MANUAL
CATCHING

Miss Jarrah Ransome - University of New England, Australia

14.50- FEATHER-DIRECTED BEHAVIOURS ARE CONTEXT-SPECIFIC AND LIKELY
15.00 HAVE VARYING IMPACTS ON MEAT CHICKEN BREEDER WELFARE

Dr Peta Taylor - The University of Melbourne, Australia

15.00- AVIAN INFLUENZA IN AUSTRALIA – PAST, PRESENT AND FUTURE

15.40 **Dr Frank Wong - CSIRO, Centre for Disease Preparedness, Australia**

STUDENT AWARDS AND CLOSING OF THE SYMPOSIUM

- 15.40-
16.00
- Mingan Choct Award for Best Oral Presentation presented by Prof. Tamsyn Crowley - 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 - Abercrombie Business School**

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