



## 8<sup>th</sup> Conference on Poultry Intestinal Health Manila, The Philippines



Wednesday 17 <sup>th</sup> April, 2024				
REGISTRATION			8:00	8:45
TOPICS	SPEAKER	TIME		
Welcome and Introduction	Filip Van Immerseel (Ghent University, Belgium) Maarten De Gussem (Vetworks, Belgium)	15'	9:00	9:15
Insights in emerging and re-emerging bacterial pathogens in poultry, with focus on Salmonella, and bacterial chondronecrosis and osteomyelitis, caused by Enterococcus cecorum	Filip Van Immerseel (Ghent University, Belgium)	45'	9:15	10:00
COFFEE BREAK		45'	10:00	10:45
Session I: INTESTINAL MICROBIOME IN POULTRY				
CHAIRMAN: Filip Van Immerseel				
Chicken microbial composition and functionalities, in relation to gut health	Dana Stanley (University of Queensland, Australië)	45'	10:45	11:30
Microbiota and transcriptomics related factors driving body weight divergence in broiler chickens hatched on farm or in a hatchery	Nadia Everaert (KU Leuven, Belgium)	15'	11:30	11:45
Effects of multi-strain and mono-strain probiotics on intestinal health, intestinal morphometrics, performance, and processing characteristics of broilers exposed to intestinal challenge: importance of inclusion level and strain synergies.	Vasil Stanev (Phibro Animal Health Corporation)	15'	11:45	12:00
Gut microbiota and gene expression in male and female broilers	Natasja Smeets (Kemin)	15'	12:00	12:15
LUNCH		75'	12:15	13:30
Session II: PATHOGENESIS AND CONTROL OF INFECTIOUS DISEASES				
CHAIRMAN: Gunther Antonissen				
Virulence factors of Clostridium perfringens that induce necrotic enteritis: more than toxins	Rob Moore (RMIT University, Australia)	45'	13:30	14:15
Efficacy study of an inactivated Salmonella Enteritidis vaccine against a Salmonella Gallinarum challenge in commercial layers	Santiago De Castro Verges (Hipra Animal Health)	15'	14:15	14:30
Butyric glycerides protect chicken enterocytes from pathogen colonization with two different modes of action	Amine Mellouk (Adisseo)	15'	14:30	14:45
Clostridium perfringens chitinases, key enzymes during early stages of necrotic enteritis in broiler chickens	Evelien Dierick (Ghent University, Belgium)	15'	14:45	15:00
Influencing intestinal microbiota of chickens with the offer of fermented cereals to increase resilience against Enterococcus cecorum	Julia Hankel (University of Veterinary Medicine, Hannover, Germany)	15'	15:00	15:15
COFFEE BREAK		45'	15:15	16:00
Session III: IN VITRO AND IN VIVO MODELS TO STUDY GUT HEALTH				
CHAIRMAN: Maarten De Gussem				
Experimental models to study gut health in poultry with a focus on nutrition	Reza Barekatin (University of Adelaide, Australia)	45'	16:00	16:45
Experimental necrotic enteritis model in turkeys using different Clostridium perfringens strains	Monita Vereecken (Huvepharma)	15'	16:45	17:00
Investigation of the effect of antimicrobial and prebiotic substances on broiler intestinal fermentation: A novel ex vivo simulation approach	Teemu Rinttilä (Alimetrics, Finland)	15'	17:00	17:15
Antimicrobial Properties and Gut Colonisation of Bacillus Probiotics in Broilers in a Leaky Gut Model	Darwin Horyanto (Bioproton)	15'	17:15	17:30



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Thursday 18th April, 2024				
TOPICS	SPEAKER	TIME		
Keynote speaker: Phage therapy to combat antibiotic-resistant bacterial pathogens	Jeremy Barr (Monash University, Australia)	45'	8:30	9:15
Speed dates		60'	9:15	10:15
COFFEE BREAK		45'	10:15	11:00
Session IV: GUT HEALTH MARKERS & DIAGNOSTICS				
CHAIRMAN: Rob Moore				
Smart Poultry Management: An Outlook to the Future	Sharif Shayan (University of Guelph, Canada)	45'	11:00	11:45
PathKinex , a DNA-based microbial surveillance platform can provide insights on bacterial interactions leading to coinfections in broiler chickens	Hector Leyva-Jimenez (United Animal Health)	15'	11:45	12:00
Gut health markers in the ceca of broiler chickens as a means to explain the response to Eimeria challenge	Virginie Blanvillain (ABVista)	15'	12:00	12:15
Proteomic Insights into the Gut Health of Broilers: Blood-based Biomarkers to Bridge Inflammatory Models	Svitlana Tretiak (Ghent University, Belgium)	15'	12:15	12:30
LUNCH		75'	12:30	13:45
POSTER SESSION		60'	13:45	14:45
Session V: INNOVATIVE MANAGEMENT SOLUTIONS				
CHAIRMAN: Sharif Shayan				
Precision Feeding What is it, and what are the advantages?	Martin Zuidhof (University of Alberta, Canada)	45'	14:45	15:30
Evaluation of the protective capacity of an innovative anti-mycotoxins agent against the detrimental effects of aflatoxin b1 and fumonisins in broiler chickens	Insaf Riahi (BIONTE Nutrition S.L. Reus)	15'	15:30	15:45
Evaluation of the E. acervulina and E. maxima scoring system in anticoccidial sensitivity testing	Brecht Maertens (Poulpharm, Belgium)	15'	15:45	16:00
Using blood pH and CO2 in broilers under high altitude, humidity and temperature to optimise performance	Africa Fernandez Gutierrez (Vetworks, Belgium)	15'	16:00	16:15
Effect of Multienzymes on Hen Production, Egg Quality, Gut Morphology, and Relative Digestive Organ Weights in 96-Week Late-Phase Hens	Royd Joseph Racasa Mosaso (University of the Philippines Los Banos, The Philippines)	15'	16:15	16:30
Dietary Zn amino acid complex and vitamin E levels effects in young broilers and during heat stress challenge in the finisher phase	Leonardo Linares (Zinpro)	15'	16:30	16:45



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Friday 19th April, 2024				
TOPICS	SPEAKER		TIME	
Session VI: CONTROL SOLUTIONS TO GUT HEALTH				
CHAIRMAN: Dana Stanley				
Maturation and function of the avian mucosal immune system	Bernd Kaspers (University of Munich, Germany)	45'	8:30	9:15
Growth performance and intestinal health improvements in broiler chickens receiving a bacterial xylanase and undergoing an intestinal challenge	Christelle Boudry (Belfeed)	15'	9:15	9:30
Improvement of gut health and performance in poultry with a solution of fatty acid esters	Clarisse Techer (Mixscience)	15'	9:30	9:45
Decoding Betaine: Exploring Intestinal Barrier Interaction in Broiler Chicken	Ana Gavráu (Agrana)	15'	9:45	10:00
COFFEE BREAK		45'	10:00	10:45
Session VI: CONTROL SOLUTIONS TO GUT HEALTH				
CHAIRMAN: Bernd Kaspers				
Genetically modified chickens as a tool to dissect the avian immune response	Benjamin Schusser (Technical University of Munich, Germany)	45'	10:45	11:30
Supplementation of a sulfated polysaccharides extracted from marine algae positively influences performance and gut integrity of broilers during a necrotic enteritis challenge	Maria Garcia Suarez (Olmix)	15'	11:30	11:45
Essential oil and probiotic combination: A gut health powerhouse tackling subclinical dysbiosis	Fajrin Sidiq (IFF Danisco Animal Nutrition and Health)	15'	11:45	12:00
Reversing antibiotic sensitivity. Development of a challenge model against $\beta$ -lactamase-producing Escherichia coli	Eva Vidal Hernández (Trouw Nutrition)	15'	12:00	12:15
CONCLUSION, INNOVATION AWARD & CLOSING			12:15	