



7th Conference on Poultry Intestinal Health
Cartagena de Indias, Colombia
30 March - 1 April 2022



Wednesday 30 th March, 2022				
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
Animal welfare issues related to intestinal health, an essential component in modern chicken production	Andrew Butterworth (University of Bristol, UK)	45'	9:15	10:00
COFFEE BREAK		45'	10:00	10:45
Session I: INTESTINAL MICROBIOTA				
CHAIRMAN: Filip Van Immerseel (Ghent University)				
Intestinal dysbiosis and what it means to the host	Andreas Bäümler (University of California Davis, United States)	45'	10:45	11:30
Berberrubine, a berberine-derived metabolite, is produced by the gut microbiota and improves broiler gut health	Tessa Dehau (Ghent University, Belgium)	15'	11:30	11:45
Limited microbiota overlap between heavy breeders and their specific progeny	Erez Mills (Hebrew University of Jerusalem, Israel)	15'	11:45	12:00
Intestinal microbiota and gene expression of tight junction proteins in broiler chickens fed different methionine sources	Martina Klünemann (Evonik, Germany)	15'	12:00	12:15
β -mannanase feed supplementation improves broilers performance and gut microbiome in guar gum-diet fed broilers	Marielen de Souza (Universidade Estadual de Londrina, Brazil)	15'	12:15	12:30
LUNCH		75'	12:30	13:45
Session II: VACCINES AND INTESTINAL IMMUNITY				
CHAIRMAN: Doug Korver (University of Alberta, Canada)				
Approaches to stimulate mucosal immunity in the intestinal tract of chickens	Michael Kogut (United States Department of Agriculture, United States)	45'	13:45	14:30
Early Life Feeding of Spray-Dried Plasma Improved Intestinal Development, Immunity and Performance of Broilers Irrespective of Added Mycotoxins in Feed	Gabriela Gomez Verduzco (Universidad Nacional Autónoma de México)	15'	14:30	14:45
Fructans affects mRNA expression of pro-inflammatory, antiviral, and antibacterial innate immunity genes on chicken macrophages	Santiago Uribe-Diaz (University of Prince Edward Island, Canada)	15'	14:45	15:00
Effect of yeast cell wall on modulation of immune response in aflatoxin-challenged broilers	Melina Bonato (ICC, Brazil)	15'	15:00	15:15
$\gamma\delta$ T cells in the physiopathology of the infection by E. tenella: influence of the microbiota	Guillaume Sadrin (INRAE, France)	15'	15:15	15:30
COFFEE BREAK		45'	15:30	16:15
Session III: HOST-PATHOGEN INTERACTIONS AND PATHOGENESIS OF DISEASE				
CHAIRMAN: Antonio J. Piantino Ferreira (University of São Paulo, Brazil)				
C. perfringens virulence factors along the road to necrotic enteritis in chickens	Evy Goossens (Ghent University, Belgium)	45'	16:15	17:00
Characteristics of Clostridium perfringens strains isolated from diseased slow growing broilers, layers and breeders	Monita Vereecken (Huvepharma, Belgium)	15'	17:00	17:15
Can broiler resilience against necrotic enteritis be affected by perinatal conditions?	Jan Wijnen (Wageningen University and HatchTech, The Netherlands)	15'	17:15	17:30
BCO-related Enterococcus cecorum isolates are genetically distinct from the commensal population and are more virulent in an embryo mortality model	Yue Huang (Ghent University, Belgium)	15'	17:30	17:45
Systemic load of Enterococcus cecorum after oral infection of day-old broilers	Joren De Smet (Poulpharm, Belgium)	15'	17:45	18:00
CONFERENCE COCKTAIL DRINK			18:30	

Thursday 31st March, 2022

TOPICS	SPEAKER	TIME
The intestinal virome and how viruses affect intestinal health	Antonio J. Piantino Ferreira (University of São Paulo, Brazil)	45' 8:30 9:15
Speed dates: a variety of 3-minute short communication teasers - Round I	Various authors	60' 9:15 10:15
COFFEE BREAK		45' 10:15 11:00
Session IV: IN VITRO AND IN VIVO MODELS TO STUDY GUT HEALTH		
CHAIRMAN: Michael Kogut (United States Department of Agriculture, United States)		
Extrapolating data from in vitro to in vivo, and the transition of animal trial data to field observations	Doug Korver (University of Alberta, Canada)	45' 11:00 11:45
The use of a variety of challenges to induce gut dysbiosis in broiler chicken	Alberto Navarro-Villa (Trouw Nutrition, Spain)	15' 11:45 12:00
The effect of prebiotic carbohydrates on the cecal microbial composition and metabolites in an in-vitro model for broilers with impaired gut health	Miriam Oost (Maastricht University, The Netherlands)	15' 12:00 12:15
Evaluation of three formulations of essential oils in broiler chickens under cyclic heat stress	Guillermo Tellez-Isaias (University of Arkansas)	15' 12:15 12:30
Growth promotion and alleviation of chronic intestinal inflammation and oxidative stress by an in-feed technology in broilers under a dietary challenge in real farming conditions	Alireza Khadem (Innovad, Belgium)	15' 12:30 12:45
LUNCH		75' 12:45 14:00
Speed dates: a variety of 3-minute short communication teasers - Round II	Various authors	60' 14:00 15:00
Session V: PARASITIC AND VIRAL DISEASES OF POULTRY		
CHAIRMAN: Chairman: Maarten De Gussem (Vetworks, Belgium)		
Coccidiosis Control Programs: their integration with vaccination for the control of the disease in chickens	H. David Chapman (University of Arkansas, USA)	45' 15:00 15:45
COFFEE BREAK		45' 15:45 16:30
Treatment incidence for coccidiosis in broilers on different anticoccidial control programs in field conditions	Ben Dehaeck (Huvepharma, Belgium)	15' 16:30 16:45
Regional anticoccidial sensitivity test with 27 European Eimeria field isolates from farms using anticoccidial medication or coccidiosis vaccination to narasin + nicarbazin	Fernando Vargas (MSD Animal Health, USA)	15' 16:45 17:00
Novel molecular tools for coccidiosis research, practical applications	Tessa Gryp (Poulpharm, Belgium)	15' 17:00 17:15
Speed Date: a variety of 3-minute short communication teasers - Round III	Various authors	45' 17:15 18:00
CONFERENCE GALA DINNER		20:00 23:00

Friday 1st April, 2022

TOPICS	SPEAKER	TIME
Session VI: DIETARY ADDITIVES TO CONTROL GUT HEALTH		
CHAIRMAN: Richard Ducatelle (Ghent University, Belgium)		
Reducing antimicrobial usage in broilers and effects on consumer perception, animal health and welfare, and economics	Randall Singer (University of Minnesota, United States)	45' 8:30 9:15
Effect of dietary soy galactooligosaccharides on gastrointestinal health and performance of growing chickens	Guillermo Tellez-Isaias (University of Arkansas)	12' 9:15 9:27
Hydroxy-selenomethionine improves selenium status and can support gut functions in broilers exposed to high temperature	Wanderley Moreno Quinteiro Filho (Adisseo, Brazil)	12' 9:27 9:39
Interaction of hatching systems and starter feeding strategies	Rosa Franco Rosselló (Trouw Nutrition, Spain)	12' 9:39 9:51
A precision biotic that redirects core metabolic pathways of the microbiome leads to improved resilience to enteric dysbiosis and inflammation	Cristiano Bortoluzzi (DSM, Switzerland)	12' 9:51 10:03
Lysozyme as contributor to gut health: mechanisms of action	Maarten De Gussem (Poulpharm, Belgium)	12' 10:03 10:15
COFFEE BREAK		45' 10:15 11:00
Algal polysaccharides to improve gut barrier function	Maria Garcia (Olmix, Spain)	12' 11:00 11:12
The Effect of Direct Fed Microbials and Xylanase combination on performance and gut health of broilers fed with reduced energy sorghum-based diet	Amy Lin Yun-mei (BRI, USA)	12' 11:12 11:24
Effect of pronutrients (botanic molecules) on intestinal integrity and performance in broilers that receive a diet with raw soybean	Alejandra Ruiz (Universidad Nacional de Colombia)	12' 11:24 11:36
Better together, selecting a new multi-strain probiotic for a broader target range	Natasja Smeets (Kemin, Belgium)	12' 11:36 11:48
Investigation of the metabolite profile of Bacillus subtilis DSM 29784 and its activity for broiler chickens	Damien Preveraud (Adisseo, France)	12' 11:48 12:00
Field Evaluation of a Probiotic Growth Promoter its Impact on Intestinal Health and Productive Parameters	Eduardo Castro (Alimentos Concentrados de Caribe, Colombia)	12' 12:00 12:12
Mycotoxin control in antibiotic reduction scenarios. Challenging broilers with AFB1 and OTA, interactions of an AGP and an anti-mycotoxin product.	Guillermo Gaona Ramirez (EW Nutrition, Colombia)	12' 12:12 12:24
Intestinal Health: Recent Updates and New Approaches on Field Necropsy Examination in the US - virtual presentation	Jaime Ruiz (Elanco, Mexico)	12' 12:24 12:36
Understanding the role of dietary calcium and alfacalcidol on gut health	Anne Ballou (Illuma Alliance, USA)	12' 12:36 12:48
CONCLUSION, INNOVATION AWARD & CLOSING		12:48 13:15