



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



Session I: INTESTINAL MICROBIOTA		
TITLE	AUTHOR	ABSTRACT ID
Probiotic and glutamine in ovo-evaluation of exposed broilers to Salmonella heidelberg	Camila de Souza Oro (Cinergis)	16-ICPIH2021
Eubiosis duodenal (microbiome) in broilers fed with the addition of oregano essential oil (Lippia origanoides) in an in vivo intestinal inflammation model with lipopolysaccharide	Jaime Ángel Isaza (Promitec)	28-ICPIH2021
Levels of Avian Pathogenic E. coli in broiler breeders in Brazilian farms	Marcos Kipper (Elanco)	33-ICPIH2021
Prevalence of APEC virulence genes in broiler breeders in Brazilian farms	Marcos Kipper (Elanco)	34-ICPIH2021
Characterization of Avian Pathogenic E. coli in broilers raised in Brazil	Marcos Kipper (Elanco)	35-ICPIH2021
Prevalence of APEC virulence genes in broilers raised Brazilian farms	Marcos Kipper (Elanco)	36-ICPIH2021
A multi-strain probiotic modulates the oviduct tract microbiota of laying hens	Marcos Kipper (Elanco)	38-ICPIH2021
Probiotic Bacillus licheniformis to mitigate clinical necrotic enteritis	Veerle Hautekiet (Huvepharma)	41-ICPIH2021
Probiotic Bacillus licheniformis in layers	Veerle Hautekiet (Huvepharma)	42-ICPIH2021
The use of starter feeding strategies as an alternative to the use of antibiotics	Rosa Franco Rosselló (Trouw Nutrition)	47-ICPIH2021
What does the poultry industry of tomorrow look like	Veerle Hautekiet (Huvepharma)	48-ICPIH2021
Profiling the Cecal Microbiota in Layer Chickens of Different Breeds	Wilfred Michael Lyimu (KU Leuven)	61-ICPIH2021
Affecting only clostridia or modulating the microbiome, towards a clear understanding of probiotic modes of action.	Susanne Kirwan (Kemin)	71-ICPIH2021
Evaluation of a commercial probiotic on Flemish broiler farms	Magdalena Sitter (Poulpharm)	105-ICPIH2021
Early life microbial colonization in broilers evolves in consecutive maturation phases	Evy Goossens (Ghent University)	109-ICPIH2021
Session II: VACCINES AND INTESTINAL IMMUNITY		
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Comparison of Three Live Coccidiosis Vaccine Protective Immunity Against Seven Field Isolates	Andres Montoya (Merck Animal Health)	01-ICPIH2021
Sustainable Transition from Conventional Anticoccidial Program to a Live Coccidiosis Vaccine Program	Andres Montoya (Merck Animal Health)	02-ICPIH2021
Practical applications of bacterial, viral and protozoal biobank	Gerty Vanantwerpen (Poulpharm)	62-ICPIH2021
Effect of an Innocuous Prebiotic Powder as part of a plan for the control of Septicemia caused by Pathogenic Escherichia coli in Laying Hens	Andres Rodriguez-Avila (BioAra)	79-ICPIH2021
Effect of an Innocuous Prebiotic Powder as an Enhancer of the Humoral Immune Response in Broilers	Santiago Uribe-Diaz (University of Prince Edward Island)	86-ICPIH2021
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Chitinases, Key Enzymes during the Necrotic Enteritis Pathogenesis in Broilers	Evelien Dierick (Ghent University)	09-ICPIH2021
Characteristics of Clostridium perfringens strains isolated from turkeys	Monita Vereecken (Huvepharma)	81-ICPIH2021

In vivo differences in virulence of Clostridium perfringens strains in an experimental necrotic enteritis model	Joske Millecam (Poulpharm)	107-ICPIH2021
Endotoxin translocation is increased in broiler chickens fed a Fusarium mycotoxin contaminated diet.	Gunther Antonissen (Ghent University)	127-ICPIH2021

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The effects of increasing rye content in diets fed to 60-week old laying hens on 6-week performance and histomorphology	W. D. Mansilla (Trouw Nutrition)	04-ICPIH2021
Standardized Natural Citrus Extract long term efficacy on poultry performances: The beginning of an explanation	Sekhou CISSE (University of Angers)	23-ICPIH2021
A novel approach to investigation of biomarkers for the gut health of broiler chickens	Svitlana Tretiak (Ghent University)	57-ICPIH2021
Unchain the value of the animal microbiome: Florates Diagnostics	Joost Thijssen (Florates)	93-ICPIH2021
A Clostridium perfringens challenge model to examine the impacts of dietary factors on the progression of subclinical necrotic enteritis	Leslie L. McKnight (Trouw Nutrition)	101-ICPIH2021
From Gut Health Model To Market: how to choose the right path?	Maarten De Gussem (Poulpharm)	103-ICPIH2021
In vitro evaluation of a gut health improving phytogetic formulation: anti-inflammatory and antimicrobial effects	Guillermo Gaona-Ramírez (EW-Nutrition)	113-ICPIH2021
Ready-to-use parameters and methods for gut health assessment in poultry.	Maarten De Gussem (Poulpharm)	118-ICPIH2021
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Efficacy of nicarbazin/monensin in the control of coccidiosis in broilers	Ben Dehaeck (Huvepharma)	20-ICPIH2021
The fight against Histomonas meleagridis, the causative agent of blackhead disease: effect of a combination of essential oils and organic acids	Natasja Smeets (Kemin)	51-ICPIH2021
Efficacy of an attenuated coccidiosis vaccine in combination with different additives on production performance and intestinal lesions in broilers challenged with necrotic enteritis	Joan Molist Badiola (Hipra)	99-ICPIH2021
A novel way for Eimeria inoculum production	Brecht Maertens (Poulpharm)	110-ICPIH2021
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Efficacy of the botanic molecule Cimenol ring to reduce egg contamination in comparison to organic acids and formaldehyde	Alejandra Ruiz (Biovet)	06-ICPIH2021
Assessment of Lippia origanoides essential oils in a Salmonella typhimurium, Eimeria maxima, and Clostridium perfringens challenge model to induce necrotic enteritis in broiler chickens	Guillermo Tellez-Isaias (University of Arkansas)	13-ICPIH2021
Evaluation of a host specific multispecies synbiotic on broiler performance and health status	Basharat Syed (DSM)	14-ICPIH2021
Expression (mRNA) of intestinal enzymes and glucose transporters of broilers fed with the addition of oregano (Lippia origanoides) essential oil in an in vivo immune challenge with lipopolysaccharide	Jaime Ángel Isaza (Promitec)	27-ICPIH2021
Phytobiotics supplementation effects during an Eimeria challenge in broiler chickens; an alternative to relieve anticoccidial drugs	Jaime Ángel Isaza (Promitec)	29-ICPIH2021
Nutritional health strategies to improve laying hen's welfare and behavior	Marcos Kipper (Elanco)	37-ICPIH2021
Multi-strain probiotic as an alternative to increasing layer hen's productivity	Marcos Kipper (Elanco)	39-ICPIH2021
Functional feed particle size in wheat- and maize-based broiler pelleted feeds	Alberto Navarro-Villa (Trouw Nutrition)	46-ICPIH2021
The unchallenged commercial poultry – does it exist?	Susanne Kirwan (Kemin)	49-ICPIH2021
E. coli management: successfully moving from in vitro to in vivo poultry trials	Natasja Smeets (Kemin)	50-ICPIH2021
Effects of Algal Beta-glucan supplementation on intestinal morphological and immunity of broilers grown under high stocking density conditions	Susanne Kirwan (Kemin)	52-ICPIH2021
The synergy of phytogetic feed additives and esterified short and medium-chain fatty acids to improve growth performance in antibiotic-free broilers	Mojca Osredkar Mergole (Delacon Biotechnik)	53-ICPIH2021
Performance and gut integrity are enhanced on broilers with phytogetic feed additives and esterified short- and medium-chain fatty acids combination	Mojca Osredkar Mergole (Delacon Biotechnik)	54-ICPIH2021

Review of dietary butyric acid glycerol ester-induced improvements in broiler performance	Jose Maria Ros Felip (Perstorp Animal Nutrition)	55-ICPIH2021
Lactobacillus spp. decrease microscopical intestinal changes induced by DON and Clostridium perfringens challenge	Marielen de Souza (Universidade Estadual de Londrina)	63-ICPIH2021
Effects of dietary eubiotics mixes based on oregano and clove essential oils on Salmonella Gallinarum control in layer hens.	Diana Alvarez Mira (National University of Colombia)	66-ICPIH2021
Mitigation effects of TOXO®-XL on mycotoxin-induced changes in Laying Hens	Nienke de Groot (Trouw Nutrition)	72-ICPIH2021
Brazilian field study shows reduction of Salmonella prevalence on farms empowering the birds' natural defence mechanisms	Bart D'heer (Trouw Nutrition)	77-ICPIH2021
Replacing AGP improves broiler performance in commercial conditions	Luigi Moreira (Trouw Nutrition)	78-ICPIH2021
Dietary tall oil fatty acids improved egg shell quality and reduced the proportion of dirty eggs in laying hens with or without salt stress challenge	Hannele Kettunen (Hankkija Oy)	80-ICPIH2021
Efficacy of an innovative strategy to alleviate the negative effects of LPS during an intestinal challenge in broiler chickens	Geert Van de Mierop (Nutrex)	82-ICPIH2021
Saving feed cost by reformulating broiler diets based on corn with the use of endo-1,4- $\beta$ -xylanase	Geert Van de Mierop (Nutrex)	83-ICPIH2021
Impact of xylo-oligosaccharides as a prebiotic feed supplement on zootechnical parameters and composition of the caecal content of broilers	Ines Dieryck (KU Leuven)	84-ICPIH2021
Effects of in-feed resin acid concentrate on growth performance and ileal gene expression of broiler chickens	Hannele Kettunen (Hankkija Oy)	87-ICPIH2021
The effect of dietary supplementation with globin and spray dried porcine plasma on performance, digestibility and histomorphological traits in broiler chickens	Carlos Ucero (VEOS Group)	90-ICPIH2021
Effects of a phytogenic additive in mycotoxins management in comparison with a known binder: an approach by increasing the tolerance threshold of feed contaminants	Gaëtan Vetea Plichart (Biodevas Laboratoires)	91-ICPIH2021
Sustainability and poultry production: an inside job	Veerle Hautekiet (Huvepharma)	95-ICPIH2021
Saponins and citroflavonoids (Citronin XO®) reduced by 70% the growth of Histomonas meleagridis in vitro.	Sekhou Cissé, Amine BENARBIA (Nor Feed))	104-ICPIH2021
Adapted minimal inhibitory concentration (MIC) testing protocol as screening tool for organic acids and other related gut health products	Joren De Smet (Poulpharm)	106-ICPIH2021
A precision biotic redirects core metabolic pathways of the microbiome and improves growth performance	Cristiano Bortoluzzi (DSM)	111-ICPIH2021
Evaluate the intestinal health parameters (ISI – I See Inside) and performance in broilers supplemented with Muramidase under Eimeria sp. and Clostridium perfringens challenge.	Leticia Cardoso Bittencourt (DSM Nutritional Products)	114-ICPIH2021
Nutritional Support Solution for coccidiosis vaccine in broiler chickens	Carlos Lozano (DSM)	115-ICPIH2021
Performance and gut integrity of layers fed diets supplemented with or without Muramidase	Felipe Dalolio (DSM)	116-ICPIH2021
Comparative study between a saponin-based solution and synthetic coccidiostats in the management of coccidiosis	Mohammed el Amine BENARBIA (Nor Feed)	120-ICPIH2021
Propolis supplementation effect on the expression of genes associated with intestinal health of broilers	Camila Daza (National University of Colombia)	123-ICPIH2021
Essential oils attenuate coccidiosis impact in Eimeria-vaccinated broilers by altering the parasite pathogenicity	Jonathan Pierron (University Laval)	124-ICPIH2021
Effects of rye and guar gum enriched diets on chicken broilers performances, microbiota composition, diversity, and activity	Jessika Consuegra (Adisseo)	125-ICPIH2021
Isolation and molecular characterization of Avian Reoviruses from poorly performing broiler flocks in Belgium	Isaura Christiaens (Poulpharm)	126-ICPIH2021
Productive and economic performance in broilers when using combinations of eubiotics and an antibiotic growth promotor	Rodriguez Froylan (DSM)	128-ICPIH2021