



**6th IHSIG Symposium
3-5 April 2019, Roma - Italy**



Wednesday 3rd April 2019				
REGISTRATION			7:45	8:45
TOPICS	SPEAKER	TIME		
Welcome and Introduction	Filip Van Immerseel (Ghent University, Belgium) Maarten De Gussem (Vetworks, Belgium)	15'	8:45	9:00
Using meta-technologies in understanding how the microbiota affects intestinal health	Joël Doré (INRA, France)	45'	9:00	9:45
BREAK		45'	9:45	10:30
Session I: GUT HEALTH DIAGNOSTICS				
CHAIRMAN: MARK STEVENS				
Approaches to identify biomarkers for intestinal health, and the first tools that become available for poultry	Filip Van Immerseel (Ghent, Belgium)	45'	10:30	11:15
A novel in vitro continuous fermentation model of broiler caecum to investigate nutritional manipulations	Paul Tetteh Asare (ETH Zurich, Switzerland)	15'	11:15	11:30
Chicken antimicrobial peptides as cell identification markers in the intestine	Edwin Veldhuizen (Utrecht University, The Netherlands)	15'	11:30	11:45
Lesion scoring systems: An epidemiological approach to determine intestinal markers associated with zootechnical performances in broiler chicken flocks	Eric Parent (University of Montréal, Canada)	15'	11:45	12:00
Identification of faecal diagnostic markers for intestinal barrier failure and subclinical necrotic enteritis	Evy Goossens (Ghent University, Belgium)	15'	12:00	12:15
LUNCH		60'	12:15	13:15
Speed dates: a variety of 3-minute short communication teasers		45'	13:15	14:00
Session II: FOODBORNE PATHOGENS				
CHAIRMAN: RICHARD DUCATELLE				
Campylobacter is not a commensal in chickens and compromises gut health and performance.	Lisa Williams (Swansea, UK)	45'	14:00	14:45
Faecal gut microbiota composition of chicks can predict resistance to Salmonella Enteritidis colonization	Philippe Velge (INRA, France)	15'	14:45	15:00
Efficacy of a new carvacrol-based product on Campylobacter jejuni in challenge test in vivo and impact on the whole caecal microbiota	Marion Allaoua (Phodé, France)	15'	15:00	15:15
Development and evaluation of a trivalent inactivated Salmonella vaccine targeting serogroups B, C and D	Stefan De Vries (MSD Animal Health, The Netherlands)	15'	15:15	15:30
Effect of Saccharomyces cerevisiae yeast products in reducing direct colonization and horizontal transmission of Salmonella Heidelberg in broilers	Charles L. Hofacre (Southern Poultry Research Group, USA)	15'	15:30	15:45
BREAK		45'	15:45	16:30
Session III: PATHOGENESIS OF INTESTINAL DISEASE				
CHAIRMAN: STEVE RICKE				
Why do we need to understand pathogenesis of infections?	Mark Stevens (Roslin, UK)	45'	16:30	17:15
Development of a necrotic enteritis challenge model in turkeys	Magne Kaldhusdal (Norwegian Veterinary Institute, Norway)	15'	17:15	17:30
Can an intestinal ligated loop model be used to evaluate NE lesions?	Martine Boulianne (University of Montréal, Canada)	15'	17:30	17:45
Novel subunit vaccine for the control of necrotic enteritis in broilers	Audrey Duff (Ohio State University, US)	15'	17:45	18:00
COCKTAIL DRINK			18:00	20:00



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Thursday 4th April 2019				
TOPICS	SPEAKER	TIME		
Antibiotics, probiotics & anti-virulence drugs: balancing, efficacy, resistance evolution & clinical need	Sam Brown (Georgia Tech, US)	45'	8:30	9:15
Speed dates: a variety of 3-minute short communication teasers		45'	9:15	10:00
BREAK		45'	10:00	10:45
Session IV: PARASITIC DISEASES OF POULTRY				
CHAIRMAN: MAARTEN DE GUSSEM				
Histomonosis and the molecular repertoire of <i>Histomonas meleagridis</i>	Michael Hess (Vienna, Austria)	45'	10:45	11:30
The impact of <i>Eimeria</i> vaccines on chicken intestines and local immunity	Maria Kashcheeva (Moscow State Vet. Academy, Russia)	15'	11:30	11:45
Efficacy of a fenbendazole nanosuspension against natural infections of <i>Ascaridia galli</i> and <i>Heterakis gallinarum</i> in layer chickens	Wouter Depondt (Huepharma, Belgium)	15'	11:45	12:00
Phytogenics in the prophylaxis of broiler coccidiosis	Kirsten De Keyser (AVEVE Biochem, Belgium)	15'	12:00	12:15
LUNCH		60'	12:15	13:15
Poster session		45'	13:15	14:00
Session V: NUTRITION AND IMMUNITY				
CHAIRMAN: FILIP VAN IMMERSEEL				
Steering immune responses using nutritional interventions: should it be pro- or anti-inflammatory?	Adrian Smith (Oxford, UK)	45'	14:00	14:45
Transgenerational effects on immune responsiveness to dietary yeast beta-glucans	Aart Lammers (Wageningen University, The Netherlands)	15'	14:45	15:00
Effect of early life exposure to adult microbiota on the alertness of intraepithelial lymphocytes of broiler chickens	Nathalie Meijerink (Utrecht University, The Netherlands)	15'	15:00	15:15
BREAK		45'	15:15	16:00
Impact of early life interventions on the gut system in broilers	Dirkjan Schokker (Wageningen Livestock Research, The Netherlands)	15'	16:00	16:15
Influence of enteric pioneer colonizers on cell growth and metabolism in day of hatch chicks	Kaylin Chasser (Ohio State University, US)	15'	16:15	16:30
Butyrate affects broiler gut health, depending on its presence in distinct digestive tract segments	Tim Goossens (Nutriad, Belgium)	15'	16:30	16:45
A gene expression panel to evaluate gut health in broilers	Nedra Abdelli (Universitat Autònoma de Barcelona, Spain)	15'	16:45	17:00
CONFERENCE GALA DINNER			20:00	23:00



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Friday 5th April 2019				
TOPICS	SPEAKER		TIME	
Session VI: FEED ADDITIVES TO CONTROL GUT HEALTH				
CHAIRMAN: GUNTHER ANTONISSEN				
What is an ideal feed additive for broilers and how can we assess this?	Steven Ricke (Arkansas, US)	45'	8:30	9:15
New Clostridium perfringens phage stains: can phage maintain gut health as an antibiotic alternative against necrotic enteritis?	Shubiao Wu (University of New England, Australia)	15'	9:15	9:30
Enhanced enterocyte brush border maturation by in-ovo feeding of L- glutamine	Zehava Uni (The Hebrew University of Jerusalem, Israel)	15'	9:30	9:45
Strong contribution of housing conditions to the variation in cecal microbiota composition in broiler chickens	Jannigje Kers (Utrecht University, The Netherlands)	15'	9:45	10:00
Resin acids reduce expression of matrix metalloproteinases in vitro and in the ileal mucosa of broilers	Annasheeb Kolpe (Ghent University, Belgium)	15'	10:00	10:15
BREAK		45'	10:15	11:00
Session VII: THE IMPACT OF NOVEL FEED INGREDIENTS ON GUT HEALTH				
CHAIRMAN: CHRISTINA SWAGGERTY				
Feeding and breeding strategies to enhance the sustainability of European poultry systems.	Ilias Kyriazakis (Newcastle, UK)	45'	11:00	11:45
Interaction between xylanase and a proton pump inhibitor on broiler chicken performance and gut function	Gemma Gonzalez-Ortiz (ABVista, Spain)	15'	11:45	12:00
New scientific insights into the modes of action of the efficacious probiotic strain Bacillus amyloliquefaciens CECT 5940	Stefan Pelzer (Evonik, Germany)	15'	12:00	12:15
Prebiotic effect of Fungal Fermented rye in broiler cecal microbiota	Petra Roubos (Trouw Nutrition, The Netherlands)	15'	12:15	12:30
CLOSING & INNOVATION AWARD			12:30	13:00