

*****Confirmed speakers are highlighted in blue.*****

Monday 16 December 2019

07:30-08:00	REGISTRATION		
MAYFAIR GRAND			
08:00-08:10	Welcome address from Dean, Faculty of Veterinary Science, Chulalongkorn University		
08:10-08:30	Keynote Presentation 1: Elisabeth Erlacher-Vindel, (Head of the Antimicrobial Resistance and Veterinary Products Department, World Organization of Animal Health (OIE); The Global objectives for AMR and alternatives for the animals		
08:30-09:00	Keynote Presentation 2: Dennis Dixon, NIH: Global strategies for developing alternatives to antibiotics for human health		
09:00-09:30	Keynote Presentation 3: Hyun Lillehoj (USDA-ARS, United States): Antibiotics, Germs and Antibiotic Alternatives		
09:30-10:00	COFFEE BREAK A1 / POSTER SESSION		
Session	Advances in the research and development of alternatives to antibiotics		
Topics	1. Vaccines		
Chair/Co-Chair	John Prescott (Canada) and Cyril Gay (United States)		
10:00-10:30	Invited speaker 1: John Prescott (Canada), Professor, University of Guelph, Canada "Immunization of Broiler Chickens Against Necrotic Enteritis: Progress and Possibilities"		
10:30-11:00	Invited speaker 2: Filip Van Immerseel, University of Ghent, Belgium "The future of Salmonella vaccines in a geographically diverse and changing epidemiological environment"		
11:00-11:10	To be selected from abstract submissions		
11:10-11:20	To be selected from abstract submissions		
11:20-11:30	To be selected from abstract submissions		
11:30-11:40	To be selected from abstract submissions		
11:40-11:50	To be selected from abstract submissions		
11:50-12:00	To be selected from abstract submissions		
12:00-12:30	Round discussion 1		
12:30-14:00	LUNCH SYMPOSIUM A1		
Room A: MAYFAIR GRAND		Room B: JUBILEE	
Advances in the research and development of alternatives to antibiotics		Research results from commercially available alternatives to antibiotics	
Session	2) Microbial-driven products	Session	1) Innovative drugs, chemicals and enzymes
Chair/Co-chair	Tun, Hein Min (Hong Kong) and Todd Callaway (United States)	Chair/Co-chair	Hyun Lillehoj (United States) and Pietro Celi (Switzerland)
14:00-14:30	Invited speaker 1: Tun, Hein Min (Hong Kong); "Role of human and animal microbiome in health and diseases to surveillance of antimicrobial resistant bacteria (resistome) in the interface of human, animals and the environment"	14:00-14:30	Invited speaker 1: Pietro Celi, DSM, Switzerland: "Combating AMR by Optimizing Gastrointestinal Functionality: a Holistic Approach"
14:30-15:00	Invited speaker 2: Todd Callaway (United States): "Non-antibiotic strategies to modify the microbial population of dairy cattle: impacts on milk production, animal health and food safety"	14:30-15:00	Invited speaker 2: Chenbo Yang (Canada): Organic Acids as Antibiotic Alternatives in Monogastric Animals
15:00-15:10	To be selected from abstract submissions	15:00-15:10	To be selected from abstract submissions
15:10-15:20	To be selected from abstract submissions	15:10-15:20	To be selected from abstract submissions

15:20-15:30	To be selected from abstract submissions	15:20-15:30	To be selected from abstract submissions
15:30-15:40	To be selected from abstract submissions	15:30-15:40	To be selected from abstract submissions
15:40-15:50	To be selected from abstract submissions	15:40-15:50	To be selected from abstract submissions
15:50-16:00	To be selected from abstract submissions	15:50-16:00	To be selected from abstract submissions
16:00-16:30	Round discussion 2	16:00-16:30	Round discussion
17:00-18:30		RECEPTION	

Tuesday 17 December 2019

Room A: MAYFAIR GRAND		Room B: JUBILEE	
Session	Advances in the research and development of alternatives to antibiotics	Session	Research results from commercially available alternatives to antibiotics
Topics	3) Phytochemicals	Topics	2) Immune-related products
Chair/Co-chair	Hong Dong (China) /John Furness (Australia)	Chair/Co-chair	Sin-Hyeog Im (Korea)/Peter Heegaard (Denmark)
08:30-09:00	Invited speaker 1: John Furness, Departments of Anatomy and Neuroscience and Agriculture and Food, University of Melbourne, Australia: "Sensing and Reacting: Micronutrients and Phytochemicals in Gut Health"	08:30-09:00	Invited speaker 1: Dr. Peter Heegaard (Denmark): Passive Immunity and IgY Antibodies as Antibiotic Alternative Approach
09:00-09:30	Invited speaker 2: Xiang Mu (China): "Ant-microbial Mechanisms of Traditional Chinese Medicine"	09:00-09:30	Invited speaker 2: / Henk Haagsman (The Netherland): Immunomodulatory Antimicrobials: Effects on gut microbiota and food safety pathogens
09:30-09:40	To be selected from abstract submissions	09:30-09:40	To be selected from abstract submissions
09:40-09:50	To be selected from abstract submissions	09:40-09:50	To be selected from abstract submissions
09:50-10:00	To be selected from abstract submissions	09:50-10:00	To be selected from abstract submissions
10:00-10:10	To be selected from abstract submissions	10:00-10:10	To be selected from abstract submissions
10:10-10:20	To be selected from abstract submissions	10:10-10:20	To be selected from abstract submissions
10:20-10:30	To be selected from abstract submissions	10:20-10:30	To be selected from abstract submissions
10:30-11:00	COFFEE BREAK A2 / POSTER SESSION		
11:00-11:10	To be selected from abstract submissions	11:00-11:10	To be selected from abstract submissions
11:10-11:20	To be selected from abstract submissions	11:10-11:20	To be selected from abstract submissions
11:20-11:30	To be selected from abstract submissions	11:20-11:30	To be selected from abstract submissions
11:30-12:00	Round discussion 3	11:30-12:00	Round discussion
12:00-13:30	LUNCH SYMPOSIUM A2	LUNCH SYMPOSIUM B2	
Topics	4) Immune-related products	Topics	3) Microbial-derived products
Chair/Co-chair	Sin-Hyeog Im (Korea) / Henk Haagsman (The Netherland)	Chair/Co-chair	Hein Min Tun (Hong Kong) and Tom Rehberger (USA)
13:30-14:00	Invited speaker 1: Sin-Hyeog Im (Korea): "Probiotics, Gut Microbiota and Cross talk, Immune tolerance"	13:30-14:00	Invited speaker 1: Tom Rehberger, Church & Dwight Co., Inc., United States: "Managing the Gut Microbial Populations: From Science to Practice"
14:00-14:30	Invited speaker 2: Woohyun Kim (Korea): "Host Defense Peptide with Anti-microbial and Immunomodulatory Activities as Antibiotic Alternatives"	14:00-14:30	Invited Speaker 2: Inkyung Park (Korea): "Small Molecular Weight Metabolites Regulating Growth and Immunity as Postbiotic Antibiotic Alternatives"

14:30-14:40	To be selected from abstract submissions	14:30-14:40	To be selected from abstract submissions
14:40-14:50	To be selected from abstract submissions	14:40-14:50	To be selected from abstract submissions
14:50-15:00	To be selected from abstract submissions	14:50-15:00	To be selected from abstract submissions
15:00-15:10	To be selected from abstract submissions	15:00-15:10	To be selected from abstract submissions
15:10-15:20	To be selected from abstract submissions	15:10-15:20	To be selected from abstract submissions
15:20-15:30	To be selected from abstract submissions	15:20-15:30	To be selected from abstract submissions
15:30-16:00	COFFEE BREAK A3 / POSTER SESSION		
16:00-16:10	To be selected from abstract submissions	16:00-16:10	To be selected from abstract submissions
16:10-16:20	To be selected from abstract submissions	16:10-16:20	To be selected from abstract submissions
16:20-16:30	To be selected from abstract submissions	16:20-16:30	To be selected from abstract submissions
16:30-17:00	Round discussion	16:30-17:00	Round discussion

Wednesday 18 December 2019

Room A: MAYFAIR GRAND		Room B: JUBILEE	
Session	Advances in the research and development of alternatives to antibiotics	Session	Research results from commercially available alternatives to antibiotics
Topics	5) Innovative drugs, chemicals and enzymes	Topics	4) Phytochemicals
Chair/Co-chair	Chengbo Yang (<i>Canada</i>); Junjun Wang (<i>China</i>)	Chair/Co-chair	Gene Jin (<i>China</i>)/ Emma Wall (<i>Switzerland</i>)
08:30-09:00	Invited speaker 1: Junjun Wang (<i>China</i>): Strategies to Reduce Antibiotics in Growing Pigs	08:30-09:00	Invited speaker 1: Emma Wall, Erbo, Switzerland: "Phytonutrients: the Next Generation"
09:00-09:30	Invited speaker 2: Judy Chen (<i>United States</i>): "RNA Interference (RNAi)-based Gene Therapy for Nosema Disease in the European Honey Bee, <i>Apis mellifera</i> "	09:00-09:30	Invited speaker 2: Hong Dong, Beijing Key Laboratory of Traditional Chinese Veterinary Medicine: "Anti- <i>Escherichia coli</i> Mechanisms of <i>Baitouweng Decoction</i> "
09:30-09:40	To be selected from abstract submissions	09:30-09:40	To be selected from abstract submissions
09:40-09:50	To be selected from abstract submissions	09:40-09:50	To be selected from abstract submissions
09:50-10:00	To be selected from abstract submissions	09:50-10:00	To be selected from abstract submissions
10:00-10:10	To be selected from abstract submissions	10:00-10:10	To be selected from abstract submissions
10:10-10:20	To be selected from abstract submissions	10:10-10:20	To be selected from abstract submissions
10:20-10:30	To be selected from abstract submissions	10:20-10:30	To be selected from abstract submissions
10:30-11:00	COFFEE BREAK A4 / POSTER SESSION		
11:00-11:10	To be selected from abstract submissions	11:00-11:10	To be selected from abstract submissions
11:10-11:20	To be selected from abstract submissions	11:10-11:20	To be selected from abstract submissions
11:20-11:30	To be selected from abstract submissions	11:20-11:30	To be selected from abstract submissions
11:30-12:00	Round discussion 5	11:30-12:00	Round discussion
12:00-13:30	LUNCH SYMPOSIUM		
MAYFAIR GRAND			

Topics	6) Regulatory pathways to enable the licensing of alternatives to antibiotics
Chair/Co-chair	Elisabeth Erlacher-Vindel
13:30-14:00	Invited speaker 1: Joshua Hayes, FDA, United States
14:00-14:30	Invited speaker 2: TBD
14:30-15:00	Invited speaker 3: TBD
15:00-15:30	COFFEE BREAK / POSTER SESSION
15:30-16:00	Invited speaker 4: TBD
16:00-17:00	Round discussion 6: What scientific data are needed to help support the licensing and registration of alternatives to antibiotics with regulatory authorities?
17:00-17:30	CONCLUSIONS AND NEXT STEP