



25th International Pig Veterinary Society Congress
2018 International PRRS Symposium
Chongqing, China
June 11-14, 2018

IPVS IPRRS 2018 PROGRAM

TIME	SUNDAY 10 JUNE 2018
13: 00-21: 00	Registration
	MONDAY 11 JUNE 2018
08: 30-21: 00	Registration
08: 40-09: 00	HALL 1 2018 IPRRS Symposium Opening Speech Raymond R. R. Rowland and Hanchun Yang Topic 1 Genetic Diversity and Evolution Leading Chair: Hanchun Yang Co-Chair: Tomasz Stadejek
09: 00-09: 30	Tomasz Stadejek PRRSV epidemiology: Emergence of new virus strains
09: 30-09: 45	Qiaoya Zhang A novel recombinant porcine reproductive and respiratory syndrome virus with significant variation in cell adaption and pathogenicity
09: 45-10: 00	Jesus Horacio Lara-Puente PRRS virus lineages determined in Mexico with 128 sequences obtained during a 2006 – 2013 period

10: 00-10: 15	Jos Dortmans Genetic diversity of porcine reproductive and respiratory syndrome virus (PRRSV) isolates in the Netherlands from 2014-2016	
10: 15-10: 30	Ting Bian Prevalence and recombination analysis of porcine reproductive and respiratory syndrome virus in recent years in China	
10: 30-11: 00	COFFEE BREAK-POSTER VIEWING	
	Topic 2 Epidemiology and Clinical Diseases Leading Chair: Tomasz Stadejek Co-Chair: Falko Steinbach	
11: 00-11: 30	Hanchun Yang Current status of PRRS in China: Diversified strains and complicated clinical diseases	
11: 30-11: 45	Jordi Soto Vigueras Assessment of vertical transmission events in PRRSV-1 endemic farms and dynamics of infection in maternities and nurseries	
11: 45-12: 00	Jose Angulo PRRS virus detection at near-zero prevalence in neonatal piglets using processing fluid samples and applications for monitoring	
12: 00-12: 15	Kathleen O'Hara Network analysis of swine shipments in China: the value for animal health, food safety and security	
12: 15-12: 30	Cesar Corzo Regional monitoring for PRRSV	
12: 30-13: 30	LUNCH-POSTER VIEWING	
	HALL 1 Topic 3 Virus-host Interaction and Pathogenesis Leading Chair: Kay Faaberg Co-Chair: Dongwan Yoo	HALL 2 Pre-Congress Session for the Chinese Swine Practitioners Chair: Yongguang Zhang
13: 30-14: 00	Ying Fang Novel mechanisms of PRRSV infection: intercellular transmission and persistence	Huanchun Chen Overview of swine diseases in China

14: 00-14: 30	Ping Jiang The key viral proteins of PRRSV impairs the function of monocyte-derived dendritic cells via the release of soluble CD83	<p>XueFeng Wei Improvement of animal vaccine technology and the prevention of major infectious diseases in intensive pig farms</p> <p>Fengxiang Yue How to select proper CSFV live vaccine?</p> <p>Ping Yu The pig farm that meets environmental regulations with a high level of biosecurity</p> <p>Yan Li The epidemic characteristics and prevention strategies of swine Senecavirus infection</p>
14: 30-14: 45	Ana M.M. Stoian Peptide sequence domains in SRCR5 of CD163 that contribute to recognition by PRRSV-2	
14: 45-15: 00	Hanzhong Ke Interaction of PRRSV nsp1-beta and the cellular protein nucleoporin 62 inhibits host mRNA nuclear export and host cell gene expression	
15: 00-15: 15	Jiangwei Song Network mapping reveals regulated interactions among PRRSV nonstructural proteins	
15: 15-15: 30	Xin-xin Chen Identification of the RNA Pseudoknot within the 3' End of PRRSV Genome as Pathogen Associated Molecular Pattern to Activate Antiviral Signaling via RIG-I and TLR3	
15: 30-16: 00	COFFEE BREAK-POSTER VIEWING	
	Leading Chair: Ying Fang Co-Chair: Jun Han	Chair: Guihong Zhang
16: 00-16: 30	Jun Han A decade journey with the Chinese HP-PRRSV: what have we learned about its pathogenic mechanisms?	<p>Gaiping Zhang Rapid diagnostic technology for swine diseases</p> <p>Kegong Tian PCV3: a threat to the pig industry?</p> <p>Peng Li Virus escape and counter strategy under non-stop vaccination selective pressure in field conditions.</p> <p>Jianli Li Variations and immune strategies of porcine epidemic diarrhea virus (PEDV)</p>
16: 30-16: 45	Nicholas John Catanzaro Porcine reproductive and respiratory syndrome virus induces stress granules closely associated with viral replication complexes and suppression of host translation	
16: 45-17: 00	Zhiyong Ma Proteomic analysis of the secretome of porcine alveolar macrophages infected with porcine reproductive and respiratory syndrome virus	
17: 00-17: 15	Wen-hai Feng NSP2 is crucial for highly pathogenic porcine reproductive and respiratory syndrome virus to trigger high fever in pigs	
17: 15-17: 30	Jiexiong Xie Identification of sites in GP2a of Type 1 porcine reproductive and respiratory syndrome virus (PRRSV1) responsible for MARC-145 adaptation	
13:00-21:00	Exhibition Open	

17: 45-18: 30	HALL 4 OPENING CEREMONY			
18: 30-19: 00	Opening Lecture-Tom Alexander Memorial Lecture Trevor Drew Emerging porcine diseases – the drivers and the dogma			
19: 00-21: 00	WELCOME RECEPTION			
TUESDAY 12 JUNE 2018				
	Session 1 HALL 1	Session 2 HALL 2	Session 3 HALL 3	Session 4 HALL 4
	2018 IPRRS Symposium/Virology & Viral Diseases Topic 4 Immunology and Host Genetic Resistance Leading Chair: Raymond R. R. Rowland Co-Chair: Christine Tait-Burkard	Veterinary Public Health & Food Safety Leading Chair: Jianghong Meng Co-Chair: Won Hyung Lee	Bacteriology & Bacterial Diseases Leading Chair: Patrick Kirwan Co-Chair: David Hampson	Nutrition & Herds Health Management Leading Chair: Thomas G. Gillespie Co-Chair: Fernanda Almeida
09: 00-09: 30	Eric Mateu Virulence and immunity in PRRS virus infection	Xiang-Jin Meng Emerging and zoonotic viruses in swine: swine hepatitis E virus as an example	Ait-Ali Tahar Understanding and combating pig proliferative enteropathy: Any news from the frontline	De Wu Nutrient-dependent regulation of health to optimize the reproductive performance of sows in modern swine production
09: 30-10: 00	Changjiang Weng Porcine reproductive and respiratory syndrome virus and <i>Haemophilus parasuis</i> coinfection enhances inflammatory responses	Alexander William Tucker An integrated management-based approach for surveillance and control of zoonoses in emerging livestock systems: Myanmar Pig Partnership (MPP) Talita Resende Instestinal lymphangectasis and lipogranulomatous lymphangitis in pigs	Ho-Seong CHO Modified method for the Minimal Inhibitory Concentration (MIC) determination of Lawsonia intracellularis without cell culture system using propidium monoazide-qPCR Visara Chit-Opas In vitro comparison of antimicrobial activities against three isolates of Lawsonia intracellularis generated from pigs in Thailand	Stephane Durosoy Effect of zinc oxide sources and doses on weaned piglets Juan Canter Gonzalez Influence of polyphenols (hydroxytyrosol) supplementation on oxidative and metabolic status of weaned piglets

10: 00-10: 15	Chaoliang Leng ORF1a of highly pathogenic PRRS attenuated vaccine virus plays a key role in neutralizing antibody induction in piglets and virus neutralization in vitro	Janneke Allaart Dynamics of Extended-spectrum β -lactamase (ESBL)/AmpC-producing <i>Escherichia coli</i> levels in the intestinal tract of weaned piglets	Sayoko Ishizeki Improvement of pork odor using vaccination against <i>Lawsonia intracellularis</i> : a case report	Kampon Kaeoket Sow colostrum and milk composition after supplementation of multi-strains probiotic Bactosac in feed during late gestation sow
10: 15-10: 30	Dongwan Yoo PRRSV nucleocapsid protein binding to PIAS1 activates NF- κ B for production of proinflammatory mediators	Tijs Jan-Willem Tobias Tailor-made coaching antimicrobial reduction in pig farms within the Belgium – Dutch cross border project; i-4-1-health	Vladimir Draskovic A technique to monitor plant-based feed additive's efficacy in controlling <i>Lawsonia intracellularis</i> infections in pigs	Shuang Li Supplementation with organic acids showing different effect on growth performance, gut morphology and microbiota of weaned pigs fed with highly or less digestible diets
10: 30-11: 00	COFFEE BREAK-POSTER VIEWING & EXHIBITION			
	Leading Chair: Enric Mateu Co-Chair: Changjiang Weng	Leading Chair: Xiang-Jin Meng Co-Chair: Qin Wang	Leading Chair: Ait-Ali Tahar Co-Chair: Zhangqi Shen	Leading Chair: Bent Nielsen Co-Chair: De Wu
11:00-11: 30	Raymond R. R. Rowland Models for understanding the genetics of the host response to PRRSV infection	Jianghong Meng Multidrug-resistant <i>Salmonella</i> : a threat to food safety and public health	David John Hampson Automated genome sequence interrogation to support surveillance, tracking and control of <i>Brachyspira hyodysenteriae</i> infections Roderick Michael Card Identification of a new pleuromutilin resistance gene in <i>Brachyspira hyodysenteriae</i> , aetiological agent of swine dysentery	Thomas G. Gillespie Herd health management through prevention and control of pathogens Prevention starting with biosecurity
11: 30-12: 00	Christine Tait-Burkard Gene edited pigs are resistant to PRRSV infection whilst maintaining biological function of the editing target gene CD163	Alejandro Casanova Higes The use of organic acids at lairage and its effect on pig <i>Salmonella</i> shedding at slaughter Zihao Zhou The prevalence and load of <i>Salmonella</i> , and key risk points of <i>Salmonella</i> contamination in a swine slaughterhouse in Jiangsu province, China	Shizhen Ma Mobile colistin resistance gene <i>mcr-5</i> in porcine <i>Aeromonas hydrophila</i> Jan Bernardy Emerging <i>Clostridium difficile</i> in swine	Pieter Langendijk Sows with prolonged parturition already compromised from the start of expulsion Paul John Justo Alvaran Using lung scoring as a tool to evaluate thoracic lesions in pigs from selected slaughterhouses in the province of Batangas, Philippines
12: 00-12: 15	Xiangbin You The let-7 family of miRNAs inhibits replication of porcine reproductive and respiratory syndrome virus in vitro and in vivo	Jianmin Zhang High prevalence and multidrug resistance of <i>Salmonella</i> from retail pork in Guangdong, China	Liu Yang Analysis of microbial community structure in the digestive tract of Rongchang pigs of different age	Juan Antonio Mesonero Escuredo Replacing in-feed antibiotics with feed additives and the effects in performance and immune response of weaning piglets

12: 15-12: 30	Simon Paul Graham Genetic programming of porcine memory B cells to enable the isolation of PRRSV-neutralising monoclonal antibodies	Janneke Allaart Enhanced immune response during Salmonella infection improves animal health and performance in weaned piglets	Weiping Zhang MEFA (multi-epitope fusion antigen), a structural vaccinology approach for vaccines against porcine post-weaning diarrhea (PWD)	Andrea Arruda Assessing differences in microbiome between cull, sick, and healthy sows
12: 30-13: 30	LUNCH-POSTER VIEWING & EXHIBITION			
	Topic 5 Diagnostics and Vaccines Leading Chair: Hans Nauwynck Co-Chair: Fernando A. Osorio	Session 5 Swine Production & Welfare Leading Chair: John James McGlone Co-Chair: Peter Stevenson	Leading Chair: Paul Richard Langford Co-Chair: Ait-Ali Tahar	Session 6 Virology & Viral Diseases Leading Chair: Weihuan Fang Co-Chair: Per Wallgren
13: 30-14: 00	Xiang-Jin Meng Designing novel vaccines against porcine reproductive and respiratory syndrome virus	Peter Stevenson Improving pig welfare and meeting emerging challenges	Jaime Maldonado Innovative and simple method to detect verotoxigenic Escherichia coli (VTEC) by combining the pig oral fluid and the FTA® technology in a qPCR assay Astrid De Greeff The effects of probiotics in pigs on host responses and microbiota composition and their putative role to prevent Escherichia coli infections	Joaquim Segalés Current challenges of porcine circovirus 2 prevention and control
14: 00-14: 15	Haiyan Sun Development of a broadly protective vaccine against porcine reproductive and respiratory syndrome virus using a synthetic strategy	Bruno Bracco Donatelli Muro Does the supplementation of natural progesterone or altrenogest have any effect on sows' corpora lutea development? (Preliminary results)	Siyong Choi Compounds of organic acids, cinnamaldehyde and Permeabilizing Complex™ (PC) impact on growth performance and modulation of gut microbiome in weaning piglets	Lucina Galina-Pantoja Evaluation of a novel PCV + M. hyopneumoniae vaccine in swine experimentally challenged with PCV2d and M. hyopneumoniae under commercial conditions
14: 15-14: 30	Reid Chandler Philips Efficacy of Ingelvac PRRS® MLV against a heterologous PRRSV 1-3-4 RFLP challenge	Tijs Jan-Willem Tobias High aerial ammonia as cause for increased rate of return to oestrus in sows; a case report	Xiangyang Qu The diagnosis and control of one acute case of suckling piglets related to E.coli infection	Martijn Steenaert No influence of maternal antibodies on piglet serological IgM response to PCV2 vaccination

14: 30-14: 45	Alvaro Aldaz Vaccination of 1-day-old pigs with a new porcine reproductive and respiratory syndrome (PRRS) modified live attenuated vaccine confers 26 weeks duration of immunity (DOI)	Juan Antonio Mesonero Escuredo Prevalence of fecal pathogens in different swine production phases	Miquel Collell Assessment of antibody response and efficacy of vaccines against neonatal diarrhoea by E.coli	Jianfa Bai Genome diversity and multiplex detection assay development for PCV3 and PCV2 viruses
14: 45-15: 00	Adthakorn Madapong Protective efficacy of commercial PRRS MLV against dual challenge with Type 1 and highly pathogenic PRRS isolates in experimental pigs	Gefferson Almeida Silva Evaluation of non-infectious causes of pre-weaning mortality in piglets	Frédéric ACJ Vangroenweghe Vaccination with a live bivalent E. coli F4/F18 vaccine for the prevention of F18-EPEC post-weaning diarrhea	Aleksandra Wozniak Detection of porcine circovirus type 3 (PCV3) and porcine circovirus type 2 (PCV2) in farms vaccinated and non-vaccinated against PCV2
15: 00-15: 15	Junru Cui The use of GP5 mosaic T-cell vaccine in a DNA prime vaccinia boost format to cross-protect swine against heterologous PRRSV strains	Jerome Geiger Elimination of Senecavirus A from a breeding stock flow	Rutger Jansen Comparing post-weaning mortality in pigs born from sows vaccinated with two different Coli-Clostridia combination vaccines	Icharu Sasaki Development of antibody titers after porcine circovirus vaccination in piglets with different levels of maternally-derived antibody
15: 15-15: 30	Jianqiang Zhang Improvement of PRRSV isolation from clinical samples using a ZMAC cell line		Marta Ferrer Comparative study to evaluate immunity induced by E. coli-Clostridium vaccines	Cristina Ferino Legaspi Comparison of serum PCR assay for porcine circovirus 2 with histopathology in slaughter pigs from the Philippines
15: 30-16: 00	COFFEE BREAK-POSTER VIEWING & EXHIBITION			
16: 00-18: 00	Boehringer Ingelheim-Symposium	MSD Animal Health-Symposium	Zoetis Animal Health-Symposium	
WEDNESDAY 13 JUNE 2018				
	Session 7 HALL 1	Session 8 HALL 2	Session 9 HALL 3	Session 10 HALL 4
	2018 IPRRS Symposium/Virology & Viral Diseases	Emerging and Re-emerging Swine Diseases	Bacteriology & Bacterial Diseases	Virology & Viral Diseases

	Leading Chair: Jianqiang Zhang Co-Chair: Hans Nauwynck	Leading Chair: Denis Kolbasov Co-Chair: Daesub Song	Leading Chair: Dominiek Maes Co-Chair: Suphot Wattanapansak	Leading Chair: Paul Becher Co-Chair: Huaqi Qiu
09: 00-09: 30	Hans Nauwynck Changing Siglec-usage of PRRSV to enter macrophages, the basis of differences in PRRSV virulence/pathogenicity and evolution?	Kyoungjin J. Yoon U.S. experience with Seneca Valley virus-associated vesicular disease	Gottschalk Marcelo <i>Actinobacillus pleuropneumoniae</i> : why do we still have problems to control the disease?	Changchun Tu Molecular epidemiology of classical swine fever virus and its control in China
09: 30-09: 45	Rutger Jansen The use of processing fluids compared to serum for determination the PRRS type 1 status of neonatal piglets on a commercial Dutch farm	Guangzhi Tong Re-emerged pseudorabies virus: What has been changed?	Qi Sun Diagnosis, prevention and control of porcine respiratory disease complex in an intensive pig farm	Yingju Xia Dynamic distribution of classical swine fever virus in a subacute infection model
09: 45-10: 00	Simon Chung A field-deployable RT-PCR system performs equivalently to real-time RT-PCR in detecting type 2 porcine reproductive and respiratory syndrome virus		Roman Krejci The European survey on lung lesions in slaughter pigs in 2017	Yuan Sun Eradication of classical swine fever in China: Is it far away?
10: 00-10: 15	Carles Vilalta New strategies for sampling piglets	Qingyun Liu The difference in pathogenic characteristics between PRV variant strains	Tijs Jan-Willem Tobias Absence of <i>Actinobacillus pleuropneumoniae</i> in semen from serologically positive tested AI-boars	Qin Wang Research achievements of CSF diagnostic techniques
10: 15-10: 30	Jianfa Bai Development of a Lumindex multiplex assay for the detection of PRRS and PCV viruses and for PRRS vaccine differentiations in the US	Joaquim Segalés Porcine forebrain vacuolization: a novel condition of pigs associated with wasting	Doris Hoeltig PleuroRes: Identification of genetic markers associated with enhanced resistance to porcine pleuropneumonia	Alexei D. Zaberezhny Approaches for control of classical swine fever in Russia
10: 30-11: 00	COFFEE BREAK-POSTER VIEWING & EXHIBITION			
	Topic 6 Control and Elimination Leading Chair: Lars Erik Larsen Co-Chair: Ping Jiang	Leading Chair: Kyoungjin J. Yoon Co-Chair: Yue Wang	Leading Chair: Gottschalk Marcelo Co-Chair: Guoqing Shao	Leading Chair: Changchun Tu Co-Chair: Jens Peter Nielsen

11: 00-11: 30	Enmin Zhou Antiviral strategies against PRRSV infection	Daesub Song Emergence of mutants of porcine epidemic diarrhoea viruses (PEDV) in Korea and application of nanobiotechnology for vaccine adjuvant against PEDV	Dominiek Maes <i>Mycoplasma hyopneumoniae</i> infections: update on pathogenesis, vaccination and control	Paul Becher Pathogenesis, diagnosis and control of classical swine fever virus and other porcine pestiviruses
11: 30-11: 45	Miquel Collel B-eSecure: electronic system to measure and improve biosecurity on pig farms	Terri L O'Sullivan Network analysis on the contact structure between swine herds and feed suppliers during the 2014 porcine epidemic diarrhoea outbreak in Canada	Luis Gimenez-Lirola Chimeric variant membrane surface lipoprotein (VlpA-G) as biomarker for early diagnosis of active <i>Mycoplasma hyorhinis</i> infection	Alexander Grafhorst First description of congenital tremor in a Swiss pig farm caused by atypical porcine pestivirus infection
11: 45-12: 00	Liangke Su Questionnaire survey result of the current biosecurity situation in China pig farms by COMBAT	Di Wang The S gene is necessary but not sufficient for the virulence of epidemic PEDV strains	Jerome Geiger Determining time to <i>Mycoplasma hyopneumoniae</i> stability in naive herds following whole herd exposure	Feng Zhou The first porcine Getah virus strain in China: Isolation and identification
12: 00-12: 15	Yugo Watanabe Development of biosecurity assessment tool to evaluate biosecurity practices on Japanese commercial swine farms	Yue Wang Porcine epidemic diarrhoea virus-induced epidermal growth factor receptor activation impairs the antiviral activity of type I interferon	Maria Jose Clavijo Longitudinal assessment of <i>M. hyopneumoniae</i> natural infection in gilts	Stefan Vilcek Identification and typing of astroviruses in wild boars
12: 15-12: 30	Pieter Rengen Van PRRS risk assessment of Dutch sow herds using COMBAT	Pinghuang Liu IL-22 suppresses the infection of porcine enteric coronaviruses by activating STAT3 signal pathway	Maria Pieters The effect of gilt flow on <i>Mycoplasma hyopneumoniae</i> acclimation	Maciej Frant Preparation and modification of African swine fever virus strain for CRISPR/Cas9 modification.
12: 30-13: 30	LUNCH-POSTER VIEWING & EXHIBITION			
	Leading Chair: Enmin Zhou Co-Chair: Lars Erik Larsen	Leading Chair: Trevor Drew Co-Chair: Pinghuang Liu	Leading Chair: Qigai He Co-Chair: John Hwa Lee	Leading Chair: Joaquim Segalés Co-Chair: Zhenhai Chen
13: 30-14: 00	Lars Erik Larsen PRRSV control – the Danish way	Denis Kolbasov Ten years with African swine fever (ASF)- Lessons learned	Martina Ustulin A study on the transmission of <i>Mycoplasma hyorhinis</i> in suckling piglets in two farm in northern Italy Wouter Depondt Efficacy of Vetmulin® for the control of <i>Mycoplasma suis</i> infections	Montserrat Torremorell Transmission of influenza A virus in pigs: the role of the piglet

14: 00-14: 15	Poul Henning Rathkjen Metaanalyses of biosecurity and management high risk scores in selected European countries based on COMBAT questionnaires	Andrzej Krzysztof Jarynowski Early warning analysis of African Swine Fever propagation in Eastern Europe	Di Gao Current status of Mycoplasma hyopneumoniae infection in Chinese swine herds as determined by lung scoring at slaughter	Fabian Orlando Chamba Pardo Influenza herd-level prevalence and seasonality in Midwestern US breeding herds
14: 15-14: 30	Victor Rodriguez-Vega Implementation of the 5 steps process platform for PRRS control in a farm in Spain	Lei Zhou Identification and evolutionary analysis of atypical porcine Pestivirus in China	Paul Emil Yeske A survival analysis of Mycoplasma hyopneumoniae elimination protocols	Jesus Horacio Lara-Puente Swine influenza virus subtypes present in Mexico 2010 – 2017
14: 30-14: 45	Marius Kunze PRRSV successfully handled with whole herd vaccination. Concept and biosafety analysis.	Aojie Wang Molecular detection, isolation and identification of getah virus from pigs in 4 provinces in China	ROMAN KREJCI Comparison of lung lesions in slaughter pigs vaccinated with different M.hyponeumoniae vaccines during a yearly survey in Germany and Austria	Pia Ryt-Hansen Optimal influenza A virus vaccination: Sows or piglets?
14: 45-15: 00	Jose Angulo Elimination of vaccine porcine reproductive and respiratory syndrome virus as part of PRRS elimination program using load-close-homogenize method	Talita Pilar Resende Next-generation sequencing coupled with in situ hybridization: a novel diagnostic platform to identify emerging pathogens and new variants of endemic viruses	Qiyao Xiong Preparation of the ISCOMs of Mycoplasma hyopneumoniae P97R1 and its ability to enhance the effect of intramuscularly immunized live vaccine	Brad Jay Thacker Dynamics of porcine parainfluenza virus shedding in sows and their piglets
15: 00-15: 15	Allison Margaret Kirwan Economic value of porcine reproductive and respiratory syndrome type 1 stabilization on a large pig unit in Ireland	Friederike Zeeh Pigs and a crow residing close to pig farms share the same genotype of Brachyspira hyodysenteriae	Victor Rodriguez-Vega Survey update on Mycoplasma hyopneumoniae acclimation of gilts in the Spanish swine industry	Michael Welch Pathogenesis and transmission of a novel porcine parainfluenza virus isolate (MN25890NS/2016) in weaned and CDCD piglets
15: 15-15: 30	Laura Batista Capture efficiency of filters against airborne pig pathogen models in an ASHRAE Standard 52.2 test duct	TIEN DUY DO Evaluation of pathogenicity of Balantidium coli in weaned pigs collected from several pig farms in Southern, Vietnam	Joaquim Segalés The use of Hyogen and Circovac vaccines by separate or combined is effective against the experimental challenge against Mycoplasma hyopneumoniae or Porcine circovirus 2	Hepzibar Clilverd Deep-sequencing characterization of 16 Rotavirus A outbreaks in sucking piglets in Spain
15: 30-15: 45	Alvaro Hidalgo Serology and molecular diagnostics for PRRS			
15: 45-16: 00	Closing Remark Raymond R. R. Rowland			
15: 30-16: 00	COFFEE BREAK-POSTER VIEWING & EXHIBITION			

16: 00-18: 00		ELANCO-Symposium	Swine Veterinarian Salon Leading Chair: Thomas G. Gillespie Co-Chairs: Martin Bonneau Lei Zhou	
18: 30-21: 00	S2 The 50th Anniversary Celebration of IPVS GALA DINNER			
THURSDAY 14 JUNE 2018				
	Session 11 HALL 1 Swine Production & Welfare Leading Chair: Peter Evans Co-Chair: Alberto Stephano	Session 12 HALL 2 Swine Farm Management & Environmental Control Leading Chair: Hongmin Dong Co-Chair: Satoshi Otake	Session 13 HALL 3 Bacteriology & Bacterial Diseases Leading Chair: Virginia Aragón Co-Chair: Qigai He	Session 14 HALL 4 Virology & Viral Diseases Leading Chair: Jun Han Co-Chair: Qizu Zhao
09: 00-09: 30	Khampee Kortheerakul Outlook of pig farming in China and ASEAN countries during these 2 decade years, herd health management and food safety direction	Satoshi Otake Prevention and control of swine diseases through biosecurity	Qigai He The prevalence, prevention and control strategies of swine bacterial diseases in China	Jeffrey Zimmerman Contemporary issues in the surveillance of pig diseases
09: 30-09: 45	Henrik Elvang Jensen Age estimation of porcine wounds based on gross evaluation	Sarah Probst Miller Impact of two training implementation plans on post-training competency expression of personnel on farm	Thomas Wileman Surveillance for Streptococcus suis needs to account for relatively low abundance of disease-associated strains relative to non-disease associated strains in carrier pigs	Yuchen Nan The pathogenesis and risk for public health of zoonotic Hepatitis E virus
09: 45-10: 00	Ilias Chantziaras Risk and protective factors for health, welfare and performance in sows and piglets in 8 EU countries. Part 1: Focus on health-related performance parameters	Andres Diaz Truck wash procedures for commercial swine production in Mexico do not meet the industry expectations	Carlos Emilio Cabrera Matajira Genotypic characterization of Streptococcus suis isolated from diseased pigs in Brazil using PFGE	Piotr Niewitecki Patterns of HEV circulation on various types of pig farms in Poland

10: 00-10: 15	Michael Hahne Influence of different farrowing and weaning systems on the welfare and health of weaner pigs	Julia Adriana Calderon Diaz Cross-fostering practices in a farrow-to-finish commercial farm	Geng Zou A population-level study of antimicrobial resistance genes in <i>Streptococcus suis</i> in clinically healthy pigs in China and the UK	Nitipong Homwong The diversity of the eleven gene segments of rotaviruses C among the host species
10: 15-10: 30	Honggui Liu Effect of feeding method on the behavior, physiology and reproductive performance of group-housed pregnant sows	Jan Jourquin Impact of runtting on colostrum intake, survival chances and development	Yanhua Li The potential target proteins analysis of macrolide antibiotics inhibiting the biofilm formation by <i>Streptococcus suis</i>	
10: 30-11: 00	COFFEE BREAK-POSTER VIEWING & EXHIBITION			
	Leading Chair: Khampee Kortheerakul Co-Chair: Zhichun Yan	Leading Chair: Satoshi Otake Co-Chair: Hongmin Dong	Leading Chair: Guoqing Shao Co-Chair: Virginia Aragón	Leading Chair: Jeffrey Zimmerman Co-Chair: Haixue Zheng
11: 00-11: 15	Choew Kong Mah A comparison of immunocastrated pigs versus physically castrated pigs and entire males: meta-analysis of most relevant parameters for pig producers	Hongmin Dong Manure treatment and utilization in China	Virginia Aragón Pathogenicity of <i>Haemophilus parasuis</i> and control of Glässer's disease	Qizu Zhao Swine foot-and-mouth disease--the key strategy for FMD control in China
11: 15-11: 30	Flemming Thorup Revitalizing weak new born piglets with glucose and heating			
11: 30-11: 45	James Mark Hammer Plasma and milk concentrations of tiamulin hydrogen fumarate when administration via drinking water to periparturient sows	John Carr Use of infra-red thermography to assist control of evaporative cool cells	Jasmin Brauns Respiratory pathogen spectrum in affected and non-affected weaners from piglet producing farms with recurring respiratory disease	Yeonsu Oh Different immunogenicity at post FMD vaccination: the role of porcine gut microbiome in immunogenicity
11: 45-12: 00	Terri O'Sullivan Pharmacokinetics of ketoprofen in nursing piglets when compounded with iron dextran prior to injection	Ernesto Jr Balolong Field evaluation study on post vaccination reactions of one-shot Pneumostar SIV® versus a commercial two-shot SIV vaccine in young pigs	Nubia Macedo Molecular characterization of <i>Haemophilus parasuis</i> field isolates by serotyping PCR (sPCR) and virulence-associated autotransporters PCR (vtaA-PCR)	Haixue Zheng Deletion in pseudoknots region of the 5' - untranslated region implies a possible shift from cattle to pigs as the carrier for spread of serotype O foot-and-mouth disease virus

12: 00-12: 15	Joaquín Miguel Escuder Two Step Dilution	Charlie Cador Control of swine influenza a virus endemic persistence in farrow-to-finish herds: insights from a stochastic metapopulation model	Zhong Peng Genetic characteristics of <i>Pasteurella multocida</i> isolated from pigs in China	Keshan Zhang Transmission of pig foot-and-mouth disease maternal antibody and it's negative effect on vaccine immunity
12: 15-12: 30	Fernanda Almeida Andrological evaluation in high genetic merit boars from maternal and terminal cores lines	Yeonsu Oh Current clinical status of Lawsonia intracellularis infection in Korea: a lack of acclimatization?	Gustavo Simão Evaluation of the thermo-assisted drying and decontamination system and ozone gas for sanitation of livestock transport vehicles	Pablo Pineyro Seroprevalence of Senecavirus A in swine herds in the United States
12: 30-13: 30	LUNCH-POSTER VIEWING & EXHIBITION			
	<p>Session 15</p> <p>HALL 1</p> <p>Virology & Viral Diseases</p> <p>Leading Chair: Montserrat Torremorell</p> <p>Co-Chair: Qihong Wang</p>			
13: 30-14: 00	<p>Weihuan Fang</p> <p>Advances in the development of novel marker vaccines against classical swine fever</p>			
14: 00-14: 15	<p>Jianqiang Zhang</p> <p>Identification of porcine epidemic diarrhea virus variant with a large spike gene deletion from a clinical swine sample in the USA</p>			
14: 15-14: 30	<p>Qihong Wang</p> <p>Two trafficking signaling motifs at the end of the spike protein of porcine epidemic diarrhea virus are virulence determinants in pigs</p>			
14: 30-14: 45	<p>Luis Gabriel Gimenez-Lirola</p> <p>Characterization of the immune response against porcine hemagglutinating encephalomyelitis virus in grow-finisher pigs</p>			
14: 45-15: 00	<p>Pablo Pineyro</p> <p>Porcine hemagglutinating encephalomyelitis coronavirus in Argentina. A serological survey on farms of high, medium and low biosecurity</p>			
15: 00-15: 30	COFFEE BREAK			
	HALL 1			
15: 30-17: 30	<p>IPVS General Assembly</p> <p>Bids for IPVS 2022</p> <p>Closing Ceremony</p>			