

IPRRSS 2024 Programme			
Time	Name	Affiliation	Title
7-Aug			
9:00-18:00	Registration/Posters Communication		
8-Aug			
8:30	Opening Remarks		
Virus Replication			
Moderator	Hans Nauwynck, Ghent University, Belgium Changjiang Weng, Harbin Veterinary Research Institute, Chinese Academy of Agricultural Sciences, China		
8:40	Ying Fang	University of Illinois at Urbana-Champaign, USA	The Art of PRRSV Replication
9:10	Jun Han	China Agricultural University, China	The multifaceted functions of PRRSV nsp2: a mysterious replicase with divergent genetic evolution
9:40	Xiaolei Ren	Ghent University, Netherland	Glycoprotein 2b (E) of porcine reproductive and respiratory syndrome virus (PRRSV) enhances the expression of the GP2/3/4 complex on the plasma membrane.
9:47	Yanhua Li	Yangzhou University, China	The dimerization of porcine reproductive and respiratory syndrome virus nsp1 $\alpha$ is important for viral subgenomic RNA synthesis
9:54	Jing Zhang	Lanzhou Veterinary Research Institute, Chinese Academy of Agricultural Sciences, China	Porcine reproductive and respiratory syndrome virus nonstructural protein 2 promotes the autophagic degradation of adaptor protein SH3KBP1 to antagonize host innate immune responses by enhancing K63-linked polyubiquitination of RIG-I
10:00-10:30	Tea Break/Posters Communication		
Pathogenesis			
Moderator	Ying Fang, University of Illinois at Urbana-Champaign, USA Jun Han, China Agricultural University, China		
10:30	Hans Nauwynck	Ghent University, Belgium	Tissue differences and environmental changes give rise to 'chameleon-like' adaptation of macrophages, which drives PRRSV-1 evolution
11:00	Changjiang Weng	Harbin Veterinary Research Institute, Chinese Academy of Agricultural Sciences, China	Elucidating the immune evasion mechanism of PRRSV through viral protein-host protein interactions
11:30	Xiangdong Li	Yangzhou University, China	Pathogenicity of Chinese NADC34-like PRRSV and commercial PRRSV vaccine efficacy against its infection
11:37	Chunhe Guo	South China Agricultural University, China	PDCD4 restricts PRRSV replication in an eIF4A-dependent manner and is antagonized by the viral nonstructural protein 9
11:44	Teng Liu	China Agricultural University, China	The 5'UTR of porcine reproductive and respiratory syndrome virus strain JXwn06 harbors an uORF that regulates cellular inflammation
12:00-13:30, Lunch			
Vaccines and Immunity			
Moderator	Xiang-Jin (X.J.) Meng, Virginia Polytechnic Institute and State University, USA Jun Han, China Agricultural University, China		
13:30	Enric Mateu	Autonomous University of Barcelona, Spain	Present and future of PRRS vaccines
14:00	Shishan Yuan	Boehringer Ingelheim (Shanghai), China	Three-decade of marching towards a better PRRS vaccine
14:30	Jing Huang	University of Minnesota, USA	Porcine antibody response to epitope A on porcine reproductive and respiratory syndrome virus glycoprotein 5 and its role in virus neutralization
14:37	Yuchen Nan	Northwest A&F University, China	PRRSV-specific IgM as a novel adjuvant for inactive PRRSV vaccine
14:44	Hongliang Zhang	Harbin Veterinary Research Institute, Chinese Academy of Agricultural Sciences, China	Lineage 1 Porcine Reproductive and Respiratory Syndrome Virus Attenuated Live Vaccine Provides Broad Cross-Protection against Homologous and Heterologous NADC30-Like Virus Challenge in Piglets
14:51	Rory Fortes de Brito	The Pirbright Institute, UK	Dissecting the neutralizing antibody response to porcine reproductive and respiratory syndrome virus to identify novel vaccine targets
15:00-15:30	Tea Break/Posters Communication		
15:30-17:30	BI-Satellite Symposium		
Practical Forum			
Moderator	Lei Zhou, China Agricultural University, China Congmin Liu, PIC Asia Regional Technical Service Director		
15:30-15:50	JinLong Li	Ph.D/DVM/Professor, Northeast Agricultural University (Invited by Zhejiang ECO-BIOK Animal Health Products Co., Ltd)	Key points of diseases elimination in intensive pig farm
15:50-16:10	Xingliang Wu	Technical director of Beijing Jinnuo Biotech Co.,Ltd.	Prevention, Control and Eradication Practice of PRRSV in Pig Farms from the Perspective of Antibody
16:10-16:30	Qunshan Hu	KA Technical Service Manager, Zoetis China	Best practise sharing : Improve pig production performance of a PRRS infected farm via constant health program
16:30-16:50	Weipu Tian	Ringpu --Domestic animal CBG, Technical Solutions Department--Solution experts--Tian Weipu	Analysis of PRRSV infection situation in nursed piglets at the difference age of drug intervention
16:50-17:10	Rongyu Zeng	Director of technical support in TECON Pharmaceutical Co.Ltd.	Top ten questions perplexing PRRS control
17:10-17:30	Hanping Liu	Vice President MD of Huapai Biological Group	Practice and Reflection on Prevention and Control of PRRSV
18:00-21:30	Banquet		
9-Aug			
Field Disease Control			
Moderator	Tomasz Stadejek, Warsaw University of Life Sciences, Poland Enric Mateu, Autonomous University of Barcelona, Spain		
8:30	Mariana Kikuti	University of Minnesota, USA	PRRSV variant emergence: example and considerations for prospective monitoring
9:00	Congmin Liu	PIC Asia Regional Technical Service Director	The practice and enlightenment of PRRS elimination in large scale pig farm of China
9:30	Kui Fang	Tang Ren Shen Group Co., Ltd	Assessment of main productive parameters changes of a breeding herd following a NADC30-like PRRSV infection
9:37	Yuetian Li	Weihei Huayu Mishan Breeding Co., Ltd	Implementing Unit Elimination Strategies for Rapid Elimination of Porcine Reproductive and Respiratory Syndrome in Swine Farms: A Case Study
9:44	Nanfang Zeng	Gianstar research institute	Protective efficacy of PRRS MLV vaccine with reduced immunization dosage against either NADC30-like or NADC34-like strain prevalence in China
9:51	Zhanding Cui	Lanzhou Veterinary Research Institute, Chinese Academy of Agricultural Sciences, China	Nitazoxanide as a Potential Inhibitor of PRRSV Infection
10:00-10:30	Tea Break/Posters Communication		

Time	Name	Affiliation	Title
Diagnostics-Epidemiology			
Moderator Mariana Kikuti, University of Minnesota, USA Lei Zhou, China Agricultural University, China			
10:30	Tomasz Stadejek	Warsaw University of Life Sciences, Poland	PRRSV-1: the meaning of genetic subtypes
11:00	Jianqiang Zhang	Iowa State University, USA	Overview of PRRSV diagnostics and molecular epidemiology in the USA
11:30	Igor Paploski	University of Minnesota, USA	PRRSV genetic variability in the U.S.: how can lineages, sub-lineages and variants help us understand disease epidemiology
11:37	Tongqing An	Harbin Veterinary Research Institute, Chinese Academy of Agricultural Sciences, China	Emerging of highly lethal PRRSV RFLP 1-4-4 LIC recombinant variant in China
11:44	Bangjun Gong	Harbin Veterinary Research Institute, Chinese Academy of Agricultural Sciences, China	Dissecting genetic diversity, evolutionary trends and pathogenicity of Chinese PRRSV-1
11:51	Peng li	Iowa State University, USA	PRRSV RNA detection patterns in individual sows over time based on tonsil scraping and TOSc results
12:00-13:30, Lunch			
Host Genetics and Host virus interactions			
Moderator Laura Miller,Kansas State University, USA Yaowei Huang, South China Agricultural University, China			
13:30	Kui Li	Agricultural Genomics Institute at Shenzhen, Chinese Academy of Agricultural Sciences, China	Creation and breeding of gene edited pigs resistant to porcine reproductive and respiratory syndrome virus
14:00	Jack Dekkers	Iowa State University, USA	Genetics of Disease Resilience in Grow-Finish Pigs
14:30	Yu Wu	Sun Yat-sen University, China	Evaluation of the resistance of Liang Guang small Spotted pigs with partial deletion of the CD163 SRCR5 Domain to Porcine Reproductive and Respiratory Syndrome Virus 2 Infection
14:37	Julia Baker	University of Minnesota, USA	Switching immune target: applying MPRRS classifications to characterize how PRRSV GP5-epitope C changes over time
14:44	Kai Wang	Jilin Agricultural University, China	Isolation, identification and pathogenicity analysed of a NADC34-like porcine reproductive and respiratory syndrome virus
14:51	Alvaro Hidalgo	IDEXX, Spain	Performance of a newly designed qPCR for multiplex detection of PRRSV-1 and PRRSV-2: field study evaluation
14:58	Jingjing Guo	Huazhong Agricultural University, China	PRRSVSeq: Multiplex PCR-Based Whole-Genome Sequencing for Porcine Reproductive and Respiratory Syndrome Virus (PRRSV)
15:05	Xiang Gao	China Agricultural University, China	Fidelity Characterization of Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus and NADC30-like Strain
15:12	Yanrong Zhou	Huazhong Agricultural University, China	PRRSV modulates autophagy via multiple mechanisms to optimize viral proliferation
15:20-15:50	Tea Break/Posters Communication		
Emerging Viruses			
Moderator Jianqiang Zhang, Iowa State University, USA Shishan Yuan, Boehringer Ingelheim (Shanghai), China			
15:50	Xiang-Jin (X.J.) Meng	Virginia Polytechnic Institute and State University, USA	Novel vaccine candidates against porcine epidemic diarrhea virus
16:20	Laura Miller	Kansas State University, USA	Transcriptomic Profiling of PRRSV Infection for Targeted Strategies
16:50	Qihong Wang	The Ohio State University, USA	Develop recombination-resistant PEDV vaccines
17:20	Yaowei Huang	South China Agricultural University, China	Enteric coronavirus PEDV non-structural protein 2 acts as a novel virulence determinant by linking innate antiviral immunity and autophagy
17:50	Closing Remarks		