

The 6th Annual Veterinary Diagnostics Conference
June 14-16, 2025, Nanjing, China



Draft Program

Robust diagnostics for enhanced animal health and food safety

June 14	Pre-conference Mini Symposium, on-site registration, poster set up, and exhibition opening
8:30am - Noon	<p>Mini symposium 1 - Swine disease diagnostics I (Sponsored by Guangzhou Yoyoung Biotech. Co., LTD.) <i>Chair: Jianqiang Zhang, Jianzhong Zhu</i></p> <p>8:30am - Refining genetic classification of PRRSV-1 based on global ORF5 sequences and investigating their geographic and temporal distributions, Jianqiang Zhang, Iowa State University</p> <p>9:00am - Update on African swine fever outbreaks and vaccine development in Vietnam, Le Van Phan, Vietnam National University of Agriculture</p> <p>9:30am - Application of New Detection Toolkit in the Prevention and Control Practice of PRRSV, Xueping Li, Guangzhou YOYOUNG Biotechnology Co., Ltd</p> <p>10:00am - Break</p> <p>10:30am - Application of NGS in the US swine industry, Giovanni Trevisan, Iowa State University</p> <p>11:00am - Immunological diagnosis of African swine fever and porcine reproductive and respiratory syndrome, Jianzhong Zhu, Yangzhou University</p> <p>11:30am - Construction of disease surveillance and monitoring systems for swine farms, Anding Zhang, Huazhong Agricultural University</p> <hr/> <p>Mini symposium 2 – Poultry disease diagnostics I <i>Chair: Jianmin Zhang, Mohamed El-Gazzar</i></p> <p>8:30am - Bacterial pathogens and their diverse role in poultry diseases, Mohamed El-Gazzar, Iowa State University</p> <p>9:00am - Current epidemiological characteristics and pathological diagnosis of the poultry diseases, Sidang Liu, Shandong Agricultural University</p> <p>9:30am - Sponsor Presentation (Invitation in progress)</p> <p>10:00am - Break</p> <p>10:30am - Pathogenicity and transmission studies of H5N1 and H9N2 avian influenza viruses, Honglei Sun, China Agricultural University</p> <p>11:00am - A novel monoclonal antibody differentiates highly pathogenic serotype 4 fowl adenovirus through targeting 188R in the Hexon, Jianqiang Ye, Yangzhou University</p> <p>11:30am - Research on precise intelligent detection technology for important poultry pathogens, Jianmin Zhang, South China Agricultural University</p>

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Mini symposium 3 – Ruminant disease diagnostics I

Chair: Chong Ma, Chuang Xu

8:30am - **Export diagnostics from a private practitioner's perspective – are these tests really the best and most helpful for your export requirements?** *Dr. Em Mowrer, Stonehouse Veterinary Service, LLC*

9:00am - **Epidemiological status and diagnostic techniques of lumpy skin disease in cattle**, *Changmin Hu, Huazhong Agricultural University*

9:30am - **Progress in the diagnosis and treatment of bovine endometritis**, *Chuang Xu, China Agricultural University*

10:00am - **Break**

10:30am - **Key points in the diagnosis and prevention of mastitis in dairy cows on intensive farms**, *Heng Wang, Yangzhou University*

11:00am - **Molecular epidemiology and pathogenicity of *Mycoplasma bovis* isolate in China**, *Zihao Pan, Nanjing Agricultural University*

11:30am - **Comprehensive analysis of calf diarrhea in China: pathogens, diagnostic strategies, and management approaches**, *Xin Yin, Harbin Veterinary Research Institute*

Mini symposium 4 – Selected student oral presentations

Chair: Jianfa Bai, Jane Christoper-Hennings

8:30am - **A universal light-regulated highly sensitive one-tube detection platform based on crRNA structural engineering for detection of H5N1 avian influenza in cattle**, *Jieyu Cui, Agricultural Genomics Institute at Shenzhen Chinese Academy of Agricultural Sciences*

8:45am - **Establishment and application of an indirect ELISA method for the detection of porcine reproductive and respiratory syndrome virus N protein**, *Wanyue Liu, China Agricultural University*

9:00am - **Development and application of a differentiating infected from vaccinated animals (DIVA)-compatible protein chip platform for dual detection of Seneca virus A VP2-VP3-VP1 and 3AB-3C antibodies in swine**, *Dexin Li, Yangzhou University*

9:15am - **Comparative study on DR imaging evaluation and Ceva lung program (CLP) scoring in *ex vivo* porcine lungs**, *Hongxiang Wang, Nanjing Agricultural University*

9:30am - **CRISPR-based rapid and precise differentiation of wild-type and vaccine strains of *Brucella***, *Lulu Zhang, Agricultural*

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	<p style="text-align: center;"><i>Genomics Institute at Shenzhen Chinese Academy of Agricultural Sciences</i></p> <p>9:45am - Sponsor Presentation (Invitation in progress)</p> <p>10:00am - Break</p> <p>10:30am - Establishment of a quantitative PCR detection method for differential of Brucella S2 vaccine strain, Mingming Xie, Inner Mongolia Agricultural University</p> <p>10:45am - Development and evaluation of immunoglobulin-binding-based ELISA for serological diagnosis of foot-and-mouth disease virus in domestic animals, Yiming Chang, Northeast Agricultural University</p> <p>11:00am - Establishment and application of a competitive chemiluminescent magnetic microparticle immunoassay for detection of the antibodies against Brucella, Guodong Song, Lanzhou Veterinary Research Institute</p> <p>11:15am - Development of a selected media for <i>Streptococcus agalactiae</i>, Shaoyan He, Nanjing Agricultural University</p> <p>11:30am - A novel high sensitive, specificity duplex enzyme-activated differentiating probes PCR method for the SNP detection and differentiation of MS-H vaccine strains from wild-type <i>Mycoplasma synoviae</i> strains, Ruidong Liu, South China Agricultural University</p> <p>11:45am - Q&A and Conclusion</p>
	<p>Mini symposium 5 – Workshop on PCR lab testing</p> <p>Instruction: <i>Guangjin Liu, Zongfu Wu</i></p> <p>Hosting Institution: Nanjing Agricultural University—OIE Reference Laboratory for <i>Streptococcus suis</i></p> <p>Training Content:</p> <ol style="list-style-type: none"> Key points for clinical sample collection qPCR principles and precautions: taking African Swine Fever and <i>Streptococcus suis</i> as examples Hands-on qPCR training: taking <i>Streptococcus suis</i> as an example <p>Duration: 3 hours</p> <p>Location: Room 4048, Yifu Building, Weigang Campus, Nanjing Agricultural University</p> <p>Participants: Group-based AVDC registrants, no more than 30 people in total</p> <p>(Now accepting sponsors)</p>
1:30pm -5:00pm	<p>Mini symposium 6 - Swine disease diagnostics II (Sponsored by Shanghai Janzy Biotechnology Co., Ltd.)</p> <p>Chair: <i>Giovani Trevisan, Wentao Li</i></p>

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	<p>1:30pm - The diagnostic process and integration of laboratory diagnostic data for epidemiological decisions, <i>Giovani Trevisan, Iowa State University</i></p> <p>2:00pm - Creation and breeding of gene edited pigs resistant to porcine reproductive and respiratory syndrome virus, <i>Kui Li, Agricultural Genomics Institute at Shenzhen, Chinese Academy of Agricultural Sciences</i></p> <p>2:30pm - Advantages of lyophilized reagents and their applications in swine disease diagnostics, <i>Bin Hu, Shanghai Janzy Biotechnology Co.,Ltd.</i></p> <p>3:00pm - Break</p> <p>3:30pm - Current epidemiological situation and research progress in diagnostic methods of porcine epidemic diarrhea, <i>Wentao Li, Huazhong Agricultural University</i></p> <p>4:00pm - Laboratory detection and surveillance of porcine reproductive and respiratory syndrome, <i>Zhendong Zhang, Yangzhou University</i></p> <p>4:30pm - Design of a disease monitoring and detection system for swine farms, <i>Kangning Zhao, Nanjing Agricultural University</i></p>
	<p>Mini symposium 7 – Poultry disease diagnostics II <i>Chair: Yipeng Sun, Liping Yan</i></p> <p>1:30pm - Avian metapneumovirus, yet another emerging disease in North America, <i>Mohamed El-Gazzar, Iowa State University</i></p> <p>2:00pm - Challenges and strategies for the prevention and control of H9N2 avian influenza, <i>Yipeng Sun, China Agricultural University</i></p> <p>2:30pm - Sponsor Presentation (<i>Invitation in progress</i>)</p> <p>3:00pm - Break</p> <p>3:30pm - Establishment and preliminary application of diagnostic methods for avian influenza virus, <i>Liping Yan, Nanjing Agricultural University</i></p> <p>4:00pm - Development and application of diagnostic technology for poultry immunosuppression diseases, <i>Yongqiang Wang, China Agricultural University</i></p> <p>4:30pm - Research on Newcastle disease epidemiology, detection and prevention technology, <i>Tao Ren, South China Agriculture University</i></p>
	<p>Mini symposium 8 – Ruminant disease diagnostics II <i>Chair: Chong Ma, Chuang Xu</i></p> <p>1:30pm - Small ruminants – not just a little cow! How to handle parasites and common diseases in these little critters, <i>Dr. Em Mowrer, Stonehouse Veterinary Service, LLC</i></p>

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	<p>2:00pm - Exploration of tuberculosis quarantine and purification plan for dairy farms, Jie Cao, China Agricultural University</p> <p>2:30pm - Sponsor Presentation (Invitation in progress)</p> <p>3:00pm - Break</p> <p>3:30pm - High prevalence of parasites in yaks (<i>Bos grunniens</i>) in Sichuan province, China, Lili Hao, Southwest Minzu University</p> <p>4:00pm - Investigation and analysis of etiology of bovine respiratory diseases in some regions of China, Zilong Cheng, Jiangsu Academy of Agricultural Sciences</p> <p>4:30pm - Current status of milk buffalo industry in Guangxi and diagnosis and treatment of common diseases in buffalo, Jiafeng Ding, Guangxi University</p>
	<p>Mini symposium 9 – Transboundary animal disease <i>Chair: Zhen Yang, Xiaoxu Fan</i></p> <p>1:30pm - Introduction of animal disease surveillance and alert program in China, Guoxia Bing, China Animal Disease Prevention and Control Center</p> <p>2:00pm - Current status and control measures of zoonotic Tuberculosis, Xiaoxu Fan, China Animal Health and Epidemiology Center</p> <p>2:30pm - Sponsor Presentation (Invitation in progress)</p> <p>3:00pm - Break</p> <p>3:30pm - The pathological diagnosis of transboundary wildlife diseases, Yunsheng Wang, Beijing Zoo</p> <p>4:00pm - Inference of true annual infection rate of bovine and sheep brucellosis based on data mining, Shubo Li, Liaoning Center for Animal Disease Prevention and Control</p> <p>4:30pm - Differential detection, prevalence and evolution of porcine reproductive and respiratory syndrome virus 1 in China, Nanhua Chen, Yangzhou University</p>
	<p>Mini symposium 10 – Aquatic animal disease diagnostics (Sponsored by ShenZhen ZhongKeTongHui Technology Co.,LTD) Disease Diagnosis and Prevention in Pacific white shrimp (<i>Litopenaeus vannamei</i>) <i>Chair: Fei Liu, Xihe Wan</i></p> <p>1:30pm - Major shrimp diseases and prevention, Jie Huang, Yellow Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences</p> <p>2:00pm - On-site rapid detection techniques for common diseases in Pacific white shrimp, Fei Liu, Nanjing Agricultural University</p> <p>2:30pm - Prevalent viral diseases and detection techniques in aquatic animals, Rui Yuan, Jiangsu Province Fisheries Technology Extension Station</p>

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	<p>3:00pm - Break</p> <p>3:20pm - Construction and operation of healthy shrimp seedling screening system for disease prevention, <i>Xihe Wan, Jiangsu Marine Fisheries Research Institute</i></p> <p>3:50pm - Development of a visual detection method for large yellow croaker iridovirus based on CRISPR/Cas12a technology, <i>Zhen Tao, Zhejiang Ocean University</i></p> <p>4:20pm - Development of a Pathogen Surveillance and Early Warning System Based on Aquaculture Water, <i>Dan Xu, Shanghai Ocean University</i></p>			
June 15	Opening and Plenary Sessions			
8:30am	Opening: 2 Deans speech, 1 gov, AVDC members Introduction, Sci, Industry members, CAU president			
9:00am	Plenary talk 1 – Avian influenza epidemic status in China and development directions of related veterinary detection technologies , <i>Ming Liao, Zhongkai University of Agriculture and Engineering</i>			
9:40am	Plenary talk 2 – The future of veterinary diagnostics: How AI is changing the game , <i>Derick Whitley, Micropath Solutions and Oklahoma State University</i>			
10:20am	Coffee/Tea Break			
10:35am	Hot topics 1 – Avian influenza and differential diagnoses , <i>Francisco (Paco) Uzal, University of California-Davis</i>			
11:10am	Hot topics 2 – AI as an aid in the veterinary diagnostic laboratory , <i>Lin Yuan, Sino-Science Gene</i>			
11:45am	Q&A			
Noon - 1:30pm	Lunch, Visit the exhibition			
1:30pm -3:00pm (Aquatic Animal Disease Diagnostics starts at 1:00pm)	<p>Molecular Diagnostics 1 (Sponsored by MGI Tech Co., Ltd) <i>Chair: Suphot Wattanapansak</i></p> <p>1:30pm -Extraction free PCR technology, <i>Fuhao Fan, Agriculture Breeding Pig Quality Supervision, Inspection</i></p>	<p>Virology/Serology 1 <i>Chair: Jianqiang Zhang</i></p> <p>1:30pm -PCR detection frequency and virus isolation of avian metapneumovirus subtypes A and B in the USA, <i>Jianqiang Zhang, Iowa State University</i></p>	<p>Microbiology 1 <i>Chair: Zongfu Wu</i></p> <p>1:30pm- <i>Streptococcus suis</i> diagnosis, <i>Zongfu Wu, Nanjing Agricultural University</i></p> <p>2:00pm -Research progress</p>	<p>Aquatic Animal Disease Diagnostics</p> <p>Opening Session and International Exchange of the Public Online Learning Platform for Experimental Pathology <i>Co-Chair: Chunxia Ma,</i></p>

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	<p><i>and Testing Center (Guangzhou)</i></p> <p>2:00pm -Molecular diagnostic typing for <i>Streptococcus suis</i>, <i>Suphot Wattanapansak, Chulalongkorn University</i></p> <p>2:30pm - Research and industrial applications of fully integrated intelligent automation in animal epidemic prevention and control, <i>Dou Hu, MGI Tech Co., Ltd</i></p>	<p>2:00pm -PCV3 antibody detection in multispecies serum samples using a double-antigen sandwich ELISA, <i>Xiangdong Li, Yangzhou University</i></p> <p>2:30pm -Sponsor Presentation <i>(Invitation in progress)</i></p>	<p>on diagnostic technology of animal trypanosomiasis, a neglected vector-borne disease, <i>Cheng Du, Harbin Veterinary Research Institute</i></p> <p>2:30pm-Sponsor Presentation <i>(Invitation in progress)</i></p>	<p><i>Xiaodan Huang</i></p> <p>1:00pm-1:20pm Opening speech: <i>Frank Liu, University of Minnesota</i></p> <p>Report on the 2024 -2025 work plan of open online learning platform for experimental pathology, <i>Yi Jin, Shenzhen Institute of Pharmaceutical Inspection (Shenzhen Testing Center of Medical Devices)</i></p> <p>Aquatic animal pathology and pharmacology public welfare network training platform construction and development planning, <i>Xiaoli Huang, Sichuan Agricultural University</i></p> <p>1:30pm- The international veterinary pathology program of the Davis-Thompson Foundation,</p>
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				<p><i>Francisco (Paco) Uzal, University of California, Davis</i></p> <p>Aquatic Animal Disease Diagnostics <i>Co-Chair: Youlu Su, Yanming Sun</i></p> <p>1:50pm - Immuno-biological control of important viral diseases in marine cultured fish, <i>Qiwei Qin, South China Agricultural University</i></p> <p>2:10pm - An overview of the biological and ecological security risks of marine viruses, <i>Qingli Zhang, Yellow Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences</i></p> <p>2:30pm - Establishment of chain stores of aquatic disease diagnosis laboratories and early warning of aquatic animal</p>
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				<p>diseases, Haiqing Wang, Guangzhou Double Helix Gene Technology Co., Ltd.</p> <p>2:50pm - Technical innovations and applications of the desktop fully automatic dropping, HE staining & coverslipping integrated machine, Zhenghao Zhou, Guangdong Jinqian Medical Technology Co., Ltd.</p>
3:00pm -3:30pm	Coffee/Tea Break, Visit the exhibition			
3:30pm -4:30pm	Strategic partner session (Invitation in progress)			
4:30pm -5:00pm	Strategic partner session (Invitation in progress)			
5:00pm -5:30pm	Award ceremony for student oral and poster presentations			
6:00pm -8:00pm	Dinner			
June 16				
8:30am -noon Breakout sessions	New Technologies in Veterinary Diagnostics <i>Chair: Fei Liu</i> 8:30am - Using CRISPR as a broad spectrum pan-genus therapeutic to rapidly respond to viral threats: a case study for African Swine	AI Applications in Epidemiology and Diagnostic Data Analysis <i>Chair: Wei Zhang</i> 8:30am - From tissue to image: Emerging slide free histology techniques , Derick Whitley, Micropath Solutions and	Lab Safety and Quality Assurance <i>Chair: Richard French</i> 8:30am - Quality control/assurance in the veterinary diagnostic laboratory , Jane Christopher-Hennings, South Dakota State	Veterinary Pathology <i>Co-Chair: Xiangmei Zhou, Xijun He</i> 8:00am - Public platform for experimental pathology: review, planning, and prospects for comparative

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	<p>Fever and beyond, Douglas Gladue, Seeklabs</p> <p>9:00am - Study on rapid on-site detection technologies for several major swine pathogens, Fei Liu, Nanjing Agricultural University</p> <p>9:30am - Sponsor Presentation (Invitation in progress)</p>	<p>Oklahoma State University</p> <p>9:00am - Real time animal infection disease diagnosis based on computer vision, Wei Zhang, Nanjing Agricultural University</p> <p>9:30am - Sponsor Presentation (Invitation in progress)</p>	<p>University</p> <p>9:00am - Proficiency testing: evaluating your laboratory networks, Richard French, Global Animal Health Partners, LLC</p> <p>9:30am-Sponsor Presentation (Invitation in progress)</p>	<p>pathology cases, Chen-Hsuan Liu, National Taiwan University</p> <p>8:30am - Comprehensive diagnosis of clinical cases of epidemic pig diseases, Sidang Liu, Shandong Agricultural University</p> <p>8:50am - Thoughts on promoting the development and application of pigeon medicines, Yuehuan Liu, Institute of Animal Husbandry and Veterinary Medicine, Beijing Academy of Agriculture and Forestry Sciences</p> <p>9:10am - Application of Pathological Diagnosis in Aquaculture Industry and aquatic animal research, Xi Peng, Chengdu University</p> <p>9:30am - Study on the</p>
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				<p>pathogenic mechanism of liver cell damage caused by <i>Echinococcus granulosus</i>, Shaohua Zhai, Xinjiang Agricultural University</p> <p>9:50am – Integrated smart digital pathology solutions empowering high-quality development in research pathology, Jianan Zhu, Dakewe Biotech Co., Ltd.</p>
10:00am -10:30am	Coffee/Tea Break, Visit the exhibition			
	<p>10:30am - Advances in mRNA vaccine research for porcine viral diarrhea, Bin Li, Jiangsu Academy of Agricultural Sciences</p> <p>11:00am - Ultra-sensitive, fast, real-time monitoring ASFV detection using novel p30 monoclonal antibody conjugated graphene field-effect transistor, Yong Sam Jung, Nanjing Agricultural University</p> <p>11:30am - Vision-sensing enabled intelligent detection</p>	<p>10:30am - Application of machine learning for identification and prediction of bacterial antibiotic resistance, Lu Wang, China Agricultural University</p> <p>11:00am - Application of artificial intelligence technology in veterinary diagnosis, Fangzhou Chen, Guangdong Evergreen Conglomerate Co., Ltd</p> <p>11:30am - Intelligent monitoring and evaluation of sub-health status in laying</p>	<p>10:30am - Biosafety measures for zoonotic disease prevention: risk control and protective practices from laboratory to field, Xiaoxu Fan, China Animal Health and Epidemiology Center</p> <p>11:00am - Selection and quality control of veterinary diagnostic reagents, Liting Qin, Qingdao Jiazhi Biotechnology Co. Ltd</p> <p>11:30am - Key points for biosafety management in</p>	<p>Toxicology Pathology <i>Co-Chair: Wenxia Bai, Xiaoyu Li</i></p> <p>10:30am - The current situation and problems of GLP development in China, Bojun Yuan, Naval Medical University</p> <p>10:50am - Exploration and application of intraocular drug delivery technology, Limei Wang, Guangzhou Bay Area Institute of Biomedicine</p>

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	technology for rapid screening of livestock and poultry diseases , Minghui Wu, Nanjing Agricultural University	hens based on multi-source data fusion , Wen Yao, Nanjing Agricultural University	veterinary diagnostic laboratories , Yuntao Guan, Harbin Veterinary Research Institute	<p>11:10am - Mechanism of gavage-related reflux in rats and its identification in non-clinical studies, Jianting Hu, New Drug Evaluation Center of Shandong Academy of Pharmaceutical Sciences</p> <p>11:30am - Case sharing of pulmonary lesions in nonclinical safety evaluation of drug, Qin Yang, Beijing Union-Genius Pharmaceutical Technology Ltd</p> <p>11:50am - The history and future prospects of experimental pathology: a bridge and bond for interdisciplinary collaboration, Xiuling Yu, National Research Center for Veterinary Medicine</p> <p>12:20am - AI leading the future: implementation of smart digital pathology, Ziyi Wu, Shenzhen Shengqiang</p>
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				Technology Co., Ltd.
Noon	Lunch, Visit the Exhibition & Poster			
1:30pm -4:30pm Breakout Sessions	Molecular Diagnostics 2 <i>Chair: Jane Christopher-Hennings</i> 1:30pm - Development of a PCR panel assay for canine respiratory pathogen detections , Jianfa Bai, Kansas State University 2:00pm – Detection and molecular characterization of ASFV variants circulating in Vietnam , Le Van Phan, Vietnam National University of Agriculture 2:30pm - Sponsor Presentation (Invitation in progress)	Microbiology 2 <i>Chair: Yuefeng Chu</i> 1:30pm - Protective mechanisms and efficacy evaluation of bacterial vaccines against invasive infections , Juanjuan Wang, China Agricultural University 2:00pm - Diagnosis and control of contagious caprine pleuropneumonia , Yuefeng Chu, Lanzhou Veterinary Research Institute 2:30pm - Sponsor Presentation (Invitation in progress)	Virology/Serology 2 <i>Chair: Jianqiang Zhang, Jianhan Lin</i> 1:30pm - The use of immunoperoxidase for detection and quantification of IgG and IgA level in sow colostrum after exposure to PEDV and ASFV , Suphot Wattanapansak, Chulalongkorn University 1:55pm - Efficient enrichment and rapid detection of animal pathogens , Jianhan Lin, China Agricultural University 2:20pm - Multivalent nanobody-based sandwich ELISA for sensitive detection of PRRS virion , Tongqing An, Harbin Veterinary Research Institute 2:40pm- Sponsor Presentation	Experimental Pathology (Sponsored by Shenzhen Shengqing Technology Co., Ltd.、Guangdong Jinquan Medical Technology Co., Ltd.、Shenzhen Dakewe medical Technology Co.,Ltd.) <i>Co-Chair: Lingxia Han, Zhendong Zhong</i> 1:30pm - Establishment and application of a mouse model of tuberculous meningoencephalitis , Xiangmei Zhou, China Agricultural University 2:00pm - The involvement of post-translational modifications in tumor immunity of lung cancer , Liang Weng, Peking University 2:20pm - Histopathological changes of the kidney and spleen in goslings infected with goose astrovirus type 2.

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			(Invitation in progress)	<p>Yingjun Lv, Nanjing Agricultural University</p> <p>2:40pm - Study on the safety and feasibility of intranasal administration of canine immortalized adipose-derived mesenchymal stem cells, Xueying Zhou, China Agricultural University</p>
3:00pm- 3:15pm	Coffee/Tea Break, Visit the Exhibition & Poster			
	<p>3:15pm - Development and application of on-site detection kits for quadruple nucleic acids of FMDV, BVDV, IBRV, and BCoV, Bin Zhang, Southwest Minzu University</p> <p>3:45pm – TBD</p>	<p>3:15pm – Pathogenesis and diagnostic techniques of clostridial diseases in cattle and sheep, Lihua Xu, Ningxia University</p> <p>3:45pm - Establishment of a differential diagnostic method for <i>Brucella</i> Rev.1 attenuated vaccine, Wenlong Wang, Inner Mongolia Agricultural University</p>	<p>3:15pm - Epidemiology of porcine respiratory coronavirus (PRCV) and pathogenesis of PRCV/NM isolates, Pinghuang Liu, China Agricultural University</p> <p>3:40pm - Establishment and preliminary application of detection method for equine serum, Zhe Hu, Harbin Veterinary Research Institute</p> <p>4:05pm - Development and application of an antigen capture ELISA for the detection of enzootic nasal tumor virus based on capsid protein, Xuefeng Wang,</p>	<p>Companion and Wild Animal Pathology Co-Chair: Chen-Hsuan Liu, Dan He</p> <p>3:15pm - Pitfalls in the pathological diagnosis of mammary tumors in small animals, Xijun He, Harbin Veterinary Research Institute</p> <p>3:40pm - The current situation and clinical needs of veterinary pathological diagnosis guiding tumor treatment in pets, Wenqi He, Jilin University</p> <p>4:00pm - Pathological</p>

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			Harbin Veterinary Research Institute	analysis of spontaneous tumors in giant pandas, <i>Zhengli Chen, Sichuan Agricultural University</i> 4:20pm - Application of canine p63 monoclonal antibody in the diagnosis of mammary tumors, <i>Yu Kuang, China Agricultural University</i> 4:40pm - Diagnosis of two common bacterial diseases in kangaroos, <i>Jinling Wang, Inner Mongolia Agricultural University</i> 5:00pm - Ancient imprints of antipathogen immunity in teleosts: a single-cell atlas of granulomas, <i>Tao Liu, Northwest A&F University</i> 5:20pm -5:30pm Closing Remarks, <i>Yi Jin, Shenzhen Institute of Pharmaceutical Inspection</i>
4:30pm -5:00pm	Q&A and Conclusion			