

Timetable

| Program on the 1st day (Sep 8th, Sunday) | | |
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| Time | Lecture Hall (1st floor) | Lecture Room (1st floor) |
| 8:00 – 18:30 | Reception | |
| 9:00 – 9:45 | Opening ceremony | |
| 9:45 – 10:30 | Special lecture “Transboundary infectious diseases” 1 Hirofumi Kugita (Regional Representation for Asia and the Pacific, WOAH) | |
| 10:45 – 11:30 | Special lecture “Transboundary infectious diseases” 2 Yoshihiro Sakoda (Hokkaido University, JSVS) | |
| 11:30 – 14:15 | Lunch time Board meeting of Trilateral consortium (KSVS, CSVS, and JSVS) at Building 1 | |
| 12:30 – 14:00 | Core time for poster session at Kashiwa Plaza (1st floor) | |
| 14:15 – 15:15 | Symposium-1 “Metabolic adaptation of animals to their environment” Yuko Okamatsu (Hokkaido University, JSVS), Jeongho Park (Kangwon National University, KSVS), Jyhmirn Lai (National Chiayi University, CSVS) | Oral presentation (14:15–18:15) O1-01 to 19: Preventive Veterinary Science |
| 15:25 – 16:25 | Symposium-2 “Clinical research: Frontiers of regenerative medicine in animals” Kazuya Edamura (Nihon University, JSVS), Hwa-Young Youn (Seoul National University, KSVS), Cheng-Shu Chung (National Pingtung University of Science and Technology, CSVS) | O2-01 to 03: Applied Veterinary Science-1 |
| 16:35 – 17:35 | Symposium-3 “Toward the control of antimicrobial resistance” Masaru Usui (Rakuno Gakuen University, JSVS), Jang Won Yoon (Kangwon National University, KSVS), Kuang-Sheng Yeh (National Taiwan University, CSVS) | |
| 18:45 – | Shuttle bus; Obihiro Univ. → Obihiro sta. → The reception venue. | |
| 19:30 – | Reception (Welcome dinner) | |

Timetable

| Program on the 2nd day (Sep 9th, Monday) | | |
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| Time | Lecture Hall (1st floor) | Lecture Room (1st floor) |
| 8:00 – 12:30 | Reception | |
| 8:30 – 9:30 | Symposium-4 “Transboundary animal infectious diseases-1 : Foot-and-mouth disease” Kazuki Morioka (National Institute of Animal Health, JSVS), Won Hyung Lee (XP BIO INC., 22nd President of IPVS, KSVS), Cheng-Ju Pan (Veterinary Research Institute, Ministry of Agriculture, CSVS) | Oral presentation (8:30–10:40) O2-04 to 07: Applied Veterinary Science-2 |
| 8:45 – 9:15 | Meeting of KSVS, CSVS, and JSVS committee members with the president of Obihiro University of Agriculture and Veterinary Medicine at Administration Building | O3-01 to 02: Basic Veterinary Science |
| 9:40 – 10:40 | Symposium-5 “Transboundary animal infectious diseases-2 : African swine fever and classical swine fever” Tomoya Kitamura (National Institute of Animal Health, JSVS) Sang-Ik Oh (Jeonbuk National University, KSVS), Chia-Yu Chang (National Chung Hsing University, CSVS), Chia-Yi Chang (National Taiwan University, CSVS) | O4-01 to 06: Clinical Veterinary Science |
| 10:45 – 11:30 | Award and closing ceremony | |
| 12:45 – 16:30 | Shuttle bus; Obihiro Univ. → Obihiro sta. or Excursion (local bakery, ice cream shop, and Ban'ei horse racing park) | |

Program

Special lecture 1 Transboundary infectious diseases-1

Sep 8th Sun, 2024

9:45 - 10:30

Lecture Hall

Chair: Hisashi Inokuma (The meeting chair, JSVS president, The University of Tokyo)

- L-01 Situation of transboundary animal diseases in the Asia-Pacific and key initiatives by international organisations to control diseases** 40

Japan ○ Hirofumi Kugita

Regional Representative for Asia and the Pacific, World Organisation for Animal Health (WOAH)

Special lecture 2 Transboundary infectious diseases-2

Sep 8th Sun, 2024

10:45 - 11:30

Lecture Hall

Chair: Kyung-Chul Choi (Chungbuk National University, KSVS)

- L-02 Control of avian influenza in the East Asian region** 42

Japan ○ Yoshihiro Sakoda^{1,2,3,4,5)}

¹⁾Faculty of Veterinary Medicine, Hokkaido University,

²⁾International Collaboration Unit, International Institute for Zoonosis Control, Hokkaido University,

³⁾Hokkaido University Institute for Vaccine Research and Development,

⁴⁾One Health Research Center, Hokkaido University,

⁵⁾World Reference Laboratory for Avian Influenza, World Organization of Animal Health

Symposium-1 Metabolic adaptation of animals to their environment

Sep 8th Sun, 2024

14:15 - 15:15

Lecture Hall

Chair: Yoshihiro Shimoji (Vaxxinova Japan K.K., JSVS)

- S1-01 The role of the nutritional environment during pre-weaning period in the development and function of adipose tissue.....** 44

Japan ○ Yuko Okamatsu-Ogura

Laboratory of Biochemistry, Faculty of Veterinary Medicine, Hokkaido University

- S1-02 The impact of fowl adenovirus-4 (FAdV-4) priming on T cell differentiation in aged mice** 46

Korea ○ Jeongho Park, Rangyeon Lee

Kangwon National University

- S1-03 Impacts of a reduction strategy against avian leukosis in a colored broiler farm—a cohort study.....** 48

Taiwan ○ Jyhmirn Lai¹⁾, Szu-Wei Huang¹⁾, Szu-Wen Wang²⁾

¹⁾National Chiayi University, ²⁾Biogreen Technology Co., Ltd.

Symposium-2 Clinical research: Frontiers of regenerative medicine in animals

Sep 8th Sun, 2024

15:25 - 16:25

Lecture Hall

Chair: Jyhmirn Lai (National Chiayi University, CSVS)

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| S2-01 | Generation of clinical grade canine induced pluripotent stem cells and attempts to social implementation..... | 50 |
|--------------|--|----|

Japan ○ Kazuya Edamura

Nihon University

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| S2-02 | The prospect of stem cell therapy in companion animals..... | 52 |
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Korea ○ Hwa Young Youn

College of Veterinary Medicine, Seoul National University

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| S2-03 | Current clinical strategies in veterinary regenerative medicine..... | 54 |
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Taiwan ○ Cheng-Shu Chung

National Pingtung University of Science and Technology

Symposium-3 Toward the control of antimicrobial resistance

Sep 8th Sun, 2024

16:35 - 17:35

Lecture Hall

Chair: Yongbaek Kim (Seoul National University, KSVS)

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| S3-01 | Current status of animal-origin antimicrobial-resistant bacteria from a One Health perspective | 56 |
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Japan ○ Masaru Usui

Rakuno Gakuen University

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| S3-02 | Peptide-peptide nucleic acids: another way to control antimicrobial-resistant bacterial pathogens | 58 |
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Korea ○ Jang Won Yoon

Kangwon National University

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| S3-03 | Characteristics of extended-spectrum-β-lactamase (ESBL)-producing <i>Escherichia coli</i> isolated from healthy and diseased farm animals | 60 |
|--------------|--|----|

Taiwan ○ Kuang-Sheng Yeh¹⁾, Nan-Ling Kuan^{1,2)}

¹⁾Department of Veterinary Medicine, School of Veterinary Medicine, National Taiwan University,

²⁾Biology Division, Veterinary Research Institute, Ministry of Agriculture, Taiwan

Symposium-4 Transboundary animal infectious diseases-1 : Foot-and-mouth disease

Sep 9th Mon, 2024

8:30 - 9:30

Lecture Hall

Chair: Haruko Ogawa (Obihiro University of Agriculture and Veterinary Medicine, JSVS)

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| S4-01 | Research for the control of foot-and-mouth disease in Japan | 62 |
|--------------|--|----|

Japan ○ Kazuki Morioka, Rie Kawaguchi, Tatsuya Nishi, Katsuhiko Fukai

National Institute of Animal Health, NARO

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| S4-02 | Overview of FMD outbreaks, impacts and control efforts in Korea | 64 |
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Korea ○ Won Hyung Lee

XP Bio Inc.

S4-03 Surveillance of foot-and-mouth disease during 2021 to 2023 in Taiwan 66

Taiwan ○ Cheng-ju Pan

Veterinary Research Institute, Ministry of Agriculture, Taiwan

**Symposium-5 Transboundary animal infectious diseases-2
: African swine fever and classical swine fever****Sep 9th Mon, 2024****9:40 - 10:40****Lecture Hall****Chair: Kuang-Sheng Yeh (National Taiwan University, CSVS)****S5-01 Research for the control of African swine fever and classical swine fever in Japan 68**

Japan ○ Tomoya Kitamura

National Institute of Animal Health, National Agriculture and Food Research Organization

S5-02 Dynamic transcriptional responses in pigs during early African swine fever virus infection..... 70Korea ○ Sang-Ik Oh¹⁾, Sunirmal Sheet²⁾, Vuong Nghia Bui³⁾, Duy Tung Dao³⁾, Ngoc Anh Bui³⁾, Bumseok Kim¹⁾, Hu Suk Lee⁴⁾, Ara Cho²⁾, Dajeong Lim⁴⁾¹⁾Jeonbuk National University, ²⁾National Institute of Animal Science, ³⁾National Institute of Veterinary Research,⁴⁾Chungnam National University**S5-03 Decoding African swine fever: virus characteristics, epidemiology, and vaccine advances 72**

Taiwan ○ Chia-Yu Chang

Department of Veterinary Medicine, College of Veterinary Medicine, National Chung Hsing University

S5-04 Competition between CSFV genotype 2.1 and 3.4 strains in the presence of early immunity induced by modified live vaccine 75

Taiwan ○ Chia-Yi Chang

School of Veterinary Medicine, National Taiwan University

Oral presentation-1 Preventive Veterinary Science**Sep 8th Sun, 2024****14:15 - 18:15****Lecture Room****Chair: In Koo Hwang (Seoul National University, KSVS)****O1-01* Investigating autofluorescent factors in amyloid-β lesions in squirrel monkeys..... 78**

Japan ○ Kenta Owaku, Ryohei Oba, Tomoaki Murakami

Laboratory of Veterinary Toxicology, Tokyo University of Agriculture and Technology

O1-02* Aldh2*2 knock-in mice show different susceptibility to hepatotoxicity induced by allyl alcohol and acetaminophen 79

Japan ○ Yuki Takami, Jun Nakamura, Miyuu Tanaka, Mitsuru Kuwamura, Takeshi Izawa

Laboratory of Veterinary Pathology, Osaka Metropolitan University

O1-03* Pathophysiological studies on juvenile sea turtles affected by entamoebiasis..... 80Japan ○ Raki Suenaga¹⁾, Natsuki Katayama¹⁾, Eri Nakashima³⁾, Hayato Hamano²⁾, Manabu Yamada²⁾, Kenichi Watanabe²⁾, Kaho Mizuochi³⁾, Isao Kawazu³⁾, Keiichi Ueda³⁾, Shinya Fukumoto¹⁾¹⁾National Research Center for Protozoan Diseases, Obihiro University,²⁾Department of Basic Veterinary Medicine, Obihiro University, ³⁾Okinawa Churaumi Aquarium

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| O1-04* | Developing effective vaccines against <i>Streptococcus iniae</i> infection in four-finger threadfin <i>Eleutheronema tetradactylum</i> | 81 |
| Taiwan | ○Yin-Ze Shi ¹⁾ , Pei-Chi Wang ¹⁾ , Shih-Chu Chen ^{1,2)} | |
| | ¹⁾ Department of Veterinary Medicine, National Pingtung University of Science and Technology, | |
| | ²⁾ General Research Service Center, National Pingtung University of Science and Technology | |

Chair: Chia-Yi Chang (National Taiwan University, CSVS)

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| O1-05* | Exploration of viral pathogens in swine encephalitis of unknown etiology in South Korea | 82 |
| Korea | ○Jun-Soo Park ¹⁾ , Chan-Gi Jeong ¹⁾ , Young-Sik Kim ¹⁾ , Eun-Jee Na ¹⁾ , Su-Beom Chae ¹⁾ , Sun-Young Kim ¹⁾ , Young-Sun Sung ¹⁾ , Serin Sin ¹⁾ , Byungkwan Oh ²⁾ , Jae-Ku Oem ¹⁾ | |
| | ¹⁾ Laboratory of Veterinary Infectious Disease, College of Veterinary Medicine, Jeonbuk National University, | |
| | ²⁾ Biosafety Research Institute and College of Veterinary Medicine, Jeonbuk National University | |

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| O1-06 | Detection of various viruses from bats in Japan | 83 |
| Japan | Miyuka Nishizato ¹⁾ , Urara Imai ¹⁾ , Chisato Shigenaga ¹⁾ , Saki Mitsunaga ¹⁾ , Kazuki Kiuno ¹⁾ , Masato Hiyama ³⁾ , Takashi Murakami ²⁾ , Daisuke Hayasaka ¹⁾ , ○Hiroshi Shimoda ¹⁾ | |
| | ¹⁾ Yamaguchi University, ²⁾ Cultural Property Protection Division, Board of Education, Mine City Office, | |
| | ³⁾ Livestock Clinic, Iki City Office | |

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| O1-07* | Development and application of chimeric virus derived from the vGPE⁻ vaccine strain for classical swine fever marker vaccine | 84 |
| Japan | ○Loc Tan Huynh ¹⁾ , Norikazu Isoda ^{1,2,3,4)} , Eun-Ju Sohn ⁵⁾ , Youngmin Park ⁵⁾ , Juhun Kim ⁵⁾ , Mikihiko Otsuka ⁶⁾ , Lim Yik Hew ¹⁾ , Maya Kobayashi ¹⁾ , Taksoo Kim ¹⁾ , Tatsuya Nishi ⁷⁾ , Katsuhiko Fukai ⁷⁾ , Takahiro Hiono ^{1,2,3,4)} , Sung-Hee Hong ⁸⁾ , Ha-Na Lee ⁸⁾ , Yoshihiro Sakoda ^{1,2,3,4)} | |
| | ¹⁾ Laboratory of Microbiology, Faculty of Veterinary Medicine, Hokkaido University, | |
| | ²⁾ One Health Research Center, Hokkaido University, | |
| | ³⁾ International Collaboration Unit, International Institute for Zoonosis Control, Hokkaido University, | |
| | ⁴⁾ Hokkaido University Institute for Vaccine Research and Development (HU-IVReD), Hokkaido University, | |
| | ⁵⁾ BioApplications, Inc., | |
| | ⁶⁾ The Gifu Hida Livestock Hygiene Service Center, | |
| | ⁷⁾ Kodaira Research Station, National Institute of Animal Health, National Agriculture and Food Research Organization, | |
| | ⁸⁾ Celltrix Co., Ltd. | |

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| O1-08* | Signal sequence contributions to the efficacy of PEDV subunit vaccines: mechanistic insights and immunological benefits | 85 |
| Taiwan | ○Haroon Afzal, Li-Ting Cheng | |
| | National Pingtung University of Science and Technology | |

Chair: Taisuke Horimoto (The University of Tokyo, JSVS)

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| O1-09* | Insights into potential pathogenic mechanisms of rescued porcine circovirus type 3 | 86 |
| Taiwan | ○Chia-Chun Chang ¹⁾ , Ching-Ying Wu ¹⁾ , Chi-Ming Wu ²⁾ , Po-Ya Chang ¹⁾ , Yi-Chen Wang ¹⁾ , Maw-Sheng Chien ²⁾ , Chienjin Huang ¹⁾ | |
| | ¹⁾ Graduate Institute of Microbiology and Public Health, College of Veterinary Medicine, National Chung Hsing University, | |
| | ²⁾ Graduate Institute of Veterinary Pathobiology, College of Veterinary Medicine, National Chung Hsing University | |

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| O1-10* | Comparative immunopathological evaluation of NADC34-like PRRSV in weaned piglet model | 87 |
| Korea | ○Seung-Chai Kim ¹⁾ , Hwan-Ju Kim ¹⁾ , Sang Chul Kang ²⁾ , Aarif Rasool ¹⁾ , Won-II Kim ¹⁾ | |
| | ¹⁾ College of Veterinary Medicine, Jeonbuk National University, | |
| | ²⁾ Optipharm Inc. | |

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| O1-11* | Evaluation of modified live vaccine efficacy against NADC34-like PRRSV in a weaned pig model..... | 88 |
| Korea | ○Hwan-Ju Kim, Seung-Chai Kim, Won-Il Kim College of Veterinary Medicine, Jeonbuk National University | |
| O1-12 | Molecular characterization and cross reactions of the novel recombinant Muscovy duck parvovirus and classical waterfowl parvoviruses..... | 89 |
| Taiwan | ○Yu-Chen Hsu ¹⁾ , Kuang-Po Li ²⁾ , Hua Yen ¹⁾ , Shan-Chia Ou ¹⁾ ¹⁾ Graduate Institute of Microbiology and Public Health, College of Veterinary Medicine, National Chung Hsing University, ²⁾ Graduate Institute of Veterinary Pathobiology, College of Veterinary Medicine, National Chung Hsing University | |
| Chair: Cheng-Ju Pan (Veterinary Research Institute, Ministry of Agriculture, CSVS) | | |
| O1-13* | Loss of N-glycosylations in the neuraminidase stalk enhanced pathogenicity of an H7N7 high pathogenicity avian influenza virus in chickens | 90 |
| Japan | ○Daiki Kobayashi ¹⁾ , Takahiro Hiono ^{1,2,3,4)} , Hiromu Arakawa ⁵⁾ , Hiroyuki Kaji ⁵⁾ , Ayako Ohkawara ¹⁾ , Takaya Ichikawa ¹⁾ , Hinako Ban ¹⁾ , Norikazu Isoda ^{1,2,3,4)} , Yoshihiro Sakoda ^{1,2,3,4)} ¹⁾ Laboratory of Microbiology, Department of Disease Control, Faculty of Veterinary Medicine, Hokkaido University, ²⁾ One Health Research Center (OHRC), Hokkaido University, ³⁾ Institute for Vaccine Research and Development (IVReD), Hokkaido University, ⁴⁾ International Collaboration Unit, International Institute for Zoonosis Control, Hokkaido University, ⁵⁾ Systems Biology Division, Institute for Glyco-core Research (iGCORE), Nagoya University | |
| O1-14* | Efficacy of live recombinant NDV vaccines of clade 2.3.4.4b H5 HA against HPAI in SPF chickens, broilers, and ducks..... | 91 |
| Korea | ○Deok-Hwan Kim ^{1,2)} , Andrew Y Cho ¹⁾ , Sungsu Youk ³⁾ , Chang-Seon Song ^{1,2)} ¹⁾ Konkuk University, ²⁾ KHAV, ³⁾ Chungbuk University | |
| O1-15* | Increased pathogenicity of severe fever with thrombocytopenia syndrome virus in the presence of tick salivary gland extract | 92 |
| Korea | ○Byungkwan Oh ¹⁾ , Gaeul Ham ¹⁾ , Md. Samiul Haque ¹⁾ , Daram Yang ¹⁾ , Dongseob Tark ²⁾ , Myung Jo You ¹⁾ , Sang-Ik Oh ¹⁾ , Bumseok Kim ¹⁾ ¹⁾ Biosafety Research Institute and College of Veterinary Medicine, Jeonbuk National University, ²⁾ Laboratory for Infectious Disease Prevention, Korea Zoonosis Research Institute, Jeonbuk National University | |
| O1-16 | Urine from cats with severe fever with thrombocytopenia syndrome could be an infectious source..... | 93 |
| Japan | ○Hirohisa Mekata ¹⁾ , Yasuyuki Kaneko ²⁾ , Kentaro Yamada ³⁾ , Tamaki Okabayashi ¹⁾ , Akatsuki Saito ³⁾ ¹⁾ Center for Animal Disease Control, University of Miyazaki, ²⁾ Veterinary Teaching Hospital, Faculty of Agriculture, University of Miyazaki, ³⁾ Department of Veterinary Science, Faculty of Agriculture, University of Miyazaki | |

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| O1-17* | Characterization and phylogenetic analysis of feline caliciviruses isolated from cats in two districts in Hokkaido during 2022–2023 | 94 |
| Japan | ○ Hiep Dinh Nguyen ¹⁾ , Yohei Takeda ^{1,2)} , Naoyoshi Muroya ³⁾ , Shohei Yasui ⁴⁾ , Akiko Komori ⁴⁾ , Haruko Ogawa ¹⁾ | |
| | ¹⁾ Department of Veterinary Medicine, Obihiro University of Agriculture and Veterinary Medicine, | |
| | ²⁾ Research Center for Global Agromedicine, Obihiro University of Agriculture and Veterinary Medicine, | |
| | ³⁾ Muroya Animal Hospital, ⁴⁾ Akagera Animal Hospital | |
| O1-18* | Association between BoLA-DRB3 polymorphism and the number of the integration site in BLV-induced lymphoma cattle..... | 95 |
| Japan | ○ Noriko Fukushi ¹⁾ , Meripet Polat Yamanaka ^{1,2)} , Ryosuke Matsuura ^{1,2)} , Sonoko Watanuki ^{1,2)} , Yasunobu Matsumoto ^{1,3)} , Yuki Matsumoto ²⁾ , Toshie Wakamatsu ²⁾ , Keisuke Fukumoto ⁴⁾ , Shin-nosuke Takeshima ^{2,5)} , Yoko Aida ^{1,2)} | |
| | ¹⁾ Laboratory of Global Infectious Disease Control, Graduate School of Agricultural and Life Sciences, The University of Tokyo, | |
| | ²⁾ Viral Infectious Disease Unit, RIKEN, | |
| | ³⁾ Laboratory of Global Animal Resource Science, Graduate School of Agricultural and Life Sciences, The University of Tokyo, | |
| | ⁴⁾ Support Unit for Bio-Material Analysis, RIKEN, | |
| | ⁵⁾ Department of Food and Nutrition, Jumonji University | |

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| O1-19* | Effect of C-to-T transition at CpG sites on tumor suppressor genes in cattle developing enzootic bovine leukosis..... | 96 |
| Japan | ○ Asami Nishimori ¹⁾ , Kiyohiko Andoh ¹⁾ , Yuichi Matsuura ¹⁾ , Tomohiro Okagawa ²⁾ , Satoru Konnai ^{2,3)} | |
| | ¹⁾ National Institute of Animal Health, NARO, | |
| | ²⁾ Department of Advanced Pharmaceutics, Faculty of Veterinary Medicine, Hokkaido University, | |
| | ³⁾ Department of Disease Control, Faculty of Veterinary Medicine, Hokkaido University | |

Oral presentation-2 Applied Veterinary Science-1

Sep 8th Sun, 2024

14:15 - 18:15

Lecture Room

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| O2-01 | A newly developed live vaccine can prevent respiratory and reproductive tract lesions caused by <i>Mycoplasma synoviae</i> infection in chicken | 97 |
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| Japan | ○ Chia-Chi Liu, Chihiro Suzuki, Katsuo Sato, Hiroki Otomo, Eiji Oishi Vaxxinova Japan K.K. | |
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| O2-02* | Novel surface display system for proteins on gram-positive enhancer matrix (GEM) particles as vaccine adjuvant | 98 |
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| Taiwan | ○ Thu-Dung Doan ^{1,2)} , ○ M. T Tran ¹⁾ , Hsing-Chieh Wu ^{1,2)} , Li-Ting Cheng ^{1,2)} , Chun-Yen Chu ^{1,2)} | |
| | ¹⁾ International Degree Program in Animal Vaccine Technology, National Pingtung University of Science and Technology, | |
| | ²⁾ Graduate Institute of Animal Vaccine Technology, National Pingtung University of Science and Technology | |

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| O2-03 | The development of self assembled virus like particle vaccine for FMDV produced in <i>E.coli</i> expression system | 99 |
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| Korea | ○ Bong Yoon Kim ¹⁾ , Sang-Cheol Yoo ¹⁾ , Inkyu Lee ¹⁾ , Jea-Taek Han ¹⁾ , Hojun Kim ⁴⁾ , Jong-Hyeon Park ²⁾ , Sunghan Park ²⁾ , Young-Cheon Song ³⁾ | |
| | ¹⁾ Watson RnD Inc., ²⁾ Animal and Plant Quarantine Agency, ³⁾ Sam Yuk University, | |
| | ⁴⁾ Korea Institute of Science and Technology | |

Oral presentation-3 Applied Veterinary Science-2

Sep 9th Mon, 2024

8:30 - 10:40

Lecture Room

Chair: Hwa-Young Son (Chungnam National University, KSVS)

O2-04* Flagellin boosts immunogenicity of *Pasteurella multocida* lipoprotein E subunit vaccine 100

Taiwan ○ Thu-Dung Doan^{1,2)}, Yao-Chi Chung^{1,2)}, Chun-Yen Chu^{1,2)}, Li-Ting Cheng^{1,2)}

¹⁾International Degree Program in Animal Vaccine Technology, National Pingtung University of Science and Technology,

²⁾Graduate Institute of Animal Vaccine Technology, National Pingtung University of Science and Technology

O2-05 Insights into ecological viral shedding by investigating virus transmission in wildlife through primary cell cultures..... 101

Taiwan ○ Dai-Lun Shin¹⁾, Shu-Han Hsu²⁾, Yu-Chun Liu¹⁾, Yi-Bei Tsai^{1,2)}, Nai-Huei Wu²⁾

¹⁾Department of Veterinary Medicine, National Chung Hsing University,

²⁾School of Veterinary Medicine, National Taiwan University

O2-06* Whole genome sequencing of feline calicivirus from clinical samples collected in an animal clinic using multiplex tiling RT-PCR 102

Korea ○ Dong-Yeop Lee¹⁾, Dong-Hun Lee^{1,2)}

¹⁾Wildlife Health Laboratory, College of Veterinary Medicine, Konkuk University,

²⁾Konkuk University Zoonotic Diseases Research Center, Konkuk University

O2-07* Introduction and spread of highly pathogenic avian influenza H5 in wild birds in South Korea, 2023–2024 103

Korea ○ Yeram Seo¹⁾, Andrew Y Cho¹⁾, Young-Jae Si²⁾, Dong-Ju Kim²⁾, Hyesung Jeong²⁾, Chang-Seon Song¹⁾, Dong-Hun Lee³⁾

¹⁾Avian Disease Laboratory, College of Veterinary Medicine, Konkuk University,

²⁾Wildlife Disease Research Team, National Institute of Wildlife Disease Control and Prevention,

³⁾Wildlife Health Laboratory, College of Veterinary Medicine, Konkuk University

Oral presentation-4 Basic Veterinary Science

Sep 9th Mon, 2024

8:30 - 10:40

Lecture Room

Chair: Kazuyuki Uchida (The University of Tokyo, JSVS)

O3-01* Morphological sex-related differences found in the rectal mucosa-associated lymphoid tissues of C57BL/6NCrSlc mice..... 104

Japan ○ Rubel Md Zahir Uddin^{1,2)}, Md. Abdul Masum³⁾, Takashi Namba¹⁾, Masaya Hiraishi¹⁾, Yasuhiro Kon¹⁾, Osamu Ichii^{1,4)}

¹⁾Laboratory of Anatomy, Department of Basic Veterinary Sciences, Faculty of Veterinary Medicine, Hokkaido University,

²⁾Department of Poultry Science, Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University,

³⁾Department of Anatomy, Histology, and Physiology, Faculty of Animal Science and Veterinary Medicine, Sher-e-Bangla Agricultural University,

⁴⁾One Health Research Center, Hokkaido University

O3-02* Transcriptome analysis of liver and spleen during *Bacillus cereus* group infection in Chinese softshell turtle (*Pelodiscus sinensis*) 105

Taiwan ○ Li-Wu Cheng¹⁾, Shih-Chu Chen^{1,2)}, Ming-An Tsai¹⁾, Pei-Chi Wang¹⁾

¹⁾Department of Veterinary Medicine, National Pingtung University of Science and Technology,

²⁾General Research Service Center, National Pingtung University of Science and Technology

Oral presentation-5 Clinical Veterinary Science

Sep 9th Mon, 2024

8:30 - 10:40

Lecture Room

Chair: Takuya Mizuno (Yamaguchi University, JSVS)
Takayuki Nakagawa (The University of Tokyo, JSVS)

O4-01* Functional analysis of anti-cat PD-1 antibody by amino acid modifications of cat IgG constant region 106

Japan ○ Shoma Nishibori¹⁾, Masaya Igase^{1,2,3)}, Takuya Mizuno^{1,2,3)}

¹⁾Laboratory of Veterinary Clinical Pathology, Joint Graduate School of Veterinary Medicine, Yamaguchi University,

²⁾Research Institute for Cell Design Medical Science, Yamaguchi University, ³⁾Japan Small Animal Medical Center

O4-02* High frequency of a variant of the FOXP3 gene, a Treg master regulator in Asian old cattle breeds: possible cause of infertility 107

Japan ○ Abdullah Al Faruq^{1,2)}, Oky Setyo Widodo^{3,4)}, Mitsuhiro Takagi^{3,4)}, Muhammad Fadhlullah Mursalim⁵⁾, Muhammad Ardiansyah Nurdin⁵⁾, Agusriady⁶⁾, Nanang Tedjo Laksono⁷⁾, Md Shafiqul Islam^{1,2)}, Shinichiro Maki¹⁾, Akira Yabuki¹⁾, Osamu Yamato^{1,4)}

¹⁾Laboratory of Clinical Pathology, Joint Faculty of Veterinary Medicine, Kagoshima University,

²⁾Faculty of Veterinary Medicine, Chattogram Veterinary and Animal Sciences University,

³⁾Laboratory of Theriogenology, Joint Faculty of Veterinary Medicine, Yamaguchi University,

⁴⁾Division of Animal Husbandry, Faculty of Veterinary Medicine, Airlangga University,

⁵⁾Study Program of Veterinary Medicine, Faculty of Medicine, Hasanuddin University,

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²⁾United Graduate School of Veterinary Sciences, Gifu University

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