April 12th, Saturday

April 12th (Saturday)　Room A (Bauduin Hall, Ryojun Kaikan)

9:00 - 11:15 Simposium

New Trends in Medical Entomology and Zoology

9:00 **S01** ***Wolbachia*** **-mediated blocking of arboviruses in *Aedes* mosquitoes**

○Manabu Ote[1,2] （[1]Department of Tropical Medicine, [2]Center for Medical Entomology, The Jikei University School of Medicine）

9:25 **S02** **Frontiers of tick-borne virus research - Discovery of emerging viruses in Japan and their threats to public health -**

○ Daisuke Kobayashi (Department of Medical Entomology, National Institute of Infectious

9:50 **S03** **Probing into attractant to adult Tunga penetrans in coastal Kenya**

○Ayako Hyuga[1, a] ([1]International Centre of Insect Physiology and Ecology, [a]Nihon Univ.）

10:15 Break

10:25 **S04** **Introduction of the novel insecticidal compound TENEBENAL ™ (common name: Broflanilide)**

○Hiroshi Fujino（Mitsui Chemicals Crop & Life Solutions, Inc.）

10:50 **S05** **Mosquito landing inhibition technology and its application to novel mosquito repellent "Biore GUARD Mos Block Serum"**

○ [1]Kohei Takeuchi, [2]Hiroaki Iikura, [3]Bianca M. Wiedemann, [3]Aya Namba, [4]Hokto Kazama, [3]Takao Nakagawa （[1]Kao Corporation Sensory Science Research, [2]Kao Corporation Cosmetic Products Research, [3]Kao Corporation Human Health Care Products Research, [4] RIKEN Center for Brain Science）

11:25 - 12:15 Annual General Meeting

13:20 - 14:30 Giving Ceremony of the Prize of the Society and Sasa Prize

13:30 **P01** **Sasa Prize**

Real-time PCR assay for detection of Environmental DNA from *Chironex yamaguchii*

○ Yasuhito Azama[1], Shin-ichiro Oka[2], Morimi Teruya1, Sho Toshino[3], Miyako Tanimoto[2], Nozomi Hanahara[2], Yumani Kuba[1], Ayano Miyagi[1], Yoshimune Fukuchi[4] ([1]Okinawa Prefectural Institute of Health and Environment, [2]Okinawa Churashima Foundation, [3]Kuroshio Biological Research Foundation, [4]Okinawa prefecture)

13:50 **P02** **The Prize of the Society**

Studies on the mechanisms of insecticide resistance in medically important insects

○Shinji Kasai (Department of Medical Entomology, National Institute of Infectious Diseases)

April 12th (Saturday)　Room A（Bauduin Hall, Ryojun Kaikan）

14:40 - 18:02 General Lectures

14:40 **A01** **Exploration of tick-associated RNA viruses in Ishikawa and Ehime Prefectures**

○Astri Nur Faizah[1], Daisuke Kobayashi[1], Ryo Matsumura[1,2], Ryusei Kuwata[3], Toshiya Kimura[4], Mizue Inumaru[1], Mamoru Watanabe[1], Yukiko Higa[1], Kyoko Sawabe[1], Shinji Kasai[1], Haruhiko Isawa[1] ([1]Dept. Med. Entomol., NIID, [2]Grad. Sch. Agri., Meiji Univ., [3]Fac. Vet. Med., Okayama Univ. Sci., [4]Ehime Pref. Govt.,)

14:52 **A02** **Survey of the tick fauna in Miyako Island, Japan**

○Mizue Inumaru[1], Ryohei Suezawa[2], Shusaku Shimoji [2], Yukiko Higa[1]（[1]Dept. Med. Entomol., NIID, [2]Miyako Livestock Health and Sanitation Office）

15:04 **A03** **Virome analysis of ticks and investigation of Jingmen tick virus in wildlife in Fukuoka Prefecture**

○Takayuki Kobayashi[1,2], Hideaki Yoshitomi[1], Yuri Kondo[1], Takashi Furutani[1], Yuki Ashizuka[1], Mitsuhiro Hamasaki[1], Yoshito Tanaka[1], Hiroaki Shiraishi[1], Ryosuke Fujita[2]（[1]Fukuoka Institute of Health and Environmental Sciences, [2]Fac. Agric., Kyushu Univ.）

15:16 **A04** **Survey of infesting tick species on wild boars and deer and by flagging in southern Tochigi Prefecture (Ashikaga and Sano City) in 2021 and 2022**

○Mizuho Shimada[1,2],Kandai Doi[3],Takeo Yamauchi[4],Hiroki Kawabata[5],Shuji Ando[5],Satoshi Shimano[6] ([1] Jichi Medical University, [2] Japanese Red Cross Ashikaga Hospital, [3] Forestry and Forest Products Research Institute, [4] Obihiro University of Agriculture and Veterinary medicine, [5] National Institute of Infectious Diseases, [6] Hosei University)

15:28 **A05** **Change of northern ixodid fauna in higher zone of Asama mountains in Nagano Prefecture is influencing by the warming impact?**

○Nobuhiro Takada[1,3] and Masaru Natsuaki[2] ([1]Fac.Med.Sci., Univ. Fukui and [2]Hyogo Med. Univ., [3]Medico-Field Study Sapport)

15:40 **A06** **Risk assessment of tick-borne diseases in companion animals-Tick fauna in Ehime Prefecture, Japan-**

Toshiya Kimura[1], Ryusei Kuwata[2], Makoto Takeishi[2], Hirofumi Minami[3], Mizue Inumaru[4], Katsuhiro Nakao[5], Osamu Komagata[4], Toshihiko Sunahara[6], Yukiko Higa[4], Haruhiko Isawa[4], ○ Kyoko Sawabe[4,7]（[1]Ehime Pref. Govt., [2]Okayama Univ. Sci., [3]Minami Animal Hospital, [4]NIID, [5]FFPRI, [6]NEKKEN, Nagasaki Univ., [7]UTokyo）

15:52 **A07** **Oz virus infection among six animal species in Japan, including macaques, bears, and companion animals**

○ Aya Matsuu[1,2], Kango Tatemoto[1], Keita Ishijima[1], Ayano Nishino[1], Yusuke Inoue[1], Eunsil Park[1], Hiroo Tamatani[3], Junji Seto[4], Hideo Higashi[5], Yuichi Fukui[6], Takashi Noma[7], Kandai Doi[8], Rumiko Nakashita[8], Haruhiko Isawa[1], Shinji Kasai[1], Ken Maeda[1]（[1]National Institute of Infectious Diseases, [2]Nihon University, [3]Picchio wildlife research center, [4]Yamagata Pref., [5]Wildlife Workshop, [6]Komachi Animal Hospital, [7]Kubota Animal Clinic, [8]Forestry and Forest

16:04 **A08** **Transmission of Oz virus in wild boars in Ibaraki Prefecture**

○ Osawa Shuichi[1,2], Sakurako Abe[1], Noriko Nagata[1], Yoshiaki Uchida[1], Eri Ueno[1], Aya Matsuu[3], Shuetsu Fukushi[4],Ken Maeda[4], Hideki Ebihara[4], Tetsuya Furuya[2] ([1]Ibaraki Prefectural Institute of Public Health, [2]Tokyo University of Agriculture and Technology, [3]Nippon University, [4]National Institute of Infectious Diseases)

16:16 Break

16:26 **A09** **Characterization of a novel coltivirus isolated from Haemaphysalis megaspinosa ticks in Japan.**

○ Ryo Matsumura[1,2], Alisa Rose Aboshi[1,3], Mizue Inumaru[2], Astri Nur Faizah[2], Toshinori Sasaki[2], Nozomi Uemura[2], Takeo Yamauchi[4], Toshiya Kimura[5], Ryusei Kuwata[6], Daisuke Kobayashi[2], Kyo Itoyama[1], Haruhiko Isawa[2] （[1]Grad. Sch. Agri., Meiji Univ., [2]Dept. Med. Entomol., NIID, [3]Sch. Agri., Meiji Univ., [4]Obihiro Univ., [5]Dept. Pub. Health Welfare, Ehime Pref., [6]Fac. Vet. Med., Okayama Univ. Sci.）

16:38 **A10** **Case of Japanese spotted fever infected in Nagasaki Prefecture and developed in Hyogo Prefecture**

○ Masaru Natsuaki [1] , Nobuhiro Takada[2], Yurika Yoshioka [1] , Hideki Hayashi [1] , Nobuo Kanazawa [1] ([1] Dept. of Dermatology, Hyogo Medical Univ., [2]Fukui Health Science Univ.)

16:50 **A11** **Protein-protein docking structure prediction oriented towards new tick control methods.**

○ Hayato Kawada[1,2], Yuki Koike[2], Sana Sasaki[2], Takahiro Inoue[2], Hanako Kunisada[2], Kei Jimbo[2], Keiko Mizutani[2], Fusako Mikami[1], Naotoshi Tsuji[1,2], Takeshi Hatta[1,2] (Kitasato Univ. Mole. Cell. Para. Kitasato Univ. Para. Trop. Medi.)

17:02 **A12** **Functional prediction based on amino acid sequence phylogenetic analysis of the tick salivary molecule HLCBP1.**

○ Sana Sasaki[1], Hayato Kawada[1,2], Yuki Koike[1], Takahiro Inoue[1], Hanako Kunisada[1], Kei Jimbo[1], Keiko Mizutani[1], Fusako Mikami[2], Naotoshi Tsuji[1,2], Takeshi Hatta[1,2] (Kitasato Univ. Mole. Cell. Para. Kitasato Univ. Para. Trop. Medi.)

17:14 **A13** **Blood pool constitution by blood-feeding ticks - significance of platelet phagocytosis by macrophages**

○ Yuki Koike[1], Hayato Kawada[1,2], Sana Sasaki[1], Takahiro Inoue[1], Hanako Kunisada[1], Kei Jimbo[1], Keiko Mizutani[1], Fusako Mikami[2], Naotoshi Tsuji[1,2], Takeshi Hatta[1,2] (Kitasato Univ. Mole. Cell. Para. Kitasato Univ. Para. Trop. Medi.)

17:26 **A14** **Prevalence and Serotype Identification of *Orientia tsutsugamushi* in Wild Rodents in Yamaguchi Prefecture**

Abdelrahman Ahmed[1,2], Supriyono[3], Kazuki Kiuno[1,4], Nozomi Kurihara[5], Shohei Minami[6], Kenzo Yonemitsu[7], Ryusei Kuwata[8], Hiroshi Shimoda[1,4], Tsubasa Narita[9], ○Alice C.C. Lau[2], Ai Takano[1,2], Ken Maeda[1,10]([1]Joint Graduate School of Veterinary Medicine, Yamaguchi Univ., [2]Laboratory of Epidemiology, Department of Veterinary Medicine, Joint Faculty of Veterinary Medicine, Yamaguchi Univ., [3]School of Veterinary Medicine and Biomedical Sciences, IPB Univ., [4]Laboratory of Veterinary Microbiology, Department of Veterinary Medicine, Joint Faculty of Veterinary Medicine, Yamaguchi Univ.,[5]School of Agriculture, Utsunomiya Univ., [6]Department of Virology, Research Institute for Microbial Diseases, Osaka Univ., [7]Research Center for Biosafety, Laboratory Animal and Pathogen Bank, NIID, [8]Faculty of Veterinary Medicine, Okayama University of Science, [9]Miyazaki Prefectural Institute for Public Health and Environment, [10]Department of Veterinary Science, NIID)

17:38 **A15** **How *Vatacarus ipoides* invade the lungs of *Laticauda semifasciata* and when they exit from them**

○Mamoru Takahashi[1], Hitoko Misumi[1], Hajime Moriguchi[2], Michihisa Toriba[2] ([1]Saitama Med. Univ, [2]The Japan. Snake Institute)

17:50 **A16** **Research for components contained in cypress that alter blood-sucking behavior of Dermanyssus gallinae.**

○ Takahiro Inoue[1,2], Hanako Kunisada[1,2], Keiko Mizutani[1], Hisahiro Kai[3], Takuhiro Uto[4], Tomoo Yoshida[1], Ayumu Inagaki[5], Takahisa Ueno[5], Kenji Oda[2], Hayato Kawada[1], Naotoshi Tsuji[1], Takashi Furukawa[1], Takeshi Hatta[1] （[1]Kitasato Univ. Grad. Sch., [2]Res. Inst. Ani. Sci., [3]Kyushu Univ. Med., [4] Nagasaki int. Univ., [5]Nit. Oita.）

April 12th (Saturday)　Room B（Sensai Hall 1, Ryojun Kaikan）

14:40 - 18:02 General Lectures

14:40 **B01** **The effects of mating on gene expression in blood-feeding *Aedes albopictus* female**

○Rie Mukai[1] , Parinya Wilai[1] , Saki Egashira[1] , Keiichi Irie[1] , Daisuke Sakamoto[1] , Nobuhiro Kashige[1] , Kyoko Futami[2] , Toshihiko Sunahara[2] , Tomomitsu Satho[1] ([1] Fac. Pharm. Sci., Fukuoka Univ., [2] NEKKEN, Nagasaki Univ.）

14:52 **B02** **Construction of *Aedes aegypti* voltage-sensitive Na+ channel-expressing cells**

○ Takashi Suzuki[1], Yuji Mizokoshi[1], Hitoshi Kawada （[1]Kobe Tokiwa Univ., [2]NEKKEN, Nagasaki Univ.）

15:04 **B03** **Fibrinopeptide A produced during blood coagulation induces blood-feeding cessation in *Aedes aegypti***

○Chisako Sakuma[1]、Fumiaki Obata[1,2]、Hirotaka Kanuka[3] ([1]RIKEN, [2]Grad. Sch. Biostudies, Kyoto Univ.、[3]Jikei Univ. Sch. Med.）

15:16 **B04** **Susceptibility against Zika virus on *Aedes albopictus* , *Culex quinquefasciatu* s and *Culex pipiens pipiens***

○ Toshinori Sasaki[1], Daisuke Kobayashi[1], Kazumi Saito[1], Chang-Kweng Lim[2], Tomohiko Takasaki[2,*], Kyoko Futami[3], Noboru Minakawa[3], Kyoko Sawabe[1, 4], Haruhiko Isawa[1] ([1]Dept. Med. Entomol., Natl. Inst. Infect. Dis., [2]Dept. Virology I, Natl. Inst. Infect. Dis., [3]Dept. Vector Ecol. & Environ., Inst. Trop. Med., Nagasaki Univ., [4]Grad. Sch. Agr. & Life Sci., Univ. Tokyo, [*]BML, Inc.）

15:28 **B05** **Comparative analysis of vectorial capacity against *Dirofilaria immitis* in *Aedes togoi* collected in Shakotan region, Hokkaido, Japan**

○Tatsuki Kuramoto[1], Natsuki Katayama[1], Sakura Kajita[1], Ikumi Kurokawa[1], Shinya Fukumoto[1] ([1]National Research Center for Protozoan Diseases, Obihiro Univ.）

15:40 **B06** **Species composition of *Culex pipiens* complex in northern Kyushu Island.**

○Kyoko Futami[1], Shinji Kasai[2] （[1]NEKKEN, Nagasaki Univ., [2]National Institute of Infectious Diseases）

15:52 **B07** **Survey of mosquito larvae in the small island of Micronesia**

○ Yasushi Otsuka[1], Sota Yamamoto[1], Motohiro Kawanishi [2], Mitsuyo Taniguchi[3] （[1] International Center for Island Studies, Kagoshima Univ., [2] Faculty of Education, Kagoshima Univ., [3] Faculty of Medicine, Miyazaki Univ.）

16:04 **B08** **Molecular phylogenetic analysis of *Anopheles* mosquitoes from the Aegean region of**

○ Aiki Yamada[1], Suha Kenan Arserim[2],Metin Pekagirbas[3], Kardelen Yetismis[4], Seray Toz[4], Yusuf Ozbel[4], Kentaro Itokawa[1], Yuki Shoshi[5],Daisuke Kobayashi[1], Chizu Sanjoba[5], Shinji Kasai[1], Yukiko Higa[1]. ([1]National Institute of Infectious Diseases, [2]Celal Bayar Univ., [3]Aydin Adnan Menderes Univ., [4]Ege Univ., [5]The University of Tokyo.）

16:16 Break

16:26 **B09** **Lactose stimulates excretion of *Anopheles* mosquitoes**

○Mizushima D., Yamamoto S. D., and Kato H. (Division of Medical Zoology, Jichi Medical University)

16:38 **B10** **Evaluating Pyrethrum Spray Catch and CDC Light trap sampling techniques for mosquito surveillance: A comparative study of mosquito sampling methods.**

○Muga Robert[1], Noboru Minakawa[2], Kyoko Futami[2], George O. Sonye[3], Peter Lutiali[4], Beatrice Awuor[4] ([1]TMGH, Nagasaki University, [2]Nekken, Nagasaki University, [3]Ability to solve by Knowledge (ASK), [4]NUITM/KEMRI)

16:50 **B11** **Physicochemical characteristics of African malaria vector mosquito larval breeding water bodies**

Sachie Ishita[1] , ○Nobuko Tuno[1] ([1] Kanazawa University)

17:02 **B12** **Records of *Anopheles* sinensis from Hokkaido in 2022**

Yoshihide Maekawa[1], Chao Yang[1], Kyoko Sawabe[1,2], ○Yukiko Higa[1] （[1]NIID, [2]UTokyo）

17:14 **B13** **Phenology and feeding habits of diving beetle *Eretes griseus* (Coleoptera: Dytiscidae) larvae in paddy fields, and their role as mosquito larval predat**

○ Taichi Fukuoka[1], Ryo Tamura[2], Keiko Kishimoto-Yamada[3], Shin-ya Ohba[4] ([1]Graduate School of Integrated Science and Technology, Nagasaki University, [2]Graduate School of Science and Technology, Ryukoku University, [3]Faculty of Advanced Science and Technology, Ryukoku University, [4]Biological Laboratory, Faculty of Education, Nagasaki University)

17:26 **B14** **The effect of fish exudates on the larval anti-predator behaviour of six mosquito species**

○Shin-ya Ohba[1, 2], Mitsuru Noine[1], Hinata Ohura[2] ([1]Faculty of Education, Nagasaki University, [2]Graduate School of Integrated Science and Technolog, Nagasaki University)

17:38 **B15** **Effect of mechanical constraints on the escape behaviour of mosquitoes: robotics-based**

○Taito Koeda, Seiya Shimakawa,Yuuki Kato, Hao Liu, Toshiyuki Nakata （Chiba Univ.）

17:50 **B16** **Prevalence and Molecular Identification of *Leishmania* species in The District Mohmand, Khyber Pakhtunkhwa, Pakistan**

○ Shah Tariq Aziz[1], Naveeda Akhter Quresh [2] , Nargis Shaheen [2] , Khurshaid Khan [3] , Tuno Nobuko[1] ([1] Kanazawa University, [2] Quaid-i-Azam University Islamabad, Pakistan, [3] Abdul Wali Khan University Mardan, Pakistan)

Banquet Party (Hotel Saint Paul)

18:30 - 20:30

April 13th, Sunday

April 13th, (Sunday) Room A (Bauduin Hall, Ryojun Kaikan)

9:00 - 11:56 General Lectures

9:00 **A17** **What two obserbations on 10,000 catch basins in parks in Tokyo tell us**

○ Toshihiko Sunahara[1] , Yukiko Higa[2] , Hitoshi Kawada[1] ([1] Institute of Tropical Medicine, Nagasaki University, [2] National Institute of Infectious diseases)

9:12 **A18** **Occurrence of *Aedes albopictus* in 2024 at the monitoring point in Ueda City, Nagano Prefecture**

○Kimio Hirabayashi （Department of Textile Science and Technology, Shinshu University）

9:24 **A19** **Survey of mosquitoes in Tokorozawa City, Saitama Prefecture**

○ Hiroko Ejiri[1], Atsuhiro Kanayama[1], Koki kaku[1] ([1] Division of Infectious Disease Epidemiology and Control, National Defense Medical College)

9:36 **A20** **A Preliminary Survey on the Relationship between Habitat Density of *Aedes albopictus* and Distribution Structure of Vegetation in Kurokami Campus, Kuma**

○Mayuko Yonejima, Takashi Watanabe, Koji Sugimura, Shigeo Suzuki, Akito Shinzato, Osamu Komagata([1]Faculty of Humanities and Social Sciences, Kumamoto Univ.,[2]Faculty of Life Science, Kumamoto Univ.,[3]Department of Geography,Komazawa Univ.,[4]Institute of Infectious Diseases)

9:48 **A21** **Evaluation of *Aedes albopictus* control based on population structure analysis with microsatellite markers**

○ Hiroshi Kikuchi[1], Hikari Yamaguchi[1], Kazumasa Ogino[2] （[1]Sanix Inc., [2]Dept. Immunol. Parasitol., UOEH）

10:00 Break

10:10 **A22** **A report of a three-year invasion survey on the exotic *Aedes albopictus* at Narita International Airport from 2021 to 2023**

○ Chao Yang[1], Kentaro Itokawa[1], Takumi Ono[2], Kunihiro Saitou[2], Saki Osato[2], Shigeru Yamanouchi[2], Jun Niizuma[2], Tomoyuki Hashimoto[3], Shinji Kasai[1], Yukiko Higa[1] ([1]Dept. Med. Entomol., Natl. Inst. Infect. Dis. (NIID), [2]Narita Airport Quarantine Station, [3]Environmental Biology & Living Environment Department, Japan Environmental Sanitation Center)

10:22 **A23** **Why is *Aedes albopictus* in Yonaguni DDT-susceptible?**

○ Hitoshi Kawada[1], Yukiko Higa[2], Aiki Yamada[2], Chao Yang[2] ([1]Nagasaki Univ., [2]National Institute of Infectious Diseases)

10:34 **A24** **Pyrethroid resistance of *Aedes albopictus* in Japan, and the origin of the resistance allele**

○Kentaro Itokawa[1], Chao Yang[1], Aiki Yamada[1], Mikie Nakagawa[2], Mizue Inumaru[1], Nozomu Uemura[1], Yukiko Higa[1], Shinji Kasai[1], Osamu Komagata[1] ([1]Department of Medical Entomology , National Institute of Infectious Diseases, [2]Graduate School of Agriculture,

10:46 **A25** **Gene expression on insecticide-resistant mosquitoes collected in the Republic of the Congo**

○ Tomomitsu Satho[1], Rie Mukai[1], Parinya Wilai[1], Saki Egashira[1], Keiichi Irie[1], Daisuke Sakamoto[1], Vulu Zimbombe Fabien[2], Kyoko Futami[3], Noboru Minakawa[3], Nobuhiro Kashige[1]
（[1]Fukuoka Univ., [2]University of Kinshasa, [3]NEKKEN, Nagasaki Univ.）

10:58 **A26** **Predicting Dengue Cases and Risk Using Hybrid Deep Learning Models and Climate Data**

○ Micheal Teron Pillay[1], Le Thi Qu ỳ nh Mai[2], Yuki Takamatsu[1], Tran Vu Phong[2],Ratnam Jayanthi[3] Noboru Minakawa1 ([1] Nagasaki University, Institute of Tropical Medicine (NEKKEN)., [2] National Institute of Hygiene and Epidemiology.,[3] Japan Agency for Marine-

11:10 Break

11:20 **A27** **Association between climate variability and malaria in a high-risk area of Kenya.**

○ Sarina Yamashiita[1], Michel T Pillay[1],Steohen Munga[2], Kyoko Futami[1], Noboru Minakawa[1]
（[1]Nekken, Nagasaki University, [2] Centre for Global Health Research, Kenya Medical Research Institute, Kisumu, Kenya）

11:32 **A28** **Risk Assessment and Preparedness for Arthropod-Borne Infectious Disease Outbreaks in Japan**

○ Naomi Seki[1], Nozomi Kobayashi[1], Shinji Kasai[2] ([1]Center for Emergency Preparedness and Response, [2]Department of Medical Entomology, National Institute of Infectious Diseases)

11:44 **A29** **Mosquito-borne Getah virus epidemic among domestic and wild animals in Ehime, Japan**

○ Ryusei Kuwata[1], Toshiya Kimura[2], Makoto Takeishi[1], Keiichi Hisaeda[1], Fumiko Ono[1], Yuki Inoue[2], Hideaki Ooae[2], Itaru Tokui[2], Toshiro Kaneko[2], Tatsuya Ymamoto[2], Emi Osawa[3], Tetsushi Ono[4], Hitoshi Kitagawa[5], Ken Maeda[6], Haruhiko Isawa[6], Manabu Nemoto[7], Hiroshi Bannai[7] （[1]Okayama Univ. Science, [2]Ehime Prefecture, [3]Nomauma Conservation, [4]Yamaguchi Univ., [5]Gifu Univ., [6]NIID, [7]JRA）

April 13th, (Sunday) Room B (Sensai Hall 1, Ryojun Kaikan)

9:00 - 12:08 General Lectures

9:00 **B17** **Is the long-lasting insecticide treated bed net incorporated with piperonyl butoxide more effective against *Anopheles arabiensis* ?**

○Marin Nagatake[1], Kyoko Futami[1], George Sonye[2], Noboru Minakawa[1] ([1]NEKKEN, Nagasaki Univ.,[2]ASK)

9:12 **B18** **Challenges in bed net universal coverage in western Kenya**

○ Ryoutaro Nakao[1], Yukiko Aso[1], George O. Sonye[2], Stephen Munga[3], Noboru Minakawa[4]([1]School of Medicine, Nagasaki University, [2]Ability to solve by Knowledge (ASK), [3]Centre for Global health Research, Kenya Medical Research Institute, [4]NEKKEN, Nagasaki University)

9:24 **B19** **When bed nets are insufficient, who uses one with priority?**

Yukiko Aso[1], Ryoutaro Nakao[1], George O. Sonye[2], Stephen Munga[3], ○ Noboru Minakawa[4] ([1]School of Medicine, Nagasaki University, [2]Ability to solve by Knowledge (ASK), [3]Centre for Global health Research, Kenya Medical Research Institute, [4]NEKKEN, Nagasaki University)

9:36 **B20** **Effectiveness of long-lasting insecticidal ceiling nets incorporating piperonyl butoxide in reducing malaria parasite vectors in western Kenya: a cluster randomized controlled trial.**

○Noboru Minakawa[1],Yura K Ko[2], Wataru Kagaya[1], Bernard N Kanoi[3], Jessy Gitaka[4], George O. Sonye[5], Stephen Munga[6],Kyoko Futami[1],Akira Kaneko[2,7] ([1]NEKKEN,Nagasaki Univercity,[2]Department of Microbiology, Tumor and Cell Biology (MTC), Karolinska Institute,[3]Mount Kenya University,[4]Research and Innovation,Mount Kenya University,[5]Ability to solve by Knowledge (ASK),[6]Centre for Global health Research, Kenya Medical Research Institute,[7]Osaka Metropolitan University)

9:48 **B21** **Development of a repellent for human body with excellent lasting effect in actual-use environments**

○ YU ASHIKAWA[1] , TATSUYA KAMEZAWA[1] , TATSUJI KODAMA[1] , KEIYA TAKAHARA[1] ([1] LEC, Inc.)

10:00 Break

10:10 **B22** **Verification of the repellent effect of mosquito coils against vector mosquitoes in outdoor environments**

○Masamitsu Kaibe, Tomohiro Tamaru, Yoshihiro Inoguchi, Tomoyuki Hikitsuchi, Hirofumi Geho, Tsutomu Kanzaki, Yumi Kawajiri, Koji Nakayama （Research & Development Laboratory, Dainihon Jochugiku Co., Ltd.）

10:22 **B23** **Summaries of LED irradiat ion influence on behavior and development of vectors in**

○ Kazumasa Ogino[1,2], Keiichi Nishimura[3], Shoichi Shimizu[1], Kenichi Asada[4] （[1]Immnol.& Parasitol., UOEH, Japan, [2]Sankyo Shodoku Co., LTD.,[3]Fukuoka Industrial Technology Center, Mechanics and Electoronics Research Institute, [4]Fukuoka Prefecuture Livestock Industory

10:34 **B24** **Laboratory rearing and the insecticidal effect of pyrethroid veterinary pesticides on**

○Daiki Kuki, Kyohei Hattori, Yoshihiro Inoguchi, Tomoyuki Hikitsuchi, Tsutomu Kanzaki, Yumi Kawajiri, Koji Nakayama (Research & Development Laboratory, Dainihon Jochugiku Co.,

10:46 **B25** **Full-length analysis of multiple insecticide target genes in houseflies collected from livestock facilities**

○Nakagawa M.[1, 2], Itokawa K.[2], Uemura N.[2], Tomioka Y.[3], Tanikawa T.[3], Sawada K.[3], Itoyama K.[1], Kasai S.[2], Komagata O.[2] （[1] Grad. Sch. of Agriculture, Meiji Univ., [2]Dept. Med. Entomol., Natl. Inst. Infect. Dis., [3] Ikari shodoku Co.,Ltd.）

10:58 **B26** **Genetic background analysis of insecticide target genes VGSC and AChE in laboratory strains of housefly**

Nakagawa M.[1], Itokawa K.[2], Itoyama K.[1], Sawada K.[2], Kasai S.[2], ○Komagata O.[2] ([1] Grad. Sch. of Agriculture, Meiji Univ., [2]Dept. Med. Entomol., Natl. Inst. Infect. Dis.)

11:10 Break

11:20 **B27** **Effects of UV-LED with phosphorese material on attraction of *Musca domestica***

○ Goro Kimura[1], Kazuki Yoshida[2],Kazuo Kawata[2] （[1] Ikari Shodoku Co., Ltd., [2] FKK corporation）

11:32 **B28** **Sticky trap analysis of flies in a poultry farm, Fukuoka Prefecture.**

○Ryosuke Fujita, Hiroto Ueno, Hiroaki Tanaka, Satoshi Kamitani, Hiroto Onishi (Faculty of Agriculture, Kyushu Univ.)

11:44 **B29** **The attraction and invasion into poultry of necrophagous flies, a potential HPAIV vector.**

○Hiroto Ueno, Satoshi Kamitani,Hiroaki Tanaka, Hiroto Onishi, Ryosuke Fujita （Faculty of Agriculture, Kyushu Univ.）

11:56 **B30** **Vector competence of necrophagous flies analyzed with their excretory and fly ability.**

○ Hiroaki Tanaka, Hiroto Ueno, Satoshi Kamitani, Ryosuke Fujita (Faculty of Agriculture, Kyushu Univ.)

April 13th, (Sunday) Room C（Pompe Hall）

9:00 - 12:20 General Lectures

9:00 **C01** **Behavioral difference between the common bed bug and the tropical bed bug on the smooth surface.**

○Tomoyuki Hashimoto[1]、Noriyuki Komatsu[2]、Tomoyoshi Iguchi[3]、Keiko Minagawa[1]、Toru Kazuma[1] ([1]Japan Environmental Sanitation Center、[2]Civil International Corporation、[3]Tokyo Metropolitan Institute of Public Health)

9:12 **C02** **Differences between the morphology of *Cimex hemipterus* and *Cimex lectularius* in the larval stage**

○Yuji Miguchi[1] , Takeshi Itoh[1] , Noriyuki Komatsu[1] ([1] Civil International Corporation)

9:24 **C03** **Molecular phylogenetic analysis of *Cimex lectularius* collected in Osaka Prefecture, Japan: Local and global perspectives**

○Maaya Sasaki[1]（[1]Osaka Institute of Public Health）

9:36 **C04** **Field efficacy evaluation of broflanilide formulations against bed bugs (*Cimex lectularius*) in accommodation facilities and public transportation**

○ Yunosuke Oi[1], Yuki Kurashima[1], Eri Harada[1], Ren Abe[1], Akira Matsubara[1] ([1]Earth

9:48 **C05** **Survey of pyrethroid resistance genes in bed bugs collected in Japan.Part.1**

○Tomoyoshi Iguchi[1], Noboru Yaguchi[2], Tomoyuki Hashimoto[3], Toru Kazuma[3], Keiko Minagawa, Goro Kimura[4], Takeshi Sasaki[4], Ryota Yamaguchi[4], Motoyuki Kawasaki[4], Teruaki Kinoshita[4], Akiko Inomata[4] ([1]Tokyo Metropolitan Institute of Public Health, [2]Ikebukuro Public Health Office,Toshima-ku, [3]Japan Environmental Sanitation Center, [4]Tokyo Pest Control Association, Hygienic Insecticide Industrial Association of Japan.)

10:00 Break

10:10 **C06** **The cockroache fauna of Niijima Island.**

○Noriyuki Komatsu[1] , Yoshiyuki Mori[1] , Goro Kimura[1] , Takeshi Sasaki[1] ([1] Tokyo Pest Control Association)

10:22 **C07** **Susceptibility Tests of various insecticides to 11 strains of American cockroaches in Japan**

○Noriyuki Komatsu[1, 2] ([1] Civil International Corporation, [2] Tokyo Pest Control Association)

10:34 **C08** **Insecticidal effect against the Blattella German under field conditions**

○Takeshi Itou[1] , Yuji Miguchi[1] , Noriyuki Komathu[1] ([1] Civil International Corporation)

10:46 **C09** **Population Genetic Structure of Horsefly, *Tabanus nipponicus* in Tokachi Region, Hokkaido, Japan**

○Maria Angenica F. Regilme[1], Keisuke Suganuma[1], Yuma Ohari[2], Noboru Inoue[1], Shin-ichiro Kawazu[1] （[1] National Research Center for Protozoan Diseases, Obihiro University of Agriculture and Veterinary Medicine. [2]International Institute for Zoonosis Control, Hokkaido University）

10:58 **C10** **C10 Seasonal prevalence of horseflies (Diptera: Tabanidae) in livestock farms in Tokachi, Hokkaido**

○ Suganuma, K.[1, 2], Okuno, Y.[3], Kayano, M[2]., Yamauchi, T[3]., Inoue, N.[1] and Acosta, T.[3] ([1] NRCPD, Obihiro Univ., [2]GAMRC, Obihiro Univ., [3]School of Agriculture, Obihiro Univ.)

11:10 Break

11:20 **C11** ***Liposcelis bostrychophila*** **adults exposed to prior desiccation stress exhibit significantly increased tolerance to multiple physical and chemical stres**

○Kohjiro Tanaka and Yoichi Hayakawa (Fuji Environmental Service, Inc)

11:32 **C12** **Species diversity of gut-inhabiting fungi in *Simulium japonicum* larvae**

○Hiroki Sato[1] （[1]Dept.Entomol.FFPRI）

11:44 **C13** **Estimation of seasonal dynamics, prevalence of avian haemosporidia and blood meal host of the louse fly, *Ornithomya avicularia aobatonis* (Diptera: Hippoboscidae) in urban forest in Chiba prefecture, Japan**

○ Hayato Sugasawa[1], Kemrio Ozaki[2] , Madoka Ichikawa-Seki[1], Yukita Sato[1] （[1]Lab of Veterinary Parasitology, Graduate School of Veterinary Medicine, Iwate University, [2]Natural History Museum and Institute, Chiba）

11:56 **C14** **Control of Argentine ants by hydrogel bait agent in a specific area surrounded by Argentine ant habitat in Nara Prefecture, Japan**

○Yasuhiro Tomioka[1], Yuki Sugata[1], Yuta Takahashi[1], Goro Kimura[1], Mina Yamahara[2], Eiriki Sunamura[3], Mamoru Terayama[4] ([1]IKARI SHODOKU CO.,LTD., [2]Environment and Forest Department, Nara prefectural government, [3]Forestry and Forese Products Research institute, [4]Graduate School of Science, Tokyo Metropolitan University)

12:08 **C15** **Behavior of brown rats in sewer pipes**

○Tsutomu Tanikawa[12], Masaji Suzuki[3], Yasushi Kiyokawa[4] ([1] Tokyo Pest Control Association, [2]IKARI SHODOKU CO.,LTD. [3]KANSEI Company, [4]Univ.Tokyo)

April 13th, (Sunday) Room A （Bauduin Hall, Ryojun Kaikan）

14:30 - 16:30 Public Lectures "Harmful Animals to human health"

14:30 Opening Address

14:40 **L01** **Skin diseases caused by insects**

○Masaru Natsuaki (Department of Dermatology, Hyogo Medical Univ.）

15:15 **L02** **Prevalence of Tick-borne infectious disease in Nagasaki Prefecture -**

○Akira Yoshikawa[1], Motoki Ihara[2], Fumika Nakamine[1], Hikaru Ogushi[1], Yumika Takaki[1] （[1]Nagasaki Prefectural Institute of Environment and Public Health, [2]NEKKEN, Nagasaki Univ.）

15:50 **L03** **Recent interactions between humans and wild mammals**

○Hiroshi Sasaki(Chikushi Jogakuen University)