Program
April 15 (Saturday)

Room A

Moderator: Noboru Minakawa

9:00  A101  Recent invasion of *Aedes albopictus* into Aomori Prefecture, Japan
©Kobayashi M. 1, Maekawa Y. 1, Komagata O. 1, Ishida K. 2, Fuji S. 2, Okuyama H. 2, Shiono Y. 2, Sawabe K. 1 (1 National Institute of Infectious Diseases, 2 Sendai Quarantine Station)

9:10  A102  The 2016 surveillance result of disease-transmitting mosquitoes in Tokyo
©Kumiko Takahashi, Tomoyoshi Iguchi, Takeshi Ishikami, Yukiko Tabei, Yuu Sakai, Takumi Kobayashi, Yoshika Wakebe, Kazumichi Yano, Yoko Nadaoka. Toshinari Suzuki, Mitsugu Hosaka (Tokyo Metropolitan Institute of Public Health)

9:20  A103  The 2016 surveillance results of disease-transmitting mosquito larvae in Tokyo
©Tomoyoshi Iguchi, Kumiko Takahashi, Takeshi Ishikami, Yukiko Tabei, Kimiyo Watanabe, Chieko Hatami, Tsuyoshi Igarashi, Yuki Kosugi, Tomoko Okubo, Yuu Sakai, Takumi Kobayashi, Mika Wakebe, Kazumichi Yano, Hiroyuki Konishi, Yoko Nadaoka. Toshinari Suzuki, Mitsugu Hosaka (Tokyo Metropolitan Institute of Public Health)

Moderator: Mutsuo Kobayashi

9:30  A104  Adult density and larval habitats of *Aedes albopictus* at public facilities and a residential area in Okayama City, Japan in 2015 and 2016.
©Tsuda, Y. 1, Maekawa, Y. 1, Kasai, S. 1, Minagawa, K. 2, Kazuma, T. 2, Horiguchi, T. Yamauchi, T. 3 and Sawabe, K. 1 (1 National Institute of Infectious Diseases, 2 Japan Environmental Sanitation Center, 3 University of Hyogo)

9:40  A105  Movement of *Aedes albopictus* released from a cemetery locating at the base of a small hill.
©Yoshihide Maekawa 1, Yoshio Tsuda 1, Takeo Yamauchi 2, Masato Igarashi 3, Toru Kazuma 4, Yuzo Satou 5, Ryuichin Kanayama 5, and Kyoko Sawabe 1 (1 National Institute of Infectious disease, 2 University of Hyogo, 3 Hohto Shoji Co., Ltd. 4 Japan Environmental Sanitation Center, 5 SC Environmental Science Co., Ltd.)

9:50  A106  Mosquito control in a university campus
©Toshihiko Sunahara (Institute of Tropical Medicine, Nagasaki University)

10:00 (Break)

Moderator: Kazunori Ohashi

10:10  A107  The approach to mosquito-borne viral disease, dengu, control by using *Sympetrum frequens* larvae.
©Jinguji, H. and Kumagai, T. (Miyagi University)

10:20  A108  Habitation risk map of *Aedes albopictus* in Iwate Prefecture by generalized linear mixed model
©Takashi Satou 1, Naoko Nihei 2, Mutsuo Kobayashi 2 (1 Department of Earth Science, Iwate Prefectural Research Institute for Environmental Sciences and Public Health, 2 Department of Medical Entomology, National Institute of Infectious Diseases)

10:30  A109  Mosquito surveillance in the disaster area of Kumamoto Earthquake
©Yonejima, M. 1, Watanabe, M. 2, Watanabe, H. 3, Muramatsu,Y. 4, Higashida, K. 4, Kobayashi, M. 2 and Sawabe, K. 1 (1 Kumamoto University, 2 National Institute of Infectious Disease, 3 Toyama-city, 4 Kumamoto Pest Control Association)

10:40  A110  Difference in occurrence of the mosquito in the disaster area of Kumamoto Earthquake and the Great East Japan Earthquake.
©Watanabe, M. 1, Watanabe, H. 2, Yonejima, M. 3 Sawabe, K. 1 (1 National Institute of Infectious Disease, 2 Toyama-shi, 3 Kumamoto University)
A111 Continual monitoring for mosquito using BG-centinel (2) in a shrine in Takatsuki city, Osaka.
○Kakurou Kanno, Yukio Adachi, Koji Maeda, Yoshihiro Ishikawa, Katsuyuki Miura, Junichiro Katayama

A112 Mosquito surveillance using three methods: the human-baiting method, the CDC-type trap with dry-ice, and BG-sentinel 2 trap.
○Fukuura, Y. and Nakajima, S. (Kyoto Prefectural Institute of Public Health and Environment, Environmental Health Division)

A113 Overwintering of Aedes aegypti eggs under outdoor conditions in Nagasaki City from October 2015 to March 2016.
○Yukiko Higa¹, Chiaki Tsurukawa¹, Nozomi Imanishi¹, Yoshio Tsuda², Kyoko Sawabe²
(¹NEKKKEN, Nagasaki University, ²Department of Medical Entomology, NIID)

A114 Dissecting the molecular mechanism of sensation of ATP, a phagostimulant for the blood sucking behavior
○Chisako Sakuma, Hirotaka Kanuka (Department of Tropical Medicine, Center for Medical Entomology, The Jikei University School of Medicine, Tokyo, Japan)

A115 Wolbachia tropism in Aedes aegypti
○Manabu Ote¹, ², Hirotaka Kanuka¹, ² (¹Department of Tropical Medicine, ²Center for Medical Entomology, The Jikei University School of Medicine)

A116 Molecular mechanism of host recognition in dengue vector mosquito
○Hidetoshi Ichimura¹, ², Chisako Sakuma¹, ², Chun-Hong Chen³, Hirotaka Kanuka¹, ² (¹Department of Tropical Medicine, ²Center for Medical Entomology, The Jikei University School of Medicine, Japan ³National Health Research Institutes, Taiwan)

A117 Analysis of transgenic Anopheles stephensi inducing a cell death in the testis.
○Daisuke S. Yamamoto¹, Megumi Sumitani², Katsumi Kasashima³, Hideki Sezutsu², Hiroyuki Matsuoka¹, Hirotomo Kato¹ (¹Division of Medical Zoology, Jichi Medical University, ²Transgenic Silkworm Research Unit, NARO, ³Division of Functional Biochemistry, Jichi Medical University)

A118 Analysis of transgenic Anopheles stephensi inducing a cell death in the testis.
○Daisuke S. Yamamoto¹, Megumi Sumitani², Katsumi Kasashima³, Hideki Sezutsu², Hiroyuki Matsuoka¹, Hirotomo Kato¹ (¹Division of Medical Zoology, Jichi Medical University, ²Transgenic Silkworm Research Unit, NARO, ³Division of Functional Biochemistry, Jichi Medical University)

A119 Annual General Meeting

A120 Prize of Society and Sasa Prize Giving Ceremony
Sasa Prize: A nationwide survey on distribution of mosquitoes in Japan / DNA barcoding for molecular identification of Japanese mosquitoes
○Yoshihide Maekawa (National Institute of Infectious Diseases)

Prize of Society: Studies on control of vector and vector-borne diseases in Japan
○Kyoko Sawabe (National Institute of Infectious Diseases)

A122 Symposium
S1 Intra-specific diversity of bacteria in Anopheles mosquito midgut defines Plasmodium transmission capacity
○Hirotaka Kanuka (Department of Tropical Medicine, Center for Medical Entomology, The Jikei University School of Medicine)

S2 Surveillance and effective control of vector mosquitoes of dengue and zika virus in Japan
○Yoshio Tsuda (National Institute of Infectious Diseases)
**S3 Tick-borne viruses**
○Daisuke Hayasaka (Department of Virology, Institute of Tropical Medicine, Nagasaki University)

**S4 Control of schistosomiasis in sub-Saharan Africa: what role is left for medical malacology?**
○J. Russell Stothard (Liverpool School of Tropical Medicine)
Room B

Moderator: Yasushi Otsuka

9:00  B101  Water hyacinth floating on Lake Victoria and migration of possible intermediate host snails of *Schistosoma*.
○Kyoko Futami, Mihoko Kikuchi, Fumie Hara, Jinping Hu, Noboru Minakawa, Shinjiro Hamano (Institute of Tropical Medicine, Nagasaki University)

9:10  B102  Analysis of the genetic structure of *Aedes aegypti* found in Narita and Haneda Airport
○Jinping Hu1, Kentaro Itokawa2, Kyoko Futami1, Yukiko Higa1, Kyoko Sawabe2, Noboru Minakawa1 (1 Nekken, Nagasaki University 2 National Institute of Infectious Diseases)

9:20  B103  Global warming suppresses population growth of *Hyphantria cunea*
○Nobuko Tuno (Kanazawa University)

Moderator: Chizu Sanjoba

9:30  B104  Radiocesium contamination and transportation of cesium through feeding and metamorphosis in dipterous flies (Musciidae, Calliphoridae) in radioactive polluted area near the Fukushima Nuclear Power Plant—Surveys in 2015~2016—.
○Mitsuhiro Iwasa, Kósuke Sato (Obihiro University of Agriculture & Veterinary Medicine)

9:40  B105  Occurrence of Chironomid Midges from an Indoor Swimming Pool and Plans for their Control.
○Hirabayashi, K. (Shinshu University)

9:50  B106  Seasonal abundance and daily flying activity of black flies attracted to human baits in Amami-oshima, Japan
○Yasushi Otsuka1, Masako Fukuda2, Hiroyuki Takaoka3 (1Kagoshima Univ. 2Oita Univ. 3Univ. of Malaya)

10:00 (Break)

10:10  B107  Collections of adult black flies attracted to wild boar in Oita, Japan.
○Masako Fukuda1, Yasushi Otsuka2, Hiroyuki Takaoka3 (1Oita Univ. 2Kagoshima Univ. 3Univ. of Malaya)

Moderator: Noriyuki Komatsu

10:20  B108  The pattern of going out from a wood-hole harborage in a forest population of the smoky brown cockroach
○Hideakira Tsuji (KSK Institute for Environmental Biology)

10:30  B109  Duration of survival of the smoky-brown cockroach, *Periplaneta fuliginosa*, in the starvation state
○Yasuhiro Tomioka, Kazuyuki Tanaka, Goro Kimura, Tsutomu Tanikawa (Technical Research Laboratory, Ikari Shodoku Co., Ltd.)

Moderator: Mitsuhiro Iwasa

10:40  B110  Detection of a hybrid *Leishmania* from *Lutzomyia tejadae* in Peru

10:50  B111  The first record of Phlebotomine Sand fly (Diptera: Psychodidae, Phlebotominae) from Tokyo, Japan.
○Chizu Sanjoba, Satoko Omachi, Kai Sato, Yoshitsugu Matsumoto (Graduate School of Agricultural and Life Science, Univ. of Tokyo)

11:00  B112  Female genitalia of some tabanids inhabiting Hokkaido, Japan (Diptera: Tabanidae)
○CHAO YANG ・Sasaki Hitoshi (Rakuno Gakuen University)
11:10  (Break)

11:20  B113  The deer brought tabanid fly
○Watanabe M.  (Department of Medical Entomology, NIID)

Moderator: Nobuko Tuno

11:30  B114  A newly recorded species of the subfamily Pseudophyllodromiinae (Blattodea) from Iriomote Island.
○Noriyuki Komatsu¹, Hong-Keun Ooi², Naoki Bando³, Akihiko Uchida⁴ (¹Civil International Corporation, ²Azabu Univ., ³Super Buddies, ⁴Yamazaki Gakuen Univ.)

11:40  B115  On the Japanese name for Culex tritaeniorhynchus, the principal vector of Japanese encephalitis in Japan.
○Kiyoshi Kamimura (Marusan Pharma Biotech Co.)

11:50  B116  Implication for three distinct groups of Anopheles lindesayi in Japan by morphological and genetic analyses.
○Nozomi Imanishi¹, Yukiko Higa², Hwa Jen Teng³, Toshihiko Sunahara², Noboru Minakawa² (¹Biomedical Science, Nagasaki University, ²NEKKEN, Nagasaki University, ³CDC, Taiwan)

12:00  B117  Blood feeding related behavior of Culex tritaeniorhynchus around cow sheds
○Masahiro Takagi¹, Akira Sugiyama², Katsumi Maruyama³ (¹Omura, Nagasaki Pref., ²Nagoya Woman's Univ., ³Suzuka, Mie Pref.)

Room C

Moderator: Takeo Yamauchi

9:00  C101  Acari-borne infectious diseases recently found from Hokuriku to Kinki Districts: their endemic factors are common each other?
○Nobuhiro Takada¹, Masaru Natsuaki² (¹Facul. Med. Sci., Univ. Fukui, ²Hyogo Coll. Med., ³MFSS)

9:10  C102  Consideration on the species of human bite ticks—Referring to the cases in Noto district, Ishikawa Prefect.
○Yosaburo Oikawa and Manabu Murakami (Dept. Medical Zoology, Kanazawa Medical Univ.)

9:20  C103  Six cases of tick bites infested in foreign countries
○Masaru Natsuaki¹, Yasuhiro Yano², Nobuhiro Takada², Takuya Ito³ (¹Department of Dermatology, Hyogo College of Medicine, ²Faculty of Medical Sciences, University of Fukui, ³Hokkaido Institute of Public Health)

Moderator: Yasuhiro Yano

9:30  C104  An evaluation on removal of tick on patient: usefulness of tick twist method
○Fumihiko Mahara¹, Hiromi Fujita² (¹Mahara hospital, ²Mahara Institute of Medical Acarology)

9:40  C105  Trombiculid mite and tick species parasitized on green snakes of the genus Cyclophiops in Japan
○Mamoru Takahashi, Hitoko Misumi (Saitama Med. Univ.)

9:50  C106  Cross-sectional observation of tick with Focused Ion Beam Scanning Electron Microscope
○Hideki MATSUSHIMA, Syunzo KONDO, Toshiaki SUZUKI (JEOL Ltd.)

10:00  (Break)
April 15 (Sat)

Moderator: Mamoru Takahashi

10:10 C107 Crown length of maxillary molar row and body size indicated: environmental factors caused small mass in Norway rats (Rattus norvegicus) on the Hahajima Islands
○Tatsuo YABE1, Kazuo HORIKOSHI2 and Takuma HASHIMOTO3 (1 Tropical Rat-Control Committee, 2 Institute of Boninology, 3 Japan Wildlife Research Center)

10:20 C108 The inquiries on Masked palm civet in Tokyo and Japan pest control association
○Tanikawa T.1, 2, Tamada A.3 and Hirao M.4 (1 Tokyo Pest Control Association, 2 Japan Pest Control Association)

10:30 C109 Hemiclepsis marginata (Hirudinida: Glossiphoniidae) obtained from a breeding Japanese giant salamander (Andrias japonicus) in a zoological garden
Sachina Tanaka1, Yuki Taguchi2, Ayako Noda2, Nonoue Noriyuki2, ○Mitsuhiko Asakawa1 (1 School of Veterinary Medicine, Rakuno Gakuen University, 2 Hiroshima City Asa Zoological Park)

Moderator: Yoshihide Maekawa

10:40 C110 Effect of light trap size and location on capturing of Cigarette beetle, Lasioderma serricorne (F.) (Coleoptera: Anobiidae)
○Shingo Waguri1, Shoma Ogino2, Yasuki Kitashima2, Tetsuo Gotoh2 (1 Fuji Environmental Service Co., Ltd., 2 Faculty of Agriculture, Ibaraki University)

10:50 C111 Observation of mosquito skin penetration and blood suction using laboratory animal and inverted microscope
Haruki Yamamoto1, Tomokazu Takahashi1, Masato Suzuki1, ○Seiji Aoyagi1, Tomoyuki Hikitsuchi2, Yumi Kawajiri2, Koji Nakayama2 (1 Kansai Univewrsity, 2 Dainihon Jochugiku Co., Ltd.)

11:00 C112 Development of the bioassay device for evaluating mosquito repellency. (1) - Carbon dioxide as the improvement factors for blood feeding of Aedes albopictus.
○Kanya Kuramoto1, Takuya Mitsuhashi1, Yoshihiko Takahashi1, Akiko Watanabe1, Chiaki Tsurukawa2, Hitoshi Kawada2 (1 KAKEN TEST CENTER General Incorporated Foundation, 2 Institute of tropical medicine, Nagasaki University)

11:10 (Break)

Moderator: Kimio Hirabayashi

11:20 C113 Attraction of Aedes aegypti to physical and chemical factors to develop an autocidal ovitrap
○Takashi Tsunoda1, Nguyen Thi Dung1, Vi Quynh Trang1, Tran Vu Phong2, Noboru Minakawa1 (1 Institute of Tropical Medicine, Nagasaki University, 2 Vietnam Research Station, Nagasaki University, 3 National Institute of Hygiene and Epidemiology, Vietnam)

11:30 C114 Investigational production of redback spider (Latrodectus hasseltii) antivenom in Japan.
○Kyoko Sawabe1, Reona Mashiko2, Yoshihide Maekawa1, Kohei Ogawa1, Kentaro Itokawa1, 2, 3, Tomomi Sato1, 4, Haruhiko Isawa1, Yoshio Tsuda1, Mutsuo Kobayashi3, Takayuki Matsumura4, Manabu Ato5, Akihiko Yamamoto6, Toru Hifumi2 (1 Department of Medical Entomology, NIID, 2 Meiji University, 3 Japan Agency for Medical Research and development, 4 Graduate School of Agriculture, Meiji University, 5 Department of Immunology, NIID, 6 Division of Biosafety Control and Research, NIID, 7 Emergency Medical Center, Kagawa University Hospital)

Moderator: Tomoyuki Hashimoto

11:40 C115 Measures against insect stings in Fukushima prefecture decontamination areas (the 1st report)
○Shinya Mukae, Hiroki Sugioka, Sayaka Kikuta, Yukiko Miki, Ryoko Niwa, Taiji Ono, Tomoyuki Hikitsuchi, Yumi Kawajiri, Koji Nakayama (Dainihon Jochugiku Co., Ltd.)
11:50 C116 Measures against insect stings in Fukushima prefecture decontamination areas (the 2nd report)
○Hiroki Sugioka, Shinya Mukae, Ryoko Niwa, Taiji Ono, Tomoyuki Hikitsuchi, Yumi Kawajiri, Koji Nakayama (Dainihon Jochugiku Co., Ltd.)

12:00 C117 Repellent effects of insect repellents containing Icaridin as an active ingredient.
○Sayaka Kikuta, Yoko Kobayashi, Taiji Ono, Tomoyuki Hikitsuchi, Yumi Kawajiri, Koji Nakayama (Dainihon Jochugiku Co., Ltd.)
April 16 (Sunday)

Room A

Moderator: Takashi Tomita

9:00 A201 A cluster randomized controlled trial to assess the effectiveness of covering house eave gaps and ceilings with Olyset® Net for reducing risk of Plasmodium falciparum infection
- Noboru Minakawa¹, James O Kongere², George O. Sonye³, Beatrice Awuor³, Jinping Hu¹, Peter A. Lutiai³, Mercy Mwania², Hitoshi Kawada¹, Kyoko Futami¹, Sammy M. Njenga⁴(¹NEKKKEN, Nagasaki University, ²NUITM-KEMRI Project, NEKKKEN, Nagasaki University, ³ASK Project, Mbita, Kenya, ⁴Eastern and Southern Africa Centre of International Parasite Control, Kenya Medical Research Institute)

9:10 A202 Large scale field trial on malaria control using Metofluthrin devices in Malawi. (1) A study on the density-reduction effect of Metofluthrin strips to the malaria vector mosquitoes and their effect on the Plasmodium falciparum positive rates in children.
- Hitoshi Kawada¹, Shusuke Nakazawa¹, Kozue Shimabukuro², Kazunori Ohashi³, Eggrey Aisha Kambewa⁴, Dylo Foster Pemba⁴. (¹Nagasaki University, ²Nagano College of Nursing, ³Sumitomo Chemical Co., Ltd., ⁴Department of Biology, Chancellor College, University of Malawi)

9:20 A203 The effectiveness of newly formulated pyriproxyfen (Sumilarv® 2 MR) against Aedes mosquitoes found in school compounds in Yangon, Myanmar
- Sai Zaw Min Oo¹,², Noboru Minakawa¹, Yan Naung Maung Maung², Sein Thaung², Khin Myo Aye², Zar Zar Aung², Hlaing Myat Thu², Khin Yupar Soe³ and Kyaw Zin Thant². (¹Institute of Tropical Medicine, Nagasaki University, Japan, ²Department of Medical Research, Ministry of Health, Myanmar, ³Department of Medical Services, Ministry of Health, Myanmar)

Moderator: Hitoshi Kawada

9:30 A204 Insecticide susceptibility status of Aedes albopictus collected in Japan 2015
- Takashi Tomita¹, Shinji Kasai¹, Osamu Komagata¹, Kentaro Itokawa¹, Hideyoshi Maekawa¹, Yoshio Tsuda¹, Noboru Yaguchi², Kazuki Ogata³ (¹Department of Medical Entomology, National Institute of Infectious Diseases, ²Ikebukuro PHC, Toshima-ku Tokyo, ³Japan Environmental Sanitation Center)

9:40 A205 Pyrethorid resistance and knockdown resistance genes in Aedes mosquitoes collected from Vietnam
- Shinji Kasai¹, Takashi Tsunoda², Yoshihide Maekawa¹, Kentaro Itokawa¹,², Katsunori Murota¹,²,³, Osamu Komagata¹, Tran Chi Cuong¹, Tran Vu Phong¹, Nguyen Thi Yen¹, Vu Sing Nam⁴, Noboru Minakawa², Kyoko Sawabe¹, Takashi Tomita¹ (¹Department of Medical Entomology, National Institute of Infectious Diseases, ²Institute of Tropical Medicine, Nagasaki University, ³Japan Agency for Medical Research and Development (AMED), ⁴National Institute of Hygiene and Epidemiology, Vietnam)

9:50 A206 Field efficacy test using adulticides of lower dosage with various formulations to Aedes albopictus.
- Keiko Minagawa¹, Atsuhiko Muto¹, Tomoyuki Hashimoto¹, Tohru Kazuma¹, Tomohiro Horiguchi¹, Yoshio Tsuda², Yoshihide Maekawa¹, Kyoko Sawabe² (¹Japan Environmental Sanitation Center, ²National Institute of Infectious Diseases)

Moderator: Shinji Kasai

10:00 (Break)

10:10 A207 Pyriproxyfen Adsorption to A-PET and Humic Acid Sodium Salts in Water
- KOMAGATA Osamu, ITOKAWA Kentaro, KASAI Shinji, TOMITA Takashi (Department of Medical Entomology, National Institute of Infectious Diseases)

10:20 A208 Control of mosquito larvae inhabiting in catch basin using pyriproxyfen and the mechanisms contributing its biological efficacy
- Kazunori Ohashi (Sumitomo Chemical Co., Ltd.)
10:30 A209  A genetic study of pyriproxyfen-resistance in *Culex pipiens* form *molestus*
◯Kentaro Itokawa¹, Osamu Komagata¹, Shinji Kasai¹, Takashi Tomita¹ (¹Natl Inst Infect Dis, ²AMED)

**Moderator: Masaaki Sugiura**

10:40 A210  Mode of entry of a vaporized pyrethroid knockdown agent into the body of the housefly, *Musca domestica* (Diptera: Muscidae)
◯Yusuke Sumita¹,², Hitoshi Kawada¹, Noboru Minakawa¹ (¹Institute of Tropical Medicine (NEKKEN), Nagasaki University ²Health & Crop Sciences Research Laboratory, Sumitomo Chemical Company Limited)

10:50 A211  Resin net impregnated with Permethrin have an inhibition efficacy against invasion of the biting midges into a hog-pen.
Kanasugi, Takao¹, Narumi, Shun², ◯Sasaki, Hitoshi² (¹Gunma Insect World, ²Rakuno Gakuen University)

11:00 A212  Evaluation of ethofenprox on *Leptoconops* (*Leptoconops*) *taiwanensis* adult.
◯Goro Kimura¹, Akira Nakamoto², Tomomitsu Uezu³, Takao Kanasugi¹ (¹Ikari Shodoku Co., Ltd. ²Ikari Shodoku Okinawa Co., Ltd. ³Kumejima town hall  Gunma Insect World)

11:10 (Break)

**Moderator: Goro Kimura**

11:20 A213  Factors of insecticidal resistance reduction of resistant strain insect by continuous breeding
◯Masaaki Sugiura (Fumakilla Limited)

11:30 A214  Development of cockroach repellent with Japanese mint oil
◯Natsuki Sugano, Cho ho, Akira Nitto (Earth Chemical Co., Ltd.)

◯Naoko Ikeda, Hiroyuki Inami, Yoshiaki Yoshioka (Osaka Pharmaceutical Co., Ltd.)

11:50 A216  Field evaluation of 4 acaricides on ticks in the confined space
◯Tomoyuki Hashimoto¹, Keiko Minagawa¹, Tohru Kazuma¹, Atsuhiko Muto¹, Shinji Kasai², Yoshihide Maekawa², Mamoru Watanabe², Takashi Tomita², Osamu Komagata², Kyoko Sawabe², Takeo Yamauchi³, Miyako Shiraiishi³, Hideaki Ooishi³ (¹Japan Environmental Sanitation Center, ²National Institute of Infectious Diseases ,³University of Hyogo, ⁴Hyogo Prefecture, ⁵Toyooka City)

**Moderator: Hitoshi Kawada**

13:30 Open Session: How to treat common medically important animals
O1 Acari
◯Takashi Tsunoda (Institute of Tropical Medicine, Vietnam Research Station, Nagasaki University)

O2 Cockroaches
◯Masaaki Sugiura (Fumakilla Limited)

O3 How to reduce common mosquitoes
◯Toshihiko Sunahara (Institute of Tropical Medicine, Nagasaki University)

O4 How to use insecticide
◯Tsutomu Tanikawa (Technical Research Laboratory, Ikari Shodoku Co., Ltd)
Room B

Moderator: Hiroki Kawabata

9:00 B201 Survey of SFTS virus and spotted fever group rickettsia in tick recovered from pets in Fukuoka
○ Yuki Ashizuka, Takayuki Kobayashi, Hideaki Yoshitomi, Asako Nakamura, Jumboku Kajiwara (Fukuoka Institute of Health and Environmental Sciences)

9:10 B202 Transmission cycle of tick-borne viral diseases in Japan
○ Shimoda H, Mizuno J, Nguyen van D, Yonemitsu K, Minami S, Nagata N, Kuwata R, Takano A, Maeda K (Yamaguchi University)

9:20 B203 Molecular detection of Anaplasma phagocytophilum from peripheral blood of a dog with fever and thrombocytopenia
○ Mako Morikawa 1, Mizuki Anraku 1, Yuichi Fukui 2, Hisashi Inokuma 1 (1 Department of Clinical Veterinary Science, Obihiro University of Agriculture & Veterinary Medicine, 2 Komachi Animal Hospital)

9:30 B204 Molecular and serological survey of Anaplasma phagocytophilum infection of dogs and ticks in Tsukuba, Ibaraki Prefecture, where a canine clinical case of A.phagocytophilum infection had occurred.
○ Mizuki Anraku 1, Mako Morikawa 1, Yuichi Fukui 2, Hisashi Inokuma 1 (1 Department of Clinical Veterinary Science, Obihiro University of Agriculture & Veterinary Medicine, 2 Komachi Animal Hospital)

Moderator: Nobuhiro Takada

9:40 B205 Investigation of new antigen for serodiagnosis system on Borrelia miyamotoi disease.
○ Kozue Sato1, Yumi Kumagai1, Kimiaki Yamano2, Makoto Ohnishi1, Hiroki Kawabata1 (National Institute of Infectious Diseases1, Hokkaido Institute of Public Health2)

9:50 B206 Emerging relapsing fever : Is important as the differential diagnosis of SFTS ?
○ Hiroki Kawabata1, Kozue Sato1, Yumi Kumagai1, Shuetsu Fukushi2, Masayuki Shimojima1, Masayuki Saijo1, Kimiaki Yamano2, Makoto Ohnishi1 (National Institute of Infectious Diseases1, Hokkaido Institute of Public Health2)

10:00 (Break)

10:10 B207 Inference of the infection time from the situation of pathogens in ticks
○ Y. Yano (Faculty of Medical Sciences, University of Fukui)

10:20 B208 Acinetobacter from body lice in homeless people
○ Toshinori Sasaki1, Mayumi Kubota2, Kazuto Itoh3, Takuya Yamagishi4, Maki Kawasaki3, Daisuke Jubishi3, Maki Hirao3, Haruhiko Isawa1, Tomohide Adachi3, Kazunori Oishi4, Keigo Shibayama2, Kyoko Sawabo1 (1 Department of Medical Entomology, National Institute of Infectious Diseases, 2 Department of Bacteriology II, 3 Tokyo Saiseikai Central Hospital, National Institute of Infectious Diseases, 4 Infectious Disease Surveillance Center, National Institute of Infectious Diseases)

Moderator: Kyoko Sawabe

10:30 B209 What reason bring under control of the Japanese encephalitis in Japan?
○ Kamimura, K. (Marusan Pharma Biotech Co.)

10:40 B210 Investigation of mosquito situation around the pigpen in Ishikawa prefecture, and JE virus distribution (2010-2016).
○ Manabu Murakami1, Yosaburo Oikawa1, Kiyoshi Kamimura2 (1 Medical Zoology, Kanazawa Medical University, 2 Marusan Pharma Biotech Corporation)
10:50 B211 Sero-surveillance of Japanese encephalitis and Getah viruses infection in Wild boar in Japan
○Kuwata R¹, Shimoda H¹, Sugiyama H¹, Phichitrasilp T², Nuansri N², Khomkrajang S², Srinivat T², Buadok W², Prasertsincharoen N², Jittapalapong S², Rerkamnuaychok W², Maeda K¹ (¹Yamaguchi University, ²Kasetsart University)

Moderator: Ryusei Kuwata

11:00 B212 Vector competence of Culex tritaeniorhynchus for Akabane virus
○Tohru Yanase, Tomoko Kato, Hirotaka Horiwaki, Hiroaki Shirafuji, Shogo Tanaka (National Institute of Animal Health, NARO)

11:10 (Break)

11:20 B213 Analysis of viruses isolated from Aedes mosquitoes in Vietnam
○Katsunori Murota¹,², Daisuke Kobayashi¹,²,³, Ryosuke Fujita¹,², Kentaro Itokawa¹,², Yoshihide Maekawa¹, Shinji Kasaï¹, Takashi Tsunoda¹, Noboru Minakawa¹, Tran Chi Cuong⁵, Tran Vu Phong⁵, Nguyen Thi Yen⁵, Vu Sinh Nam⁵, Haruhiko Isawa¹, Kyoko Sawabe¹ (¹Department of Medical Entomology, National Institute of Infectious Diseases, ²Japan Agency for Medical Research and Development (AMED), ³Department of Environmental Parasitology, Tokyo Medical and Dental University, ⁴Institute of Tropical Medicine, Nagasaki University, ⁵National Institute of Hygiene and Epidemiology, Vietnam)

11:30 B214 Entomological surveillance and analysis of arbovirus infections in Ghana in 2016
○Daisuke Kobayashi¹,²,³, Shohei Kimura¹, Haruhiko Isawa², Kentaro Itokawa²,³, Katsunori Murota²,³, Ryosuke Fujita²,³, Nana Antwi⁴, Deborah Pratt⁵, Esinam Agbosu⁵, Mitsuko Ohashi¹, Kofi Bonney⁵, Samuel Dadzie⁵, Kyoko Sawabe², Nobuo Ohta¹ (¹Department of Environmental Parasitology, Tokyo Medical and Dental University, ²Department of Medical Entomology, National Institute of Infectious Diseases, ³JSPS Research Fellow DC1, ⁴AMED, ⁵NMIMR, University of Ghana)

Moderator: Masahiro Takagi

11:40 B215 Study of mosquito larval behavior for teaching materials of science I. behavior and life history trait
○Shin-ya Ohba and Mitsuru Noine (Faculty of Education, Nagasaki University)

11:50 B216 Study of mosquito larval behavior for teaching materials of science II. Establishment of simple observation method for students
○Shin-ya Ohba and Mitsuru Noine (Faculty of Education, Nagasaki University)

12:00 B217 Activities for mosquito-borne diseases education: report on “World Mosquito Day: let’s learn about mosquito and mosquito-borne diseases”
○IMANISHI Nozomi¹,², MORIYASU Taeko¹,², SHIMADA Satoshi¹,², FUJIOKA Atsushi¹,², YOSHIHARA Keisuke¹,², KEGAWA Yuto¹,², ISHIZAKI Takahiro¹,², BABA Yukiko¹,², SUNAHARA Toshihiko¹,³, ICHIMORI Kazuyo³ (¹Executive Committee of World Mosquito Day, Nagasaki Univ., ²Biomedical Sciences, Nagasaki Univ., ³NEKKEN, Nagasaki Univ., ⁴LF-NTD, Nagasaki Univ.)