Modestor: 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. Lutiali², 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 (¹Natl Inst Infect Dis, ²Ikebukuro PHC, Toshima-ku Tokyo, ³Jpn Env Sanit Ctr)

9:40 A205  Pyrethorid resistance and knockdown resistance genes in *Aedes* mosquitoes collected from Vietnam

○Shinji Kasai¹, Takashi Tsunoda², Yoshihide Maekawa¹, Kentaro Itokawa¹,³, Katsunori Murota¹,³, Osamu Komagata¹, Tran Chi Cuong⁴, Tran Vu Phong⁴, Nguyen Thi Yen⁴, Vu Sinh 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 Maekawa², Kyoko Sawabe² (¹Japan Environmental Sanitation Center, ²National Institute of Infectious Diseases)

10:00 (Break)

Moderator: Shinji Kasai

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 Kanasugi⁴ (¹Ikari Shodoku Co., Ltd. ²Ikari Shodoku Okinawa Co., Ltd. ³Kumejima town hall ⁴Gunma 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)
Room A  
April 16 (Sun)

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 Shiraishi⁴, Hideaki Ooishi⁵
  (¹Japan Environmental Sanitation Center, ³National Institute of Infectious Diseases, ³University of Hyogo, ⁴Hyogo Prefecture, ⁵Toyooka City)

13:30 Open Session: How to treat common medically important animals

**Moderator: Hitoshi Kawada**

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)
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 (¹Department of Clinical Veterinary Science, Obihiro University of Agriculture & Veterinary Medicine, ²Komachi 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(¹Department of Clinical Veterinary Science, Obihiro University of Agriculture & Veterinary Medicine, ²Komachi 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)
Room B  April 16 (Sun)

9:50 B206  Emerging relapsing fever: Is important as the differential diagnosis of SFTS?
○ Hiroki Kawabata¹, Kozue Sato¹, Yumi Kumagai¹, Shuetsu Fukushi¹, 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 Kawasaki², Daisuke Jubishi³, Maki Hirao³, Haruhiko Isawa¹, Tomohide Adachi³, Kazunori Oishi⁴, Keigo Shibayama², Kyoko Sawabe¹ (1Department of Medical Entomology, National Institute of Infectious Diseases, ²Department of Bacteriology II, ³Tokyo Saiseikai Central Hospital, National Institute of Infectious Diseases, ⁴Infectious 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 Murakami ¹, Yosaburo Oikawa ¹, Kiyoshi Kamimura ²
(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
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 Kobayashi²,³, Ryosuke Fujita¹,², Kentaro Itokawa¹,², Yoshihide Maekawa¹, Shinji Kasai¹, Takashi Tsunoda⁴, Noboru Minakawa⁴, 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 Itokawa²,⁴, Katsunori Murota²,⁴, Ryosuke Fujita²,⁴, Nana Antwi⁵, 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
Room B
April 16 (Sun)

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 Yukiko¹,⁴, SUNAHARA Toshihiko¹,³, ICHIMORI Kazuyo¹,⁴ (¹ Executive Committee of World Mosquito Day, Nagasaki Univ. ² Biomedical Sciences, Nagasaki Univ., ³ NEKKEN, Nagasaki Univ. ⁴ LF-NTD, Nagasaki Univ.)