**The 6th International Forum for Surveillance and Control of**

**Mosquitoes and Vector-borne Diseases (IFSCMVD)**

**in Conjunction with 4th Meeting of the ASVEMC and 12th Conference of Medical and**

**Entomology of the Entomological Society of China**

**Xiamen, China, May 26-30, 2019**

***Meeting Theme: Memorizing the history and exploring the future for Control of Mosquitoes and Vector--borne Diseases***

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**Program (tentative)**

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| **May 26, 2017 (Sunday)** | |
| **1:00 p.m. Registration** | |
| **4:00 p.m. IFSCMVD committee meeting** | |
| **5:00 p.m. The Asia Society of Vector Ecology & Mosquito Control (ASVEMC): Committee/Board meetings** | |
| **May 27, 2017 (Monday)** | |
| **7:30 a.m.** | **Registration** |
| **8:00 a.m.** | **The 4th Meeting of the ASVEMC by Dr. Tong-Yan Zhao, Executive Director of the ASVEMC**  **ASVEMC’s awards presented by Dr. Gunter C. Muller, President of the ASVEMC**  **SOVE’s awards presented by Dr. Uli Bernier, President of the SOVE**  **The ASVEMC’s new officer installation by Dr. Uli Bernier, President of the Society of Vector Ecology** |
| **Opening Panel Session for the 6th IFSCMVD.**  **Moderators: Dr. Tong-Yan Zhao (China) and Dr. Rui-De Xue (USA)** | |
| 8:20 a.m. | **Conference Presidential Address:** Dr. Rui-De Xue, Director, Anastasia Mosquito Control District, St. Augustine, Florida, USA.  **The Past and future about the IFSCMVD** |
| 8:25 a.m. | **Welcome**: Dr. Le Kang, Chairman, Chinese Entomological Society, |
| 8:30 a.m. | Welcome, Dr. Yansong Sun, Beijing Institute of Microbiology and Epidemiology, Beijing, China |
| 8:35 a.m. | **Keynote Speaker**: Dr. Graham B. White, Emeritus Professor, University of Florida, Gainesville, FL, USA. **Patrick Manson - progenitor of medical entomology: from his inspiration by China to current elimination of malaria and filariasis** |
| 9:10 a.m. | **Keynote Speaker: Dr. Le Kang, Future of Entomology,** Chairman, Chinese Entomological Society |
| 9:40 a.m. | **Guest speaker**: Dr. Wu-Chun Cao. Professor. Institute of Microbiology and Epidemiology, Beijing, China. **Update about tick-borne diseases in China** |
| **10:00 a.m. Break. Take picture in outside building** | |
| **Moderators: Dr. Graham B. White (USA) & Dr. Qi-Yong Liu (China)** | |
| 10:20 a.m | Dr. Xiao-Nong Zhou, Director, National Institute for Parasitic, Disease Prevention and Control, CDC, [National Malaria Elimination](http://en.ipd.org.cn/articletype/detail.php?id=57&bigs=3&smalls=15) of China |
| 10:40 a.m. | Dr. Tong-Yan Zhao, Director, Dept. of Vector Biology and Control, Beijing Institute of Microbiology and Epidemiology, Beijing, China, **The past, present, and future of Medical Entomology in China** |
| 10:55 a.m. | Dr. Qi-Yong Liu, Professor and Director, Department of Vector Biology and Control, National Institute for Communicable Disease Prevention and Control, CDC, Beijing, China.  **Past, present, and future of malaria vector surveillance and control in China** |
| 11:10 a.m. | Dr. Err-Lieh Hsu, Professor Emeritus, National University of Taiwan, Taipei, Dr. Hsiu-Hua Pai, Professor & Vice Present of Kaohsiung University,  Kaohsiung. **The past, present, and future of Vector-boren Diseases in Taiwan** |
| 11:25 a.m. | Dr. Uli Bernier, National Program Leader, USDA/ARS, USA. **The contributions and achievements of the USDA/ARS for Medical, Veterinary, and Urban Entomology** |
| 11:40 a.m. | Dr. Gunter C. Muller, Visiting Professor, The Hebrew University of Jerusalem, Israel. **The past, present and future about** **Attractive Toxic Sugar Baits for mosquito control** |
| 12:00 noon-1:00 p.m. **Lunch Break** | |
| **Session 1: Disease Surveillance**  **Moderators: Dr. Dan Kline (USA) and Dr. Chun-Xiao Li (China)** | |
| 1:00 p.m. | Dr. Michael Turell**.** Adjunct Senior Arbovirologist, AMCD, St. Augustine, FL. **The risk of importation and spread of Zoonotic versus Anthroponotic viruses** |
| 1:20 p.m. | Dr. Jonas Schmidt-Chanasit, Bernhard Nocht Institute for Tropical Medicine, WHO Collaborating Centre for Arboviruses, Hamburg, Germany. **The German arbovirus surveillance and mosquito monitoring program, 2017-2018** |
| 1:40 p.m. | Dr. Ren-Jie Hu, Supervisorial Biologist, California DOH, **Surveillance of *Aedes albopictus* Skuse in California, USA** |
| 1:55 p.m. | Dr Guo-Dong Liang, Professor, Institute for Viral Disease prevention and Control, China CDC, Beijing. **West Nile Virus and its infection in China** |
| 2:10 p.m. | **Dr.** Li-feng Lin, Deputy Director, Guangdong CDC, Guangzhou, China. **Surveillance of Dengue and its vector mosquito population in Guangzhou** |
| 2:25 p.m. | Dr. Cheng Gong, Professor, Tsinghua University, Beijing, China? |
| 2:40 p.m. | Dr. Jun Sun, Director & Professor, Jiangsu Province Blood Center, Nanjing, China. |
| **3:00 p.m. Break**. | |
| **Session 2: Genetics & Biology**  **Moderators: Dr. Theeraphap Charconviryyaphap (Thailand)**  **& Dr. Jerry Zhu (USA)** | |
| 3:20 p.m. | Dr. Randy Gaugler, Distinguished Professor, Devi Suman, Yi Wang, and Kshitij Chandel, Rutgers University, New Jersey, USA. **Development of a Blood-free Feeding System for *Aedes albopictus*.** |
| 3:35 p.m. | Dr. Zhi-Ming Yuan, Professor, Wuhan Institute of Virology, CAS, Wuhan. |
| 3:50 pm | Dr. Chun-Xiao Li, Associate Professor, Beijing Institute of Microbiology and Epidemiology, Beijing. |
| 4:05 p.m. | Dr. Jia-Hong Wu, Professor, Guizhou Medical University, Guiyang, China |
| 4:20 p.m. | Shi Chao, Wuxi CDC. **A novel rotated traps for detection of diel activity patterns of adult vector mosquitoes in St. Augustine, FL** |
| 4:35 p.m. | Dr. Tianci Yang. Hangzhou Custom  Area of PR China |
| 4:50 p.m. | Dr. Hong-Liang Chu, Director, Institute of Vector-borne diseases and disinfection, Jiangsu CDC. Analysis of population genetic characteristics of *Culex tritaeniorhychus*. |
| 5:05 p.m. | Mr. Herbert Nyberg, CEO, New Mountain Innovations, Inc., Niantic, CT. USA. Novel revelations of larval respiration identified from acoustic larvicide. |
| 5:20 p.m. | Company: Bayer |
| 5:30 pm | **Dinner** |
| **May 28 (Tuesday)** | |
| **7:30 a.m. Registration** | |
| **Session 3: Surveillance & Control**  **Moderators: Dr. Uli Bernier (USA) & Dr. Err-Lieh Hsu (Taipei)** | |
| 8:00 a.m. | Dr. Luo Lei, Guangzhou CDC, **Evaluation of adultcide and larvicide mixtures against larval and adult mosquitoes** |
| 8:15 a.m. | Dr. Hoonbok Yi, Professor, Seoul Women University, **The field-trial experiment to reduce the massive mosquito population by using the countable smart mosquito traps and the eco-friendly mosquito traps (Moshole pro) at the recreation area in south Korea** |
| 8:30 a.m. | Dr. Xiao-Guang Chen. Dean & Professor, College of Public Health and Tropic Medicine, Southern Medical University ? |
| 8:45 a.m. | Mrs. Ding Zhu, Director, Department of Vector-borne Disease, Wuxi CDC. **Modifying AGO traps against gravid *Aedes* mosquitoes in St. Augustine, FL** |
| 8:50 a.m. | Dr. B.K. Tyagi, President, Society of Medical Arthropodology, Jodhpur-342005, India. Emergence of malaria epidemics in the Thar Desert (Western Rajasthan, India) through duo *Anopheles stephensi Liston and An. culicifacies* Giles: Evolution of a new paradigm Desert Malaria |
| 9:05 a.m. | Dr. Dan Kline, Research Entomologist, USDA/ARS/CMAVE, Gainesville, FL. **Update about spatial repellents against mosquitoes** |
| 9:20 a.m. | Dr. Bao Sheng |
| 9:35 a.m. | Dr. Si-Bao |
| 9:50 a.m. | Company: Gongcheng |
| **10:00 a.m. Break**  **Session 4: Biology & Control of** *Aedes* **mosquitoes** | |
| **Moderators: Dr. Abu Ahmad (Malaysia) & Dr. Peter Jiang (USA)** | |
| 10:20 a.m. | Dr. Peter Jiang, Director, Gainesville, Mosquito Control Division, Gainesville, FL. **Evaluation of residual larvicide treated plant saucers against *Aedes albopictus* larvae in semi and field conditions** |
| 10:35 a.m. | Dr. Yi Wang, Dr. Randy Gaugler, Rutgers University, New Jersey, USA. **Proactive Mosquito Control - Targeting Larval Habitats** |
| 10:50 a.m. | Mrs. Hui Liu, Jiangsu CDC, Nanjing. **AGO traps baited with lures against *Aedes aegypti*** |
| 11:05 a.m. | Dr. Ji He, Xiamen Custom District |
| 11:20 a.m. | Mr. Benedicte Fustec, H.J. Overgaard, T. Panichat, S. Aromseree, C. Pientong, T. Ekalaksanannan, K. Thaewnonigiew, N. Alexander, M.J. Bang, V. Corbet. Universitte Montpellier, Montpellier, France. **Aedes exposure and dengue transmission, a difficult relationship: lessons from a prospective ongoing case-control study in northeaster Thailand** |
| 11:35 a.m. | Dr. Jin-Wen |
| 11:50 a.m. | Company: LongRay |
| **12:00 noon. Lunch Break** | |
| **Session 5. Medical and Veterinary Entomology.**  **Moderators:** **Dr. Jerry Hogsette (USA) & Dr. Xingping Hu (USA)** | |
| 1:00 p.m. | Dr. Alongkot Ponlawat, Chief, Vector Biology and Control section, Department of Entomology, USAMC-AFRIMS Bangkok, Thailand. **??** |
| 1:15 p.m. | Dr. Zheng Zou, IOZ |
| 1:30 p.m. | Mr. Herbert Nyberg, CEO, New Mountain Innovations, Inc. Niantic, CT, USA. **New Urban application of Larvasonic® technology, lethal acoustic ovitrap and permanent cistern float** |
| 1:45 p.m. | Dr. Jerry Hogsette, Research Entomologist, USDA/CMAVE, Gainesville. **Trap technology for surveillance and control of filth and biting flies** |
| 2:00 p.m. | Dr. Kun-Hsien Tsai, Associate Professor, College of Public Health, National Taiwan University, Taipei. Taiwan. Investigation of the new emerging vector-borne rickettsial disease in Taiwan |
| 2:15 p.m. | Dr. Xingping Hu, Professor, Seun Qladipupo, Arthur Appel, Department of Entomology and Plant Pathology, Auburn University, Auburn, AL, USA. **Toxicity profiles of aromatic and aliphatic essential oil components against strains of the German cockroach, *Blattella germanica*.** |
| 2:30 p.m. | Mr. Amir Galili, CEO, The Westen Innovation, LLC. Israel. **Update about the ATSB formulation development** |
| 2:45 p.m. | Kanya Kuramoto, T. Mitsuhashi, T. Saito, Y. Takahashi, A. Watanabe, S. Harada, Kaken Test Center, Osaka, Japan. C. Tsurukawa, Y. Morimoto, H. Kawada, Institute of Tropical Medicine, Nagasaki University, Japan. **Development of the bioassay device for evaluating mosquito repellency.** |
| **3:00p.m. Break** | |
| **Session 6. Behavior & Ecology**  **Moderators: Dr.** **Randy Gaugler (USA**) **& Dr. Xiao-Xia Guo (China)** | |
| 3:20 p.m. | Dr. Matan Shelomi. National Taiwan University. Taiwan. Bacterial and Eukaryote Microbiomes of Mosquito Habitats in Dengue-Endemic Southern Taiwan |
| 3:35 p.m. | Dr. Xiao-Xia Guo, Associate Professor, Beijing Institute of Microbiology and Epidemiology, |
| 3:50 p.m. | Dr. Yong Zhang, Beijing CDC |
| 4:05 p.m. | Dr. Huaiping Zhu, Professor, York University, Canada. **Weather-based forecasting of mosquito-borne disease outbreaks in Canada** |
| 4:20 p.m. | Dr. Jerry Zhu. Research Entomologist, USDA/ARS, Lincoln, Nebraska, USA. **Is this the best blood-sucking repellent after DEET: Universal and long-lasting natural product repellent compounds discovered from coconut oil** |
| 4:35 p.m. | Dr. Peien Leng, Shanghai CDC |
| 4:50 p.m. | Jirod Nararak and Teeraphap Charconvirryyaphap Professor, Kasetsart University, Bangkok, Thailand. **Excito-repellent activity of sesquiterpene compound against *Aedes aegypti* and *Anopheles minimus*.** |
| 5: 05p.m. | **Dr. Ling-Ling** |
| 5:20 p.m. | **Dr. Lei Xu, China CDC** |
| 5:35 p.m. | **Dinner** |
| **May 29 (Wednesday).**  **7:30a.m. Registration** | |
| **Session 7: Control of vector mosquitoes**  **Moderators: Dr. K. Murugan (India) & Dr. Gunter Muller (Israel)** | |
| 8:00 a.m. | Kadarkarai Murugan1 , Devakumar Dinesh1,Jiang-Shiou Hwang2, Rui-De Xue3 Lizhe Cai4, Lan Wang 5. 1Division of Entomology, Department of Zoology, Bharathiar University, Coimbatore, 641046, India. 2Institute of Marine Biology, National Taiwan Ocean University, Keelung, Taiwan.3 Anastasia Mosquito Control District 500 Old Beach Road St. Augustine, FL, USA. 4College of the Environment and Ecology, Xiamen University, Xiamen, China. 5 School of Life Science, Shanxi University, Shanxi, China. **Larvicidal, pupicidal, and ovicidal toxicity effect of Sardine fish scales synthesized silver nanoparticles against malarial vector *Anopheles stephensi* and its Impact on Predation of Non-target Mosquito Fishes** |
| 8:20 a.m. | Dr. Gregg White, Assistant Director, Salt Lake City Mosquito Control District, Salt Lake City, **Surveillance and control of vector mosquitoes in Salt Lake City, UT** |
| 8:35 a.m. | Dr. Abu Hassan Ahmad, Professor, School of Biological Sciences, Universiti Sains Malaysia, 11800 Penang, Malaysia.  **Dengue vector mosquito control in Malaysia** |
| 8:50 a.m. | Manop Saeung & Dr. Teeraphap Charconvirryyaphap Professor, Kasetsart University, Bangkok, Thailand. **Evaluation of light emitting diode (LED) light traps against *Culex quinquefasciatus*.** |
| 9:05 a.m. | Mr. Dennis Wallette, Director, TMAO, Hammond, LA. USA. **Program overview of the Tangipahoa Mosquito Abetment District** |
| 9:20 a.m. | Mr. James Clauson, Director, Beach Mosquito Control District, Panama, Florida, USA. **Overview of the** **Beach Mosquito Control programs in Florida** |
| 9:35 a.m. | Dr. Qian Han, Professor, Hainan University, Haikou, China |
| 9:50 a.m. | Company |
| **10:00 a.m. Break** | |
| **Session 8: Insecticides and Resistance**  **Moderators: Dr. Nannan Liu (USA) & Dr. Feng-Xia Meng (China)** | |
| 10:20 a.m. | Dr. Nannan Liu. Professor , Department of Entomology and Plant Pathology. Auburn University, Auburn, AL. USA**. Mosquito Resistance: The Impact, Challenge, and Perspectives.** |
| 10:40 a.m. | Dr. Ya-Jun Ma, Professor, Second Military Medical University, Shanghai, China |
| 10:55 a.m. | Dr. Hitoshi Kawada1\*, Yukiko Higa2, Kyoko Futami1, Ganesh Rai3, Shiba Kumar Rai3, Takashi Suzuki4. 1Institute of Tropical Medicine, Nagasaki University, Nagasaki, Japan. 2Departmanet of Medical Entomology, National Institute of Infectious Diseases, Tokyo, Japan  3Shi-Gan International College of Science and Technology, Kathmandu, Nepal. 4Faculty of Health Science, Kobe-Tokiwa University, Kobe, Japan. **Pyrethroid Resistance Status of *Aedes aegypti* and *Aedes albopictus* Populations in Nepal** |
| 11:10 a.m. | Dr. Wei-Long Tan. Associate Professor. CDC, Nanjing |
| 11:25 a.m. | Dr. Feng-Xia Meng, Professor, Department of Vector Biology and Control, China CDC, National Institute for Communicable Disease Prevention and Control, Changping, Beijing, **Update about insecticide resistance in *Aedes* vectors in China** |
| 11:40 a.m. | Dr. Teeraphap Charconvirryyaphap Professor, Kasetsart University, Bangkok, Thailand. **Temephos resistance in Aedes aegypti in GMS.** |
| 11:55 a.m. | Company |
| **12:05 p.m. Lunch Break** | |
| **Session 9: Physiology and Ecology**  **Moderators: Dr. Michael Turell (USA) & Dr. Yi Wang (USA)** | |
| 1:05 p.m. | Dr. Bin Chen. Professor & Dean of College of Life Science, Chongqing Normal University, Chongqing, China?? |
| 1:20 p.m. | Dr. Xue-Li Zheng, Professor, Southern Medical University, Guangzhou, China. ?? |
| 1:35 p.m. | Dr. Mao-Qing Gong. Professor, Shandong Institute of Control of Parasitic Disease, Shandong, China. ?? |
| 1:50 p.m. | Dr. Yi Zhang, National Institute for |
| 2:05 p.m. | Dr. Ai-Hua Zheng, IOZ |
| 2:20 p.m. | Dr. Hui-Ling Hao |
| 2:35 p.m. | Dr. Yu\_Hong Guo, Proefssor, Department of Vector Biology and Control, China CDC, National Institute for Communicable Disease Prevention and Control, Changping, Beijing. |
| 2:50 p.m. | Company |
| 3:00 p. m. | **Break** |
| **Session 10. Others, Programs & Associations**  **Moderators: Mr. James Clauson (USA) & Dr. Ming-Hao Zhou (China)** | |
| 3:20 p.m. | Chris Daeyun Kim & Dr. Teeraphap Charconvirryyaphap Professor, Kasetsart University, Bangkok, Thailand. **High-throughput (HITSS) assay for screening chemical lures from *Aedes, Culex,* and *Anopheles* mosquitoes.** |
| 3:30 p.m. | Dr. Jian Gao. China CDC, National Institute for Communicable Disease Prevention and Control, Changping, Beijing. |
| 3:40 p.m. | Dr. Feng-Xia Meng. Professor, Department of Vector Biology and Control, China CDC, National Institute for Communicable Disease Prevention and Control, Changping, Beijing. **Update about Chinese Society of Vector Biology and Control** |
| 3:50 p.m. | Dr. Uli Bernier, Vice President of the Society of Vector Ecology, USDA/CMAVE, Gainesville, FL,USA, **Update on Society for Vector Ecology** |
| 4:00 p.m. | Dr. Rui-De Xue, Executive Director, World Mosquito Control Association (WMCA). **Update about the WMCA** |
| 4:10 p.m. | Dr. Ming-Hao Zhou, Director, Jiangsu CDC. **Update about the Asian SVEMC** |
| 4:20 p.m. | Dr. Tong-Yan Zhao, Chair, Medical and Veterinary Entomology, ESC. **Update about the MVE of the ESC** |
| 4:30 p.m. | Dr. Xiu-Hua Pei, President of the **Taiwan Environmental Pest Management Association** |
| 4:40 p.m. | **Chinese Pest Control Association** |
| 4:50 p.m. | **Chinese Association of the Parasitology & Tropical Medicine** |
| **5:00 p.m. Dinner** | |
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| **May 30 (Thursday)** | |
| **7:30a.m-11:30a.m. Field trip to Xiamen City based on requests** | |