

# The 6<sup>th</sup> International Forum for Surveillance and Control of Mosquitoes and Vector-borne Diseases (IFSCMVD)

in Conjunction with the 4<sup>th</sup> Meeting of the ASVEMC and 12<sup>th</sup> Conference of Medical 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*

## EXECUTIVE COMMITTEE

Dr. Rui-De Xue, Conference President  
Dr. Tong-Yan Zhao, Program Chair  
Dr. Chun-Xiao Li, Secretary General  
Dr. Uli Bernier, President of the SOVE  
Dr. Gunter C. Muller, President of the ASVEMC  
Dr. Qi-Yong Liu, Past President of the ASVEMC

## **Conference Council:**

Ken Linthicum	Wu-Chun Cao	Yan-Song Sun
Abdul Althbyani	Err-Lieh Hsu	Sekou F. Traore
K. Murugan	Gunter C. Muller	Daniel Strickman
Theeraphap Charconviryyaphap	Hoonbok Yi	Major Dhillon
Graham B. White	Abu Hassan Ahmad	Randy Gaugler
Paul Reiter	Wen-Tao Li	Idefonso Fernandez-Salas
Jonas Schmidt-Chanasit	Huaiping Zhu	

## **Program Committee:**

Tong-Yan Zhao (Chair)	Ren-jie Hu	Jerry Hogestte
Yong-Xing Jiang	James Clauson	Xiao-Guang Chen
Jing-Xia Cheng	Xian-Guo Guo	Zhi-Kuan Jiang
Pei-En Leng	Yi Wang	Li-Feng Lin
Liang Lu	Jia-Hong Wu	Feng-Lin Song
Dan Kline	Shan-Qing Wang	Xiao-Peng Zeng
Xiao-Long Zhang	Xing-Ping Hu	Nan-Nan Liu
Ming-Hao Zhou	Chang-Liang Zhu	Herbert Nyberg
Feng-Xia Meng		

## **Local Arrangement Committee:**

Yan-De Dong (Chair)	Ming-Yu Wu (Secretary)	Zhi-Kuan Jiang
Ji He (Co-Chair)	Ming-Hao Zhou	Bo-Lin Cai
Chun-Hua Shen		

## 参会须知

1. 请与会嘉宾按照日程安排，按时参加相关会议。
2. 请大家保持手机畅通，如有需要请与会务组联系。
3. 论坛期间请佩戴参会证，凭参会证出入会场并用餐。
4. 会议进行中请自觉关闭手机等通讯工具或调至静音状态。
5. 请妥善保管自身财物和相关证件，如有遗失，请及时与会务联络人联系。
6. 论坛期间遇特殊突发情况请与会务组联系。

## Notes for Participants

1. According to the schedule, the guests should take part in the relevant meetings on time.
2. Please keep your cell phones in touch. If there is any need, please contact the forum affair group.
3. During the forum, the guests should wear the participation card to enter or leave the meeting places and have meals.
4. Please turn off your cell phones and other communication tools or keep them in silent mode during the meeting.
5. Please take care of your own property and relevant documents properly; if anything is lost, please contact the forum affair contact persons in time.
6. During the forum, please contact the forum affair group about the matters of consulting or emergency.

## 厦门翔鹭国际大酒店 Xianglu Grand Hotel, Xiamen

会议地点：27-28 日：翔鹭 A 厅（酒店 G1 层）；29 日：多功能厅 1ABC（酒店 G1 层）

餐厅地点：一层锦绣自助餐厅

用餐时间：早餐：6:30-10:00；午餐：12:00-13:30；晚餐：17:30-20:00

**Meeting room:** 27-28：Xianglu GRAND Ballroom A（G1F Conference）

29：Function Room 1ABC（G1F Conference）

**Breakfast:** GRAND Buffet（Lobby Floor） **Time:** 6:30-10:00

**Lunch:** GRAND Buffet（Lobby Floor） **Time:** 12:00-13:30

**Dinner:** GRAND Buffet（Lobby Floor） **Time:** 17:30-20:00



# Program

<b>May 26, 2019(Sunday) 2019 年 5 月 26 日 (周日)</b>	
1:00 pm	<b>Registration 注册</b>
4:00 pm	<b>IFSCMVD committee meeting (Function Room 4, G1F Conference)</b> 国际蚊虫及虫媒病监测和防治学术研讨会 (IFSCMVD) 委员会会议 (多功能厅 4, 酒店 G1 层)
5:00 pm	<b>The Asia Society of Vector Ecology &amp; Mosquito Control (ASVEMC): Committee/Board meetings (Function Room 4, G1F Conference)</b> 亚洲媒介生态与蚊虫控制学会 (ASVEMC) 委员会会议(多功能厅 4, 酒店 G1 层)
<b>May 27, 2019 (Monday) 2019 年 5 月 27 日 (周一)</b> <b>Xianglu GRAND Ballroom A (G1F Conference)</b> 翔鹭 A 厅 (酒店 G1 层)	
7:30 am	<b>Registration 注册</b>
8:00 am	<b>4<sup>th</sup> Meeting of ASVEMC</b> by Dr. Tong-Yan Zhao, Executive Director of the ASVEMC <b>ASVEMC's Awards</b> presented by Dr. Gunter C. Muller, President of the ASVEMC <b>SOVE's Awards</b> presented by Dr. Uli Bernier, President of the SOVE <b>The ASVEMC's New Officer Installation</b> by Dr. Uli Bernier, President of the SOVE 赵彤言 ASVEMC 执行主席 ASVEMC 第四次次会议 Dr. Gunter C. Muller ASVEMC 主席 ASVEMC 颁奖 Dr. Uli Bernier 美国媒介生态学会 (SOVE) 主席 美国媒介生态学会颁奖 Dr. Uli Bernier SOVE 主席 ASVEMC 新成员就职
<b>Opening Panel Session: The 6<sup>th</sup> IFSCMVD</b> <b>Moderators: Dr. Tong-Yan Zhao (China) and Dr. Rui-De Xue (USA)</b>	
8:30 am	<b>Conference Presidential Address:</b> Dr. Rui-De Xue, Executive Director, Anastasia Mosquito Control District, St. Augustine & Adjunct Professor, University of Miami, Miller School of Medicine, Miami, Florida, USA. <b>The Past and Future about the IFSCMVD.</b> <b>会议主席致辞</b> 薛瑞德 美国佛罗里达州圣奥古斯丁市安娜斯塔西亚蚊虫控制区主任 国际蚊虫及虫媒病监测和防治学术研讨会的过去和未来
8:45 am	<b>Welcome:</b> Mr. Bing Jia, Leader of Institute of Microbiology and Epidemiology, AMMS, Beijing, China 致辞: 贾兵 军事医学研究院微生物流行病学研究所领导
8:50 am	<b>Keynote Speaker:</b> Dr. Graham B. White, Emeritus Professor, University of Florida, Gainesville, FL, USA. <b>Patrick Manson-Progenitor of Medical Entomology: from his inspiration by China to current elimination of malaria and filariasis.</b> <b>主题报告:</b> Dr. Graham B. White 佛罗里达大学名誉教授 帕特里克·曼森 (医学昆虫学的先驱): 从当前消灭疟疾和丝虫病中获得的启发
9:40 am	<b>Break. Take picture in outside building</b>

休息, 合影留念	
<b>Moderators: Dr. Graham B. White (USA) &amp; Dr. Qi-Yong Liu (China)</b>	
10:30 am	<b>Guest Speaker:</b> Dr. Xiao-Nong Zhou, Director, National Institute for Parasitic Disease Prevention and Control, CDC, Shanghai, China. <b>Lessons learned from elimination program on tropical diseases in China.</b> 特约报告: 周晓农 中国疾病预防控制中心寄生虫病预防控制所所长、研究员 从中国热带病消除项目中吸取的教训
11:00 am	Dr. Tong-Yan Zhao, Professor, Institute of Microbiology and Epidemiology, AMMS, Beijing. <b>The past, present, and future of Medical Entomology in China.</b> 赵彤言 军事医学研究院微生物流行病学研究所研究员 中国医学昆虫学的过去、现在和未来
11:20 am	Dr. Qi-Yong Liu, Professor and Director, Department of Vector Biology and Control, National Institute for Communicable Disease Prevention and Control, CDC, Beijing. <b>Past, present, and future of malaria vector surveillance and control in China.</b> 刘起勇 中国疾病预防控制中心传染病预防控制所研究员、所长助理、室主任 中国疟疾病媒监测与控制的过去、现在和未来
11:40 am	Dr. Uli Bernier, National Program Leader, USDA/ARS, Washington DC. <b>The contributions and achievements of the USDA/ARS National Program 104: Veterinary, medical, and urban entomology.</b> Uli Bernier 美国农业部农业研究局国家项目负责人 美国农业部农业研究局国家项目(104)的贡献和成就: 兽医、医学和城市昆虫学
<b>12:00 noon Lunch Break</b>	
<b>Session 1: Arbovirus 虫媒病毒</b> <b>Moderators: Dr. Dan Kline (USA) and Dr. Chun-Xiao Li (China)</b>	
1:00 pm	Dr. Michael Turell, Adjunct Senior Arbovirologist, AMCD, St. Augustine, FL; Principal Investigator (Retired), United States Army Medical Research Institute for Infectious Diseases. <b>The risk of importation and spread of Zoonotic versus Anthroponotic viruses.</b> Michael Turell 美国佛罗里达州圣奥古斯丁安娜斯塔西亚蚊虫控制区高级虫媒病专家、美国陆军传染病医学研究所原首席研究员 人畜共患病毒和人源性病毒的传播风险比较
1:20 pm	Dr. Jonas Schmidt-Chanasit, Professor, Bernhard Nocht Institute for Tropical Medicine, WHO Collaborating Centre for Arboviruses, Hamburg, Germany. <b>Discovery, ecology and evolution of novel and emerging/re-emerging arboviruses.</b> Jonas Schmidt-Chanasit 德国 Bernhard Nocht 热带医学研究所研究员, 世界卫生组织汉堡虫媒病毒合作中心副主任 新发再发虫媒病的发现、生态和进化研究
1:40 pm	Dr. Chun-Hong Chen, Chief Executive Officer, National Tropical Disease Control and Research Center at the National Health Research Institutes. <b>Two C type lectins on Zika and dengue pathogenesis: From mosquito to human.</b>

	陈俊宏 台湾卫生研究院国家热带病控制研究中心首席执行官 两种 C 型凝集素对寨卡和登革病毒致病机制的影响：从蚊虫到人
2:00 pm	Dr. Cheng Gong, Professor, Tsinghua University, Beijing, China. <b>A gut commensal bacterium promotes arbovirus infection in mosquitoes.</b> 程功 清华大学教授 一种促进虫媒病毒感染的蚊虫肠道共生细菌
2:20 pm	Dr. Err-Lieh Hsu, Professor Emeritus, National University of Taiwan, Taipei. Dr. Hsiu-Hua Pai, Professor & Vice Present of Kaohsiung University, Kaohsiung. <b>The past, present, and future of vector-borne diseases in Taiwan.</b> 徐尔烈 台湾大学名誉教授 & 白秀华 高雄大学教授、副校长 台湾媒介传播疾病的过去、现在和未来
2:40 pm	Dr. Xiao-Xia Guo, Associate Professor, Institute of Microbiology and Epidemiology, AMMS. <b>Japanese Encephalitis virus genotype III detection from mosquitoes and pigs in Huaihua, Hunan Province, China.</b> 郭晓霞 军事医学研究院微生物流行病学研究所副研究员 中国湖南省怀化市蚊虫和猪中乙型脑炎 III 型病毒的检测
<b>3:00 pm</b>	<b>Break</b>
<b>Session 2: Genetics &amp; Biology 遗传学与生物学</b> <b>Moderators: Dr. Theeraphap Charconviryyaphap (Thailand) &amp; Dr. Ren-Jie Hu (USA)</b>	
3:20 pm	Dr. Randy Gaugler, Distinguished Professor, Devi Suman, Yi Wang, and Kshitij Chandel, Rutgers University, New Jersey, USA. <b>Development of a blood-free feeding system for <i>Aedes albopictus</i>.</b> Randy Gaugler 美国新泽西州罗格斯大学杰出教授 白纹伊蚊无血饲养系统的研发
3:40 pm	Dr. Xiao-Guang Chen, Dean & Professor, College of Public Health and Tropic Medicine, Southern Medical University. <b>Characterization and functional analysis of the male-determining factor Nix in <i>Aedes albopictus</i>.</b> 陈晓光 南方医科大学公共卫生与热带医学院院长、教授 白纹伊蚊雄性性别决定因子 Nix 的分类及功能分析
4:00 pm	Dr. Gang Wang, Associate Senior Technologist. Hangzhou Customs, China. <b>Genetic Continuity between <i>Anopheles sinensis</i> (Diptera Culicidae) and its sibling species based on gene introgression or incomplete speciation.</b> 王刚 中国杭州海关副主任技师 基于基因渐渗或不完整形态的中华按蚊（双翅目昆虫）及其姐妹种的遗传连续性研究
4:20 pm	Dr. Jing-Wen Wang, Fudan University, Shanghai, China. <b>Inhibition of the TOR pathway increases refractoriness to pathogen infections in mosquitoes via promotion of immune activation.</b> 王敬文 复旦大学教授 蚊虫体内 TOR 通路增加蚊虫免疫活性改变蚊虫对虫媒病毒的易感性
4:40 pm	Dr. Wei-Long Tan, Associate Professor, CDC, Nanjing. <b>Genetic diversity and population structure of <i>Aedes aegypti</i> revealed by nucleotide and microsatellite marker polymorphisms in Yunnan border area.</b> 谭伟龙 东部战区疾病预防控制中心副研究员 利用核苷酸和微卫星标记多态性揭示云南边境地区埃及伊蚊的遗传多样性和种群结构
	Dr. Ai-Hua Zheng, Professor, Institute of Zoology, Chinese Academy of Sciences, Beijing,

5:00 pm	China. <b>Glycosylation modification of envelope and flavivirus vector competence.</b> 郑爱华 中国科学院动物所研究员 囊膜糖基化修饰和黄病毒传播效能关系研究
5:15 pm	Dr. Hong-Liang Chu, Director, Institute of Vector-borne diseases and disinfection, Jiangsu CDC. <b>Analysis of population genetic characteristics of <i>Culex tritaeniorhynchus</i>.</b> 褚宏亮 江苏省疾病预防控制中心消毒与媒介生物防制所所长 三带喙库蚊种群遗传特征分析
5:30 pm	Mr. Fei Wang, Hongkou District CDC, Shanghai. <b>Mosquito control practices to prevent mosquito-borne diseases in Hongkou District, Shanghai.</b> 王飞 上海市虹口区疾病预防控制中心
5:45 pm	Mr. Alain Zhang, Shenzhen Longray Technology Co ltd. Discussion on the product system of new vector biological monitoring and control instrument 张光全 深圳市隆瑞科技有限公司 新型病媒生物监测与控制器械产品体系探讨

**May 28 (Tuesday) 2019 年 5 月 28 日 (周二)**

**Xianglu GRAND Ballroom A (G1F Conference) 翔鹭 A 厅 (酒店 G1 层)**

**Session 3: Surveillance 监测**

**Moderators: Dr. Uli Bernier (USA) & Dr. Err-Lieh Hsu (Taiwan, China)**

8:00 am	Dr. Ren-Jie Hu, Supervisorial Biologist, California DOH, <b>Surveillance of <i>Aedes albopictus</i> Skuse in California, USA</b> 胡仁杰 美国加利福尼亚州公共卫生虫媒病部高级专家 美国加利福尼亚州白纹伊蚊的监测
8:15 am	Dr. Li-feng Lin, Deputy Director, Guangdong Provincial CDC, Guangzhou. <b>Surveillance of dengue and its vector mosquito population in Guangzhou.</b> 林立丰 广东省疾病预防控制中心副主任 广州登革热及其媒介蚊虫种群的监测
8:30 am	Dr. Tian-Ci Yang, Zhejiang International Tourism Healthcare Center, Hangzhou Customs District, Hangzhou. <b>Exploitation and application of an Integrated Management System for invasive mosquitoes at Entry–exit Ports, Zhejiang, China</b> 杨天赐 浙江省国际旅行卫生保健中心主任技师 浙江省出入境口岸蚊虫入侵综合管理系统的开发与应用
8:45 am	Shi Chao, Wuxi CDC. <b>A novel rotated traps for detection of diel activity patterns of adult vector mosquitoes in St. Augustine, FL.</b> 施超 无锡疾病预防控制中心副主任医师、部门副主任 一种新型的旋转捕获装置用于监测美国佛罗里达州圣奥古斯丁市媒介蚊虫成虫的活动模式
8:55 am	Dr. B.K. Tyagi, President, Society of Medical Arthropodology, Jodhpur-342005, India. <b>Emergence of malaria epidemics in the Thar Desert (Western Rajasthan, India) through duo <i>Anopheles stephensi</i> Liston and <i>An. culicifacies</i> Giles: Evolution of a new paradigm desert Malaria.</b> B.K.Tyagi 印度医学节肢动物学会主席 由史蒂芬西·李斯顿按蚊和金边按蚊传播引起的塔尔沙漠疟疾流行：新式沙漠疟疾的演变

9:15 am	Dr. Pei-En Leng, Shanghai CDC. <b>Vector control of epidemic area in local dengue fever cases in Shanghai.</b> 冷培恩 上海市疾病预防控制中心科主任、主任医师 上海登革热流行地区的媒介控制
9:30 am	Dr. Wei-Zhong Nie, Qinhuangdao Customs District, Qinhuangdao, China. <b>Overview of research on introduced blood-sucking vectors carried by international ships at Qinhuangdao port.</b> 聂维忠 中国秦皇岛海关主任技师 秦皇岛港口国际船舶携带入境的吸血媒介昆虫研究
9:45 am	Mr. Benedicte Fustec, H.J. Overgaard, T. Panichat, S. Aromseree, C. Pientong, T. Ekalaksannan, K. Thaewnonigiew, N. Alexander, M.J. Bang, V. Corbet. Universitte Montpellier, Montpellier, France. <b>Aedes exposure and dengue transmission, a difficult relationship: lessons from a prospective ongoing case-control study in northeaster Thailand.</b> Mr. Benedicte Fustec 等 法国蒙彼利埃大学蒙彼利埃分校 伊蚊暴露和登革热传播关系的研究: 泰国东北部的病例对照研究
10:00 am	Ms. Lin-Lin Zhang, Trading Manager, Jiangsu Gongcheng Bio-Tech Co. Ltd. Mosquito control solutions by Gongcheng. 张琳琳 外贸部经理 江苏功成生物科技有限公司 功成科技蚊虫解决方案
<b>10:10 am Break</b>	
<b>Session 4: New Control Techniques &amp; Methods 控制新技术和新方法</b> <b>Moderators: Dr. Abu Ahmad (Malaysia) &amp; Dr. Peter Jiang (USA)</b>	
10:20 am	Dr. Gunter C. Muller, Visiting Professor, The Hebrew University of Jerusalem. <b>The past, present and future about Attractive Toxic Sugar Baits for mosquito control.</b> Gunter C. Muller 以色列耶路撒冷希伯来大学客座教授 糖毒诱剂用于蚊虫控制的过去、现在和未来
10:40 am	Dr. Chun-Xiao Li, Professor & Director, Department of Vector Biology and Control, Institute of Microbiology and Epidemiology, AMMS, Beijing. <b>Efficacy of toxic sugar baits against insecticide resistant <i>Culex quinquefasciatus</i>.</b> 李春晓 军事医学研究院微生物流行病学研究所教授、室主任 糖毒制剂对抗性致倦库蚊的杀灭效果研究
10:50 am	Dr. Hoonbok Yi, Professor, Seoul Women University. <b>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.</b> Hoonbok Yi 韩国首尔女子大学教授 智能蚊虫陷阱和环保型捕蚊器在韩国旅游区控制蚊虫数量的野外现场实验
11:10 am	Mrs. Hui Liu, presented by Mr. Tian Ye, Jiangsu Provincial CDC, Nanjing, China. <b>AGO traps baited with lures against <i>Aedes aegypti</i>.</b> 刘慧 江苏省疾病预防控制中心助理研究员 含诱饵的 AGO 陷阱对埃及伊蚊的诱捕
11:20 am	Mrs. Ding Zhu, Director, Department of Vector-borne Disease, Wuxi CDC. <b>Modifying AGO traps against gravid <i>Aedes</i> mosquitoes in St. Augustine, FL.</b> 朱丁 无锡疾病预防控制中心病媒生物部副主任医师、主任 优化的 AGO 陷阱对美国佛罗里达州圣奥古斯丁受孕伊蚊的捕获效果研究
	Dr. Dan Kline, Research Entomologist, USDA/ARS/CMAVE, Gainesville, FL.



11:30 am	<b>Update on spatial repellents against mosquitoes.</b> Dan Kline 美国农业部农业研究局兽医研究学家 蚊虫空间驱避剂的最新研究进展
11:45 am	<b>Mr. Herbert Nyberg, CEO, New Mountain Innovations, Inc. Niantic, CT, USA. New urban application of Larvasonic® technology, lethal acoustic ovitrap and permanent cistern float.</b> Herbert Nyberg 美国新山创新股份有限公司首席执行官 新型幼虫声波技术的城市应用: 致死声学诱蚊诱卵器和永久性水池浮子
<b>12:00 noon. Lunch Break</b>	
<b>Session 5: Medical and Veterinary Entomology 医学和兽医昆虫学</b> <b>Moderators: Dr. Jerry Hogsette (USA) &amp; Dr. Xingping Hu (USA)</b>	
1:00 pm	Dr. Zhen Zou, Institute of Zoology, Chinese Academy of Sciences, Beijing, China. <b>The immune strategies of mosquito against microbial infection.</b> 邹振 中国科学院动物研究所研究员 蚊虫感染微生物的免疫策略
1:15 pm	Dr. Bo Shen, Professor, Nanjing Medical University. <b>Identify pyrethroid-resistance associated major genes in <i>Culex pipiens pallens</i> using QTL mapping technique.</b> 沈波 南京医科大学教授 使用 QTL 分析技术鉴定淡色库蚊中与拟除虫菊酯抗性相关的基因
1:30 pm	Dr. Jerry Hogsette, Research Entomologist, USDA/CMAVE, Gainesville. <b>Trap technology for surveillance and control of filth and biting flies.</b> Jerry Hogsette 美国农业部/农业研究局昆虫学家 用于监测和控制吸血蝇的诱捕技术
1:45 pm	Dr. Kun-Hsien Tsai, Associate Professor, College of Public Health, National Taiwan University, Taipei. <b>Investigation of the new emerging vector-borne rickettsial disease in Taiwan</b> Kun-Hsien Tsai 台湾大学公共卫生学院副教授 台湾新发虫媒病立克次体病的调查
2:00 pm	Dr. Xingping Hu, Professor, Seun Qladipupo, Arthur Appel, Department of Entomology and Plant Pathology, Auburn University, Auburn, AL, USA. <b>Toxicity profiles of aromatic and aliphatic essential oil components against strains of the German cockroach, <i>Blattella germanica</i></b> Xing-Ping Hu 美国奥本大学昆虫学与植物病理学系教授 芳香族和脂肪族精油成分对德国蟑螂菌株的毒性谱研究
2:20 pm	Dr. Jian Gao, Institute of Microbiology and Epidemiology, AMMS, Beijing. <b>Dynamic changes of genetic diversity and population structure of <i>Aedes aegypti</i> in Yunnan Province, Southwestern China.</b> 高剑 军事医学研究院微生物流行病学研究所博士 云南省埃及伊蚊遗传多样性和种群结构的动态变化
2:40 pm	Dr. Yi Wang, Dr. Randy Gaugler, Rutgers University, New Jersey, USA. <b>Proactive Mosquito Control-Targeting Larval Habitats</b> Yi Wang 等 美国新泽西州罗格斯大学教授 针对幼虫栖息地的蚊虫主动控制
<b>3:00 pm Break</b>	

<b>Session 6: Behavior &amp; Ecology 行为与生态学</b> <b>Moderators: Dr. Randy Gaugler (USA) &amp; Dr. Yi Wang (USA)</b>	
3:20 pm	Dr. Matan Shelomi, Professor, National Taiwan University. <b>Bacterial and Eukaryote Microbiomes of mosquito habitats in dengue-endemic southern Taiwan.</b> Matan Shelomi 台湾大学研究员 台湾南部登革热流行区蚊虫栖息地的细菌和真核微生物群落研究
3:40 pm	Dr. Lei Xu, Associate Professor, China CDC, Beijing, China. <b>Climate change driven dengue dynamic, from statistical model to outbreak risk prediction.</b> 许磊 中国疾病预防控制中心传染病预防控制所副研究员 气候变化导致登革热的动态变化：从统计模型到疫情风险预测
4:00 pm	Jirod Nararak and Teeraphap Charconvirryaphap Professor, Kasetsart University, Bangkok, Thailand. <b>Excito-repellent activity of sesquiterpene compound against <i>Aedes aegypti</i> and <i>Anopheles minimus</i>.</b> Jirod Nararak 泰国卡斯特大学博士 倍半萜化合物对埃及伊蚊和微小按蚊的驱避活性
4:20 pm	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. <b>Development of the bioassay device for evaluating mosquito repellency.</b> Kanya Kuramoto, T. Mitsuhashi, T. Saito, Y. Takahashi, A. Watanabe, S. Harada 日本大阪 Kaken 测试中心& C. Tsurukawa, Y. Morimoto, H. Kawada 日本长崎大学热带医学研究所 驱蚊生物测定装置的研发进展
4:35 pm	Dr. Rungarun Tisgratog, Department of Entomology, Faculty of Agriculture, Kasetsart University, Bangkok, Thailand. <b>Alternative tool for mosquito repellents evaluation.</b> Rungarun Tisgratog 泰国卡斯特大学 蚊虫驱避剂评价的替代方案
4:50 pm	Dr. Yong Zhang, Researcher, Beijing CDC. Beijing, China. <b>The practice of Pyramid Strategy for mosquito control in large-scale city.</b> 张勇 北京市疾病预防控制中心研究员 金字塔策略在城市大尺度范围内蚊虫控制实践研究
5:05 pm	Dr. Lei Shao, Blood Transfusion Technician, Jiangsu Province Blood Center, Nanjing, China. <b>Transfusion transmitted malariadetection and prevention</b> 邵雷 中国南京江苏省血液中心输血技术员 输血传播疟疾：检测和预防
5:20 pm	Dr. Eric Michael, CEO, Synergetica Changzhou Life Science Ltd. <b>Application of S-methoprene in the eradication of <i>Campto</i> (Southern saltmarsh mosquito) in New Zealand.</b> 苏衡 常州胜杰生命科学有限公司董事长 S-烯虫酯在新西兰根除输入性蚊虫中的应用
<b>5:30 pm Dinner</b>	
<b>May 29 (Wednesday) 2019 年 5 月 29 日 (星期三)</b> <b>Function Room 1ABC (G1F Conference) 多功能厅 1ABC (酒店 G1 层)</b>	
<b>Session 7: Control 控制</b> <b>Moderators: Dr. Li-Zhe Cai (China) &amp; Dr. Gunter Muller (Israel)</b>	

8:00 am	Dr. Ling-Ling Zhang, Professor, Fujian Agriculture and Forestry University. <b>Studies of <i>Bacillus thuringiensis</i> LLP29 on mosquito biocontrol.</b> 张灵玲 福建农林大学教授 苏云金芽孢杆菌 LLP29 对蚊虫生物防治性能的研究
8:15 am	Dr. Peter Jiang, Director, Gainesville Mosquito Control Division, Gainesville, FL. <b>Efficacy of ground ULV spraying: impact by the nozzle orientation and vehicle speed.</b> Peter Jiang 美国佛罗里达州盖恩斯维尔蚊虫控制中心主任 喷嘴方向和速度对地面 ULV 喷涂的功效率的影响
8:25 am	Dr. Luo Lei, Guangzhou City's CDC, China. <b>Evaluation of adulticide and larvicide mixtures against larval and adult mosquitoes.</b> 罗雷 广州疾病预防控制中心主任医师 成虫和幼虫杀虫剂混用对幼虫和成蚊影响的评估
8:35 am	Manop Saeung & Dr. Teeraphap Charconvirryyaphap, Professor, Kasetsart University, Bangkok, Thailand. <b>Evaluation of light emitting diode (LED) light traps against <i>Culex quinquefasciatus</i>.</b> Manop Saeung & Teeraphap Charconvirryyaphap 泰国曼谷卡斯特大学博士 LED 诱蚊灯对致倦库蚊捕获效果的评价
8:50 am	Dr. Abu Hassan Ahmad, Professor, School of Biological Sciences, Universiti Sains Malaysia, 11800 Penang, Malaysia. <b>Biological characteristics of <i>Aedes albopictus</i> (Skuse) (Culicidae:Diptera) in hot spot and non-hot spot areas of dengue outbreak, in Selangor, Malaysia</b> Abu Hassan Ahmad 马来西亚槟城大学教授 马来西亚雪兰莪市登革热暴发区和非暴发区白纹伊蚊的生物学特性
9:10 am	Mr. Dennis Walette, Director, TMAO, Hammond, LA. USA. <b>Program overview of the Tangipahoa Mosquito Abatement District.</b> Dennis Walette 美国洛杉矶哈蒙德 TMAO 主任 坦吉帕霍蚊虫收容区项目概述
9:30 am	Dr. Zhen-Yu Gong, Zhejiang CDC. <b>Mosquito and mosquito-borne infectious disease prevention and control in Zhejiang Province, China.</b> 龚震宇 浙江省疾病预防控制中心主任医师、副所长 中国浙江省蚊虫和蚊媒传染病及防治
9:50 am	Jian Qian, Vice Managing Director, Jiangsu Yangnong Chemical Co. Ltd(Youth). <b>Effect and safety of insecticide.</b> 钱健 南京优士环境技术有限公司副总经理 杀虫剂的效果和安全性
<b>10:00 am</b>	<b>Break</b>
<b>Session 8: Insecticides and Resistance 杀虫剂及抗性</b> <b>Moderators: Dr. Nannan Liu (USA) &amp; Dr. Feng-Xia Meng (China)</b>	
10:20 am	Dr. Nannan Liu, Professor, Department of Entomology and Plant Pathology, Auburn University, Auburn, AL. USA. <b>Mosquito Resistance: The impact, challenges, and perspectives.</b> Nannan Liu 美国奥本大学昆虫学与植物病理学系教授 蚊虫抗性：影响、挑战和前景
	Dr. Teeraphap Charconvirryyaphap, Professor, Kasetsart University, Bangkok, Thailand.

10:40 am	<b>Temephos resistance in <i>Aedes aegypti</i> in GMS.</b> Teeraphap Charconvirryyaphap 泰国卡斯特大学教授 GMS 中埃及伊蚊的双硫磷抗性研究
11:00 am	Dr. Hitoshi Kawada <sup>1*</sup> , Yukiko Higa <sup>2</sup> , Kyoko Futami <sup>1</sup> , Ganesh Rai <sup>3</sup> , Shiba Kumar Rai <sup>3</sup> , Takashi Suzuki <sup>4</sup> . <sup>1</sup> Institute of Tropical Medicine, Nagasaki University, Nagasaki, Japan. <sup>2</sup> Department of Medical Entomology, National Institute of Infectious Diseases, Tokyo, Japan. <sup>3</sup> Shi-Gan International College of Science and Technology, Kathmandu, Nepal. <sup>4</sup> Faculty of Health Science, Kobe-Tokiwa University, Kobe, Japan. <b>Pyrethroid resistance status of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> populations in Nepal.</b> Dr. Hitoshi Kawada <sup>1*</sup> , Yukiko Higa <sup>2</sup> , Kyoko Futami <sup>1</sup> , Ganesh Rai <sup>3</sup> , Shiba Kumar Rai <sup>3</sup> , Takashi Suzuki <sup>4</sup> <sup>1</sup> 长崎大学热带医学研究所, 日本长崎; <sup>2</sup> 日本东京国立传染病研究所医学昆虫学系; <sup>3</sup> 希甘国际科技学院, 尼泊尔加德满都; <sup>4</sup> 神户常盘大学, 健康科学学院, 日本神户 尼泊尔埃及伊蚊和白纹伊蚊种群的拟除虫菊酯抗性状况研究
11:20 am	Dr. Mao-Qing Gong, Professor, Shandong Institute of Parasitic Diseases, Shandong First Medical University & Shandong Academy of Medical Sciences, Shandong, China. <b>Trends in insecticide resistance in <i>Culex pipiens pallens</i> over 20 years in Shandong, China.</b> 公茂庆 山东省寄生虫病防治研究所, 山东第一医科大学 (山东省医学科学院) 教授 山东省淡色库蚊 20 年来对杀虫剂抗性的变化趋势
11:40 am	Dr. Feng-Xia Meng, Professor, Department of Vector Biology and Control, China CDC, National Institute for Communicable Disease Prevention and Control, Changping, Beijing. <b>Update about insecticide resistance in <i>Aedes</i> vectors in China.</b> 孟凤霞 中国疾病预防控制中心传染病预防控制所、传染病预防控制国家重点实验室研究员 中国伊蚊媒介杀虫剂抗性最新进展
<b>12:00 pm Lunch Break</b>	
<b>Session 9: Physiology and Ecology 生理学与生态学</b> <b>Moderators: Dr. Michael Turell (USA)</b>	
1:05 pm	Mr. Herbert Nyberg, CEO, New Mountain Innovations, Inc., Niantic, CT. USA. <b>Novel revelations of larval respiration identified from acoustic larvicide.</b> Herbert Nyberg 美国新山创新股份有限公司首席执行官 声波杀灭幼虫新装置的研究
1:20 pm	Dr. Xue-Li Zheng, Professor, Southern Medical University, Guangzhou, China. <b>Genetic difference of <i>Aedes albopictus</i> populations in different geographical regions of China.</b> 郑学礼 南方医科大学教授 中国不同地理区白纹伊蚊种群的遗传差异
1:35 pm	Chris Daeyun Kim & Dr. Teeraphap Charconvirryyaphap, Professor, Kasetsart University, Bangkok, Thailand. <b>High-throughput (HITSS) assay for screening chemical lures from <i>Aedes</i>, <i>Culex</i>, and <i>Anopheles</i> mosquitoes.</b> Chris Daeyun Kim 和 Teeraphap Charconvirryyaphap 泰国卡斯特大学博士 用于筛选来自伊蚊、库蚊和按蚊的化学诱剂的高通量 (HITSS) 测定法
1:50 pm	Dr. Qian Han, College of Life Sciences and Pharmacy, Hainan University, Haikou, Hainan 570228, China. <b>Dissecting melanization immune responses in mosquito vectors using multiple approaches.</b> 韩谦 海南大学生命科学与药学学院教授 多种方法分析媒介蚊虫的黑色素化免疫反应
2:05 pm	Dr. Qiang Gao, Hongpu District CDC, Shanghai. <b>Abundance of <i>Aedes albopictus</i> in</b>

	<b>storm drain system in Shanghai, China.</b> 高强 上海市红浦区疾病预防控制中心 上海暴雨排水系统中白纹伊蚊的分布调查
2:20 pm	Dr. Yu-Juan Yue, Department of Vector Biology and Control, National Institute for Communicable Disease Prevention and Control, China CDC, Beijing. <b>Spatial analysis of dengue fever and exploration of its environmental and socio-economic risk factors in Guangzhou City.</b> 岳玉娟 中国疾病预防控制中心传染病预防控制所副研究员 广州市登革热空间分析及其环境和社会经济风险因素
2:35 pm	<b>Break</b>
<b>Session 10: Others, Programs &amp; Associations 其他、项目与学会</b> <b>Moderators: Xiao-Xia Guo (China)</b>	
3:00 pm	Dr. Jian-Qiang Lan, School of Life and Pharmaceutical Sciences, Hainan University. <b>A CRISPR/cas9 mediated mutation in nicotinic acetylcholine receptor <math>\alpha 6</math> confers resistance to spinosad in <i>Aedes aegypti</i>.</b> 兰坚强 海南大学生命科学与药学院博士 埃及伊蚊 CRISPR/cas9 介导的烟碱乙酰胆碱受体 $\alpha 6$ 亚基与多杀菌素抗性相关研究
3:15 pm	Dr. Uli Bernier, President of the Society of Vector Ecology, USDA/CMAVE, Gainesville, FL, USA. <b>Update on Society for Vector Ecology.</b> Uli Bernier 美国媒介生态学会主席, 美国农业部兽医昆虫学家 美国媒介生态学会最新进展
3:30 pm	Dr. Feng-Xia Meng, Professor, Department of Vector Biology and Control, China CDC, National Institute for Communicable Disease Prevention and Control, Changping, Beijing. <b>Update about Chinese Society of Vector Biology and Control.</b> 孟凤霞 中国疾病预防控制中心传染病预防控制所研究员 中国媒介生物学及控制学会的最新进展
3:45 pm	Dr. Tong-Yan Zhao, Chair, Medical and Veterinary Entomology, ESC. <b>Update on the MVE of the ESC &amp; conference closing remarks.</b> 赵彤言 中国昆虫学会医学昆虫专业委员会主任 中国昆虫学会医学昆虫专业委员会最新进展及闭幕发言

**Conference contact person:**

Tong-Yan Zhao 赵彤言: 13910844633      Yan-De Dong 董言德: 13611195599  
Ming-Yu Wu 吴明宇: 13810640602      Xiao-Xia Guo 郭晓霞: 13520517505  
Chun-Xiao Li 李春晓: 13681559005