

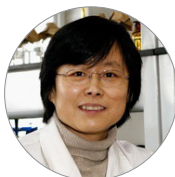
SCIENTIFIC PROGRAM

SESSION LECTURE

No. 4

Insect Vectors for Animal and Human
Room: 406

Co-Chairs: Tongyan Zhao

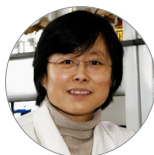


Rui-De Xue



Day 1 October 27th (Saturday) 13:30 – 17:00

Time	Speaker	Title
13:30-14:00	Tongyan Zhao <i>Institute of Microbiology and Epidemiology, AMMS, China</i>	Study of invading <i>Aedes aegypti</i> of Yunnan Province in China
14:00-14:30	Rui-De Xue <i>Anastasia Mosquito Control District, USA</i>	Resurgence of Zika Vector Mosquitoes <i>Aedes aegypti</i> (Diptera: Culicidae) and its New Control Techniques Used at Anastasia Mosquito Control District, Northeast Florida, USA
14:30-15:00	Zhiyong Xi <i>Michigan State University, USA</i>	Developing <i>Wolbachia</i> to combat mosquito-borne diseases
15:00-15:30	Tea Break	
15:30-16:00	Margaret Kielian <i>Albert Einstein College of Medicine, USA</i>	Molecular mechanisms of alphavirus entry and exit
16:00-16:30	Jinbao Gu <i>Southern Medical University, China</i>	<i>Transformer-2</i> in <i>Aedes albopictus</i> and its effect on ovarian development
16:30-17:00	Cheng-Feng Qin <i>Institute of Microbiology and Epidemiology, AMMS, China</i>	From Africa to America: The changing faces of Zika virus



Tongyan Zhao

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Dr. Tong-Yan Zhao is a professor of vector biology, Beijing Institute of Microbiology and Epidemiology. Her research interests and applications of research include of mosquito biology and control, mosquito biosystematics, and vector competence. She is author and co-author of more than 200 peer reviewed publications, 7 national standards of mosquito control. She is chairman of Medical Entomology Committee, the Entomological Society of China.



Rui-De Xue

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Dr. Rui-De Xue is Executive Director at the Anastasia Mosquito Control District, St. Augustine, Florida, USA and adjunct Professor at the University of Miami Miller School of Medicine. His research special area is studying behavioral ecology and management of vector mosquitoes. He authored and coauthored more than 260 publications in the past 40 years. He serves as the President of the Florida Entomology Society and Past President of the Florida Mosquito Control Association, Director of the Society of Vector Ecology's Southeastern Region.



Zhiyong Xi

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Dr. Zhiyong Xi is a professor of Microbiology and Molecular Genetics at Michigan State University and the director of Key Laboratory of Tropical Disease Control of Ministry of Education at Sun Yat-Sen University. His research is focused on interactions of the endosymbiotic bacteria *Wolbachia* with insect vectors underlying pathogen interference and symbiosis establishment and development of *Wolbachia* for biological control of dengue and malaria.



Margaret Kielian

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Margaret Kielian is Professor of Cell Biology at the Albert Einstein College of Medicine and holds the Samuel H. Golding Chair in Microbiology. Professor Kielian's research concerns the entry and exit pathways of enveloped viruses in animal cells, focusing on the RNA viruses alphaviruses, flaviviruses and rubella virus. Her research studies the biogenesis, structure and function of the membrane fusion proteins of these viruses, and the molecular mechanisms of viral assembly, budding, and transmission.



Jinbao Gu

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Dr. Jinbao Gu is an Associate Professor of Pathogen Biology at the School of Public Health of Southern Medical University. His researches focused on vector mosquitoes and mosquito-borne diseases especially on *Aedes albopictus* and its somatic sex-determination pathway. He is particularly interested in major factors involved in mosquito sex determination cascade.



Cheng-Feng Qin

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Dr. Cheng-Feng Qin is a professor of virology at the Academy of Military Medical Sciences. His major research interests focus on the pathogenesis of mosquito-borne flavivirus. One unique feature of his work is to translate the knowledge from basic research to the development of vaccine and therapy.