NUS National University of Singapore | Department of Biological Sciences, Faculty of Science

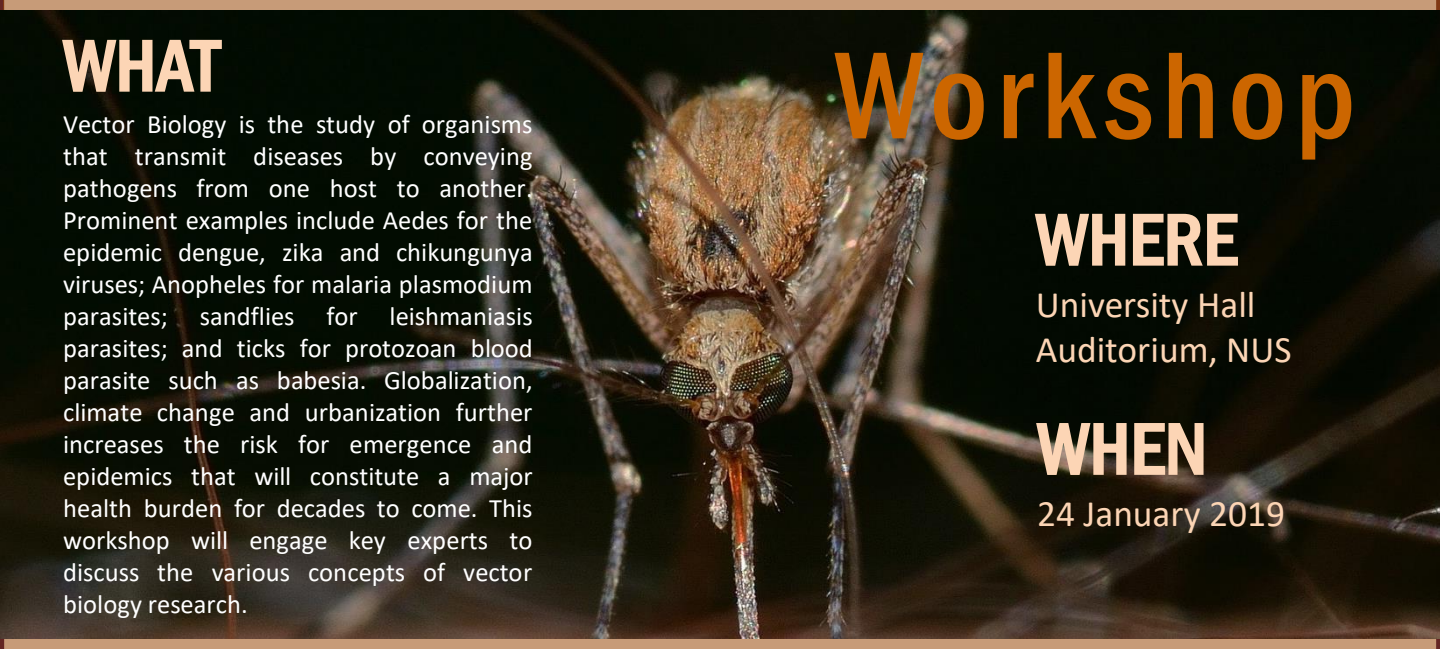
All are welcome

VECTOR BIOLOGY

Workshop

WHAT

Vector Biology is the study of organisms that transmit diseases by conveying pathogens from one host to another. Prominent examples include Aedes for the epidemic dengue, zika and chikungunya viruses; Anopheles for malaria plasmodium parasites; sandflies for leishmaniasis parasites; and ticks for protozoan blood parasite such as babesia. Globalization, climate change and urbanization further increases the risk for emergence and epidemics that will constitute a major health burden for decades to come. This workshop will engage key experts to discuss the various concepts of vector biology research.



WHERE

University Hall Auditorium, NUS

WHEN

24 January 2019

PROGRAM

9:00am - 9:10am Opening remarks by Kini Manjunatha

Session 1: Impact of vector-borne diseases in the world

9:10am - 9:30am Important concepts of Vector Biology
9:30am - 10:00am George Dimopoulos, Johns Hopkins University, USA
10:00am - 10:30am Sylvie Manguine, The French Research Institute for Development (IRD),France
10:30am - 11:00am Laurent Renia, Singapore Immunology Network, A*STAR, Singapore
11:00am - 11:30am Tea break

Session 2: Vector-environment interactions

11:30am - 12:00am Frederic Tripet, Keele University, UK
12:00am - 12:30pm Peter Preiser, Nanyang Technological University (NTU), Singapore
12:30pm - 1:00pm Rudolf Meier and Roman Carrasco, NUS, Singapore
1:00pm - 2:00pm Lunch

Session 3: Vector-host interactions

2:00pm - 2:30pm Jack Johnson, The Scripps Research Institute, USA
2:30pm - 3:00pm Ken Vernick, Institute Pasteur, France
3:00pm - 3:30pm Chen Chun-Hong, National Health Research Institutes (NHRI), Taiwan
3:30pm - 4:00pm Benoit Mallaret, NUS, Singapore
4:00pm - 4:30pm Tea break

Session 4: Control measures - from genetics to cross-cutting platforms

4:30pm - 5:00pm Jeffrey Almond, Oxford University, UK
5:00pm - 5:30pm Zybnek Bozdeck, Nanyang Technological University (NTU), Singapore
5:30pm - 6:00pm Mariano Garcia-Blanco, UTMB, Texas, USA and Duke-NUS
6:00pm - 6:15pm Closing remarks by Henry Mok, NUS, Singapore

SCIENTIFIC ORGANISERS

RM Kini, NUS, Singapore
Henry Mok, NUS, Singapore
Lisa Ng, Singapore Immunology Network (SIgN), A*STAR, Singapore

Artwork by Ann Nee, DBS, NUS