



15th Mosquito Control Association of Australia Conference

The new normal: Responding to emerging and resurging mosquito risks

Sunday 20 - Thursday 24 August 2023
Alexandra Hills Hotel – Suites and Conference Centre, Alexandra Hills, QLD

JEV Online Conference Program

Tuesday 22nd August 2023

(subject to change)

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Session 5 – Japanese Encephalitis Virus

Moreton Rooms

Chairs: Jonathan Darbro & David Williams

8.30am – 10.00am

8.30am – 8.40am **Welcome to Day Two**

8.40am – 8.50am Opening Address
Dr Heidi Carroll, Queensland Health

8.50am – 9.25am Keynote Address
Japanese encephalitis virus - reminiscences from the past and considerations for today
John Mackenzie, Curtin University

9.25am – 10.00am Keynote Address
Enter *Culex*: mosquito vectors of Japanese encephalitis virus
Andrew van den Hurk, Queensland Department of Health

10.00am – 10.30am

Morning Tea

Session 6 – JEV response in Australia


Moreton Rooms
Chair: Peter Neville

10.30am – 12.00pm



Sponsored By:

10.30am – 11.00am	Japanese encephalitis virus – the Australian pig industry experience, 2022 Kirsty Richards, SunPork Group and National JEV industry liaison
11.00am-11.10am	Molecular Epidemiology reveals the rapid spread of Japanese encephalitis virus in 2022 throughout eastern and southern Australia David Williams, CSIRO
11.10am – 11.20am	The emergence of Japanese encephalitis virus in Australia, 2022: a Queensland perspective Cassie Jansen, Queensland Health
11.20am – 11.30am	NSW Response to JEV Sahasini Sumithra, Australian National University
11.30am – 11.40pm	Enhanced Japanese encephalitis virus surveillance across piggeries in Victoria Peter Neville, Department of Health, Victoria
11.40am – 11.50am	SA Health Japanese encephalitis virus response Vicki Burns, SA Health
11.50am-12.00pm	Japanese encephalitis outbreak: mosquito surveillance by three SE Queensland public health units Matthew Wessling, Queensland Health - Metro South Public Health Unit

12.00pm – 12.50pm		Lunch
12.50pm – 2.10pm	Session 7 – JEV Vectors, Disease Ecology and Modelling <i>Moreton Rooms</i> <i>Chair: Cassie Jansen</i>	
12.50pm – 1.20pm	Is it a bird? Is it a pig? no, it's not superman Eloise Skinner, Griffith University	
1.20pm – 1.30pm	Japanese encephalitis emergence in Australia: transmission pathways and populations at risk Narayan Gyawali, QIMR Berghofer Medical Research Institute	
1.30pm – 1.40pm	Scoping review of Japanese encephalitis disease transmission models Troy Laidlow, University of Sydney	
1.40pm – 1.50pm	The landscape epidemiology of the Japanese encephalitis outbreak in piggeries in 2022 Michael Walsh, University of Sydney	
1.50pm – 2.00pm	Modelling the future risk of Japanese encephalitis using geographic information system Mariel Flores Lima, Deakin University	
2.00pm – 2.10pm	A time-varying geospatial model of the JEV wildlife reservoir in Australia David Duncan, Telethon Kids Institute	
2.10pm – 2.35pm		Afternoon Tea
2.35pm – 4.25pm	Session 8 – JEV infection models, vaccine options and looking to the future <i>Moreton Rooms</i> <i>Chair: Stacey Lynch</i> 	
2.35pm-2.40pm	Sponsor Address Charles McClintock, Sumitomo Chemical, Craig Warnes, Garrards	
2.40pm – 2.50pm	Australian <i>Culex annulirostris</i> mosquitoes are competent vectors of JEV genotype IV Sarah Jackson, CSIRO	
2.50pm – 3.00pm	Human cortical brain organoid models of the Australian Japanese encephalitis virus isolate Daniel Rawle, QIMR Berghofer Medical Research Institute	
3.00pm – 3.10pm	In vivo characterisation of the Australian Japanese encephalitis virus genotype 4, NSW2022 Wilson Nguyen, QIMR Berghofer Medical Research Institute	
3.10pm – 3.20pm	Supporting vaccination and surveillance options for the pig industry and one health Caitlin O'Brien, CSIRO	
3.20pm – 3.30pm	A chimeric vaccine and rapid diagnostics for Japanese encephalitis virus in pigs Jody Peters, University of Queensland	
3.30pm – 3.40pm	JEV – A new approach Michael Belby, Wide Bay Hospital & Health Services, Queensland Health	
3.40pm – 4.25pm	JEV Panel Discussion - Japanese encephalitis in Australia: here today and gone tomorrow? <i>Chairs: Stacey Lynch and Andrew van den Hurk</i> John Mackenzie, Curtin University, Kristy Richards, SunPork Group, Eloise Skinner, Griffith University, Roxanne Connelly, Centers for Disease Control and Prevention, USA, Richard Russell, University of Sydney, Scott Ritchie, James Cook University	
4.30pm		CLOSE