

# 13<sup>th</sup> Australian Influenza Symposium

Monday, 28 October 2019

QUT Gardens Point Campus, Brisbane

## Program Day 1

0800	Registration
0850	Meeting opening: Ian Barr, WHO CC, Doherty Institute, Melbourne, VIC
0855	Welcome from local host organiser and meeting logistics: Kirsten Spann, QUT, Brisbane, QLD
0900	Opening remarks: Jeanette Young, Queensland Chief Health Officer

### Plenary Session 1: Cohort studies | Chair: Kanta Subbarao, WHO CC, Doherty Institute, Melbourne, VIC

0915	Janet Englund, Fred Hutch Cancer Center, Seattle, WA, USA	Influenza and Other Respiratory Viruses in Childcare Centers
0945	Jonathan Temte, University of Wisconsin, Madison, WI, USA	Use of rapid influenza detection tests for outbreak detection in long-term care facilities
1015	Ben Cowling, The University of Hong Kong, Hong Kong SAR, China	Strategies for the use of enhanced influenza vaccines in older adults
1045	<i>Morning tea</i>	

### Plenary Session 2: Hot topics | Chair: Philip Britton, The University of Sydney, NSW

1115	Alan Hampson, Federation University, VIC	Pandemic Influenza in Australia -1919 to 2019
1135	Belinda Herring, WHO Regional Office, Brazzaville, Republic of the Congo, Africa	Influenza surveillance in the WHO African Region
1155	Kirstie Short, University of Queensland, Brisbane, QLD	Chronic medical conditions and severe influenza virus infections
1215	Yi-Mo Deng, WHO CC, Doherty Institute, Melbourne, VIC	Human infection of a locally acquired swine-origin influenza A(H3N2) variant in Australia
1235	Hui-Ling Yen, LKS Faculty of Medicine, The University of Hong Kong, Hong Kong SAR, China	Ferret model of influenza transmission
1255	<i>Lunch</i>	

### Plenary Session 3: Hot topics – 2019 season | Chair: Chris Blyth, University of Western Australia, Perth, WA

1345	Ian Barr, WHO CC, Doherty Institute, Melbourne, VIC	Intense interseasonal influenza outbreaks, Australia, 2018/19
1405	Robert Booy, NCIRS, Westmead, NSW	The Reliability of Point of Care Testing in Aged Care Facilities
1425	Aye Moa, University of New South Wales, Sydney, NSW	Flucast - a tool to predict seasonal influenza severity
1445	Rob Moss, University of Melbourne, Melbourne, VIC	Forecasting in an unusual season: what can we learn from 2019?

### Roundtable Discussion | Chair: Sheena Sullivan, WHO CC, Doherty Institute, Melbourne, VIC

1505	<b>For discussion:</b> What do we need to do to improve influenza surveillance in Australia and will it make any difference to the outcomes? <b>Panel Members:</b> Frances Birrell, Nigel Crawford, Craig Dalton, Janet Englund, Robin Gilmour, Ian Mackay
1530	<i>Afternoon tea</i>

### Workshop 1: Research | Chair: Kirsty Short, UQ, Brisbane, QLD & Kirsten Spann, QUT, Brisbane, QLD

1600	Patrick Schaeffer, James Cook University, Townsville, QLD	New strategies for influenza nucleoprotein-based diagnostic assays
1615	S. Mark Tompkins, University of Georgia, Athens, GA	Risk assessment of contemporary North American swine influenza viruses in murine models of infection
1630	Louise Rowntree, The University of Melbourne, VIC	Generating Immunity to Severe Influenza Disease in Indigenous Australians
1645	Maryam Shojaei, Westmead Institute for Medical Research, Westmead, NSW	Host directed therapy to regulate neutrophil in an in vitro model of influenza infection
1700	Edin Mifsud, WHO CC, Doherty Institute, Melbourne, VIC	Evaluating the window of susceptibility to secondary bacterial infections post-influenza infection in ferrets
1715	Katina Hulme, The University of Queensland, Brisbane, QLD	Hyperglycaemia induces epithelial-endothelial barrier damage during Influenza A infection
1730	Marcus Tong, The University of Queensland, Brisbane, QLD	Chicken and duck endothelial cells display a markedly different innate immune response to viral challenge
1745	<b>Day 1 concludes: Drinks and finger food at Owen J Wordsworth Function Rooms, S Block, Room 1215 (12th Floor)</b>	

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## Program Day 2

### Plenary Session 4: Industry – Commercial Updates | Chair: Ian Mackay, Queensland Health, Brisbane, QLD

0830	Philippe Buchy, GSK Vaccines Asia Pacific, Singapore	AS03-adjuvanted pandemic vaccines: clinical updates
0845	Chris Clarke, Seqirus Ltd, Melbourne, VIC	Recent developments in Influenza vaccines manufactured in mammalian cells
0900	Hun Kim, SK Biosciences, Korea	Development of Cell Culture-based Influenza Vaccine, SKYCellflu®
0915	Charles Ross, Vaxxas, Brisbane, QLD	Influenza vaccination by Vaxxas high-density micro-array patch (HD-MAP); results from a phase I clinical trial and real-world applications
0930	Sean Parsons, Ellume Pty Ltd, Brisbane, QLD	Influenza rapid test
0945	Emily Mahon, Roche Diagnostics, Sydney, NSW	Rapid and portable PCR influenza testing - taking point of care to the ED and beyond
1000	Daniela Symons-Troy, Cepheid, Australia	Cepheid C360: Turning Insights into Action
1030	<i>Morning tea</i>	

### Workshop 2: Epidemiology | Chairs: Marlena Kaczmarek, ACT Health, Canberra, ACT & Jocelyne McRae, NCIRS, Sydney, NSW

1100	Frances Birrell, Queensland Health, Brisbane, QLD	Surveillance of respiratory disease outbreaks in Residential Aged Care Facilities in Queensland: 2012 – 2019
1115	George Milne, University of Western Australia, Perth, WA	Mathematical modelling to inform the national seasonal influenza vaccination policy: findings from our study
1130	Jocelyne McRae, NCIRS, Sydney, NSW	Preventing influenza illness in young infants through maternal vaccination: a multisite, multiyear analysis
1145	Philip Britton, The University of Sydney, NSW	Influenza Associated Myositis: a single-centre, 5-Year retrospective Study
1200	David Muscatello, University of NSW, Sydney, NSW	Rapidly mapping the spread of influenza
1215	Sandra Carlson, Hunter New England Local Health District, Newcastle, NSW	Insights into the burden of influenza in Indigenous Australians, 2019
1230	Robin Gilmour, Health Protection NSW, Sydney, NSW	Drivers of a summer influenza epidemic – New South Wales, 2018-2019
1245	Christopher Blyth, University of Western Australia, Perth, WA	Improving Influenza Vaccination in Children with Comorbidities: A Meta-Analysis
1300	<i>Lunch</i>	

### Plenary Session 5: | Chair: David Muscatello; UNSW, Sydney, NSW

1345	Benjamin Tang, The University of Sydney, NSW	Predicting risk in severe influenza infection
1415	Jonathan Temte, University of Wisconsin, Madison, WI, USA	Evaluating influenza from a community perspective: insights on School absenteeism, vaccine effectiveness, and molecular epidemiology
1445	Janet Englund, Fred Hutch Cancer Center, Seattle, WA, USA	Influenza in the community: An overview of the Seattle Flu Study
1515	<i>Afternoon tea</i>	

### Joint RSV session with the Australian Respiratory Virology Meeting | Chair: Kristine Macartney, NCIRS, Westmead, NSW

1545	Welcome	
1550	Nigel Crawford, Murdoch Children's Research Institute, Melbourne, VIC	WHO program phase 1 results and plans for phase 2
1610	Gemma Saravanos, NCIRS, Westmead, NSW	Respiratory syncytial virus-associated hospitalisations in the Australian population
1630	Gary Grohmann, Environmental Pathogens, Canberra, ACT	Influenza – a reality check!
1650	Robert Booy, NCIRS, Westmead, NSW	RSV in the elderly
1710	<b>Joint session and Australian Influenza Symposium concludes</b>	