



# COVID-19 Genomics 2.0

Biology, Genomics, and Public Engagement of Coronavirus/SARS-CoV-2



Thursday 4th November, 11am-3pm AEDT

11:00am	<b>Opening Remarks</b> Dr Katherine Pillman & James Ferguson
<b>Biology</b>	
11:10	<b>Using genomics to target public health responses to COVID-19</b> Dr Rebecca Rockett (University of Sydney, Australia)
11:25	<b>Using technology to scale COVID-19 testing</b> Josh Warburton (Decode Science)
11:40	<b>AusTrakka – a national pathogen genomics surveillance platform</b> Associate Professor Torsten Seemann (Doherty Institute, Australia)
11:55	<b>Phylogenetics in a Pandemic: Challenges and Solutions</b> Associate Professor Robert Lanfear (Australian National University, Australia)
12:10	<b>Break - 5 min</b>
12:15	<b>Sponsor:</b>
12:20	<b>Sponsor:</b>
<b>Sequencing</b>	
12:25	<b>Rapid and inexpensive whole-genome sequencing of SARS-CoV-2 using the “midnight” panel</b> Dr Nikki Freed (University of Auckland, New Zealand)
12:40	<b>How real-time genomics and epidemiology enabled informed policy and targeted outbreak control measures</b> Dr Joep de Ligt (Institute of Environmental Science and Research, New Zealand)
12:55	<b>Lessons learned from the winter 2021 outbreaks of delta SARS-CoV-2 in Australia</b> Dr Charles Foster (University of New South Wales/Prince of Wales Hospital, Australia)
13:10	<b>Break - 5 min</b>
13:15	<b>Sponsor:</b>
13:20	<b>Longevity of naturally-induced SARS-CoV-2 immunity</b> Associate Professor Rowena Bull (University of New South Wales/Kirby Institute, Australia)
<b>Public Engagement</b>	
13:35	<b>Supporting COVID-19 response through model-based situational assessment</b> Dr Freya Shearer (University of Melbourne, Australia)
13:50	<b>Severe COVID: prevention, attention, intervention</b> Dr Dan Suan (Westmead Hospital, Australia)
14:05	<b>Communicating the pandemic</b> Associate Professor Siouxsie Wiles (University of Auckland, New Zealand)
14:20-15:00	<b>Panel - Public Engagement</b> Siouxsie Wiles, Dan Suan, Freya Shearer