

Detection and Diagnostics Forum

RD&E Gaps and Opportunities

21 October 2021, 1:00 – 4:00 pm

Time	Topic	Speakers
1:00	Welcome	Jo Luck, Program Director (PBRI)
1:05	Introduction	Brendan Rodoni, Chair Subcommittee Plant Health Diagnostics (SPHD)
1:15	MALDI-TOF Mass Spectrometry for Biosecurity Diagnostics	David Nehl, Director - Plant Pathology and Botany Section, Operational Science and Surveillance (DAWE)
1:25	Haplotyping Coconut Rhinoceros Beetle	Kayvan Etebari, Research Fellow, School of Biological Science (UQ, ACIAR)
1:35	Boosting National Diagnostics R&D4P Project	K'trie Coster, Project Manager, Rural R&D for Profit - Boosting Diagnostics (GRDC)
1:45	Cost effective virus detection in-field	TBC
1:55	The Application of High Throughput Sequencing (HTS) as a National Biosecurity Tool	Monica Kehoe, Molecular Plant Pathologist (DPIRD, WA)
2:05	National Diagnostic Protocols and PHA Diagnostics Databases	Kath DeBoer, Project Officer (PHA)
2:20 - Break		
2:30	Mobile Identification of BMSB	Alexander Schmidt-Lebuhn, Research Scientist, Plant Systematics and Population Genetics (CSIRO)
2:40	3D x-ray Technology and Auto Risk Detection Algorithms	Joel Willis, Director, Detection Capability and Emerging Technology (DAWE)
2:50	eDNA opportunities in biosecurity	Andrew Weeks, Director (Cesar Australia)
3:00	COVID-19 Detector Dog Feasibility Study	Jeff Smith, Director, Detection Capability and Emerging Technology (DAWE)
3:10	B3 New Zealand Diagnostics Projects, Future Research	Karen Armstrong, Diagnostics theme leader (B3 New Zealand)
3:30	Questions and Discussion	
4:00 pm - Close		