

# Advanced Diagnostics and Physiological Monitoring in Critical Care Symposium 2021

6-7 August 2021 • Brisbane Convention & Exhibition Centre

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## FRIDAY

6th August 2021

<b>8:00 AM</b> to 10:30 AM	<b>Symposium Opening Plenary Session</b> <b>Session Chairs: Loki Johnk, Sadie Callahan</b>  8.00am - <b>Welcome and Housekeeping</b> Associate Professor Nai An Lai, Symposium Convenor 2021  8.15am - <b>Plenary: COVID-19: Challenges and Triumphs in Resource Limited Settings</b> Professor Bala Venkatesh, University of Queensland and the George Institute for Global Health  9.00am - <b>Plenary: Septic Acute Kidney Injury – Pathophysiology and Diagnostics 2021</b> Professor Rinaldo Bellomo, The University of Melbourne  9.45am - <b>Plenary: Detecting SARS-CoV-2: Rapid Evolution of Diagnostic Techniques in a Respiratory Pandemic</b> Dr Ian Gassiep, Mater Health
<b>10:30 AM</b> to 11:00 AM	<b>Morning Tea</b>
<b>11:00 AM</b> to 12:30 PM	<b>Thematic Session 1: Respiratory Diagnostics and Monitoring in the 21st Century</b> <b>Session Chairs: Anne Leditschke, Sarah Chaseling</b>  11.00am - <b>The Mechanical Ventilator as a Diagnostic and Monitoring Tool</b> Associate Professor Nai An Lai, Mater Health  11.30am - <b>Lung/Thoracic Ultrasound as a Diagnostic and Monitoring Tool in Critical Care</b> Dr Kylie Baker, Ipswich General Hospital  12.00pm - <b>Inspiratory Muscle Assessment and Training in Critical Care</b> Dr Bernie Bissett, University of Canberra
<b>12:30 PM</b> to 1:30 PM	<b>Lunch</b>

<p><b>1:30 PM</b> to 3:00 PM</p>	<p><b>Thematic Session 2: Micronutrients, Molecular Diagnostics and Therapeutic Drug Monitoring</b></p> <p><b>Session Chairs: Tara Morrison, Andras Nyikovics, Daijana Martens</b></p> <p>1.30pm - <b>The VITAMINS Trial and the Future of Vitamin C in Intensive Care</b> Professor Rinaldo Bellomo, The University of Melbourne</p> <p>2.00pm - <b>The Next Generation of Molecular Diagnostics: Whole Genome Sequencing, Amplicon Panels and Metagenomics</b> Professor Amy Jennison, Queensland Department of Health</p> <p>2.30pm - <b>Therapeutic Drug Monitoring in Critical Care</b> Dr Mohd Hafiz Abdul Aziz, University of Queensland</p>
<p><b>3:00 PM</b> to 3:30 PM</p>	<p><b>Afternoon Tea</b></p>
<p><b>3:30 PM</b> to 5:00 PM</p>	<p><b>Thematic Session 3: Diagnosing and Monitoring Deterioration in the Hospital</b></p> <p><b>Session Chairs: Mandy Ng, Nai An Lai</b></p> <p>3.30pm - <b>Using Big Data to optimise MET Activation and Utilisation</b> Dr Victoria Campbell, CEQ/PSQIS</p> <p>4.00pm - <b>ICU Perioperative Morbidity and Mortality - Past, Present and Future</b> Dr Adrian Langley, Mater Health</p> <p>4.30pm - <b>Machine Learning and Artificial Intelligence in Critical Care</b> Professor Brent Richards, Griffith University and Gold Coast University Hospital</p>

For the most up to date version, visit <https://event.icebergevents.com.au/adpmocc2021/program>