

## SCCI & AiM 24 Program

Short Course in Critical Infection (SCCI) and Antimicrobial Masterclass (AiM) 2024  
Cronin Room, Whitty Building, Mater Hospital, Brisbane QLD

### Day 1 Friday 4<sup>th</sup> October 2024

0730-0800	Registration	Delegates
0800-0805	Welcome, acknowledgement and housekeeping	A/Prof Nai An Lai
<b>Session 1: Antimicrobial Resistance (AMR) and emerging infections</b>		
<b>Chairs:</b> Dr Loki Johnk & Dr Cassie Foote		
0805-0850	AMR - An Overview with perspective from resource-limited settings	Dr Nikki Townell, Ms Frances Kennedy
0850-0925	Emerging and re-emergent infections of significance	Prof Daniel Watterson
0925-1000	HOTspots surveillance and response program (CSIRO)	A/Prof Teresa Wozniak
1000-1025	Morning tea	
<b>Session 2: New Antimicrobials</b>		
<b>Chairs:</b> A/Prof Nai An Lai & Dr Mandy Ng		
1025-1100	New antibiotics for gram positive and gram-negative infections	Dr Mark Armstrong
1100-1135	Invasive fungal infections and antifungals	Prof Geoffrey Playford
1135-1210	Prolonged vs intermittent infusion of beta lactam antibiotics in adults with sepsis or septic shock	Dr Mohad Hafiz Abdul-Aziz
1210-1300	Lunch	
<b>Session 3: AI and diagnostics</b>		
<b>Chairs:</b> Mrs Sarah Chaseling & Dr Peter Scott		
1300-1335	AI and Machine Learning applications in Critical Infection	Prof Malcolm Pradhan
1335-1410	Rapid molecular diagnostics in critical infection	Dr Loki Johnk
1410-1445	An update of -omics in critical infection	A/Prof Nai An Lai
1445-1515	Afternoon tea	
<b>Session 4: Interesting cases and debate</b>		
<b>Chairs:</b> Ms Lynsey Lawrence & Dr Amod Karnik		
1515-1535	Case 1 – Mater Micro Team (case of SS)	Dr Mark Fahmy
1535-1555	Case 2 – QEII Team and PAH Team	Dr Patrick Owen
1555-1615	Case 3 - Mater ICU team, (case of GM)	Dr Cassie Foote
1615-1655	Debate - POC testing will render micro lab obsolete in the acute phase of critical illness in the future	Dr Loki Johnk, Dr Mark Fahmy (affirmative) Dr Nikki Townell, Dr Amod Karnik (negative)
1655-1700	Close	A/Prof Nai An Lai

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Day 2 Saturday 5<sup>th</sup> October 2024

0800-0830	Registration	Delegates
<b>Session 5: Sepsis and Critical Care</b>		
<b>Chairs:</b> Dr Peter Scott		
0830-0905	Immune dysregulation in sepsis and the impact of biologic	Prof Bala Venkatesh
0905-0940	Vasoactive agents in septic shock – old and new	Dr Shane Townsend
0940-1015	Selective Decontamination of the Digestive Tract (SDD) in the ICU – why and why not	Dr Anthony Ryan
1015-1045	Morning tea	
<b>Session 6: Novel therapeutics</b>		
<b>Chairs:</b> Prof Jon Iredell		
1045-1120	Phage therapy	Dr Holly Sinclair
1120-1155	Plasmid Therapy to Eradicate Antibiotic Resistance	Dr Kamal Kamruzzaman
1155-1230	Infectious complications of novel cellular therapies for blood cancers	Dr Stephen Boyle
1230-1330	Lunch	
<b>Session 7: Syndromes</b>		
<b>Chairs:</b> Dr Anthony Ryan		
1330-1405	Infective and non-infective encephalitis - an overview	Dr Andrew Swayne
1405-1440	Zoonosis	Dr Kathryn Wilks
1440-1510	Canapés and drinks	
<b>Session 8: Dosing and the future</b>		
<b>Chairs:</b> A/Prof Nai An Lai & Mrs Tara Morrison		
1510-1545	Safe prescribing (& Antimicrobial Stewardship) in the Digital Era	Dr Mandy Ng
1545-1620	Antimicrobial dosing and TDM in critically ill patients	Dr Mohad Hafiz Abdul-Aziz
1620-1655	Future directions in critical infection – collaborative research initiatives	Prof Paul Griffin
1655-1700	Close	A/Prof Nai An Lai

