

## **SCCI & AiM 2024**

Short Course in Critical Infection & Antimicrobial Masterclass  
Mater Hospital, Brisbane QLD  
4-5 October 2024



# Message from the program committee

Welcome to the combined Short Course in Critical Infection (SCCI) & Antimicrobial Masterclass (AiM) 2024.

The program committee would like to acknowledge the Traditional Custodians of the land on which we stand and work, and we pay our respect to the Aboriginal and Torres Strait Islander elders past and present.

Since SCCI's inception in 2012 by Professor Jon Iredell, the course has provided a unique platform for learning, collaboration and exchange of ideas among infectious diseases clinicians, microbiologists, intensive care practitioners, emergency medicine clinicians and pharmacists in the area of critical infections.

AiM was the brainchild of Pharmacist Dr Mandy Ng and Intensivist A/Prof Nai An Lai. The 1-day intensive course was first held in 2019 with the objective of enhancing front-line acute care clinicians' knowledge and skills in the appropriate and effective use of antimicrobials. The course allows infectious diseases specialists and microbiologists to share their wisdom and expertise with other clinicians and trainees who are front-line users of antimicrobials.

We would like to thank bioMérieux & Pfizer for their support for this course and providing the opportunity to subsidise the registration fees for all attendees.

It is our sincere hope that you find the course exciting, meaningful and relevant to your clinical practice. Your opinion will help us to improve the program and we would love to have your feedback after the course, please use the QR code on the following pages to submit your feedback.

Program Committee: Prof Jon Iredell, A/Prof Nai An Lai, Dr Mandy Ng and Dr Holly Sinclair



# General Information

**Wifi** MaterGuest, no password required

**Venue** Cronin Room, Whitty Building, Mater Hospital Brisbane

**Name badge** please collect your name badge from registration desk, there will be a new one for day two

**Program booklet** hold onto your booklet for day two. Booklet available online at <https://criticalinfection.com/event/scci-aim-4-5-oct-2024-qld/>  
Extra programs available at reception desk

**Certificate of attendance** will be emailed out to participants after the course

**Refreshments & dietary requirements** Morning tea, lunch and afternoon tea will be provided for Day 1 (Fri). Morning tea, lunch, canapés and drinks will be provided for Day 2 (Sat). If you have notified the organisers of any dietary requirements, please make yourself known to event staff at catering times.

## Feedback

When you have completed the course  
Scan the QR code to give your feedback

Please fill in the quick 8 question survey,  
It takes approximately one minute  
your feedback is extremely important to us.



## Program Friday 4th 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 Townnell, 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 Townnell, Dr Amod Karnik (negative)
1655-1700	Close	A/Prof Nai An Lai

## Program Saturday 5th 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

Program committee followed by speakers in order of appearance on following pages

## Program Committee



### **Prof Jon Iredell**

Senior staff specialist, Infectious Diseases and Microbiology, Westmead Hospital and NSW Pathology  
Conjoint Professor of Medicine and Microbiology, University of Sydney



### **A/Prof Nai An Lai**

Director, Intensive Care Services, Mater Health  
Director of Clinical Governance, Surgical, Neurosurgery, Acute Care and Cancer Services, Mater Health  
Associate Professor, Griffith University



### **Dr Mandy Ng**

Antimicrobial Stewardship (AMS) and Infectious Diseases Pharmacist, Queen Elizabeth II Jubilee (QEII) Hospital



### **Dr Holly Sinclair**

Advanced Therapeutics Fellow Westmead Hospital

## Day 1 – Friday 4th Oct



**Dr Nikki Townell**

Clinical Director Microbiology at Mater Pathology



**Ms Frances Kennedy**

Nurse Advisor, National Referral Hospital, Honiara, Solomon Islands



**Prof Daniel Watterson**

Molecular and Structural Virologist, School of Chemistry and Molecular Biosciences  
Faculty of Science, University of Queensland



**A/Prof Teresa Wozniak**

Principal Research Scientist, Australian e-Health Research Centre, CSIRO





**Dr Mark Armstrong**

Infectious Disease Physician and Clinical Microbiology,  
Mater Pathology



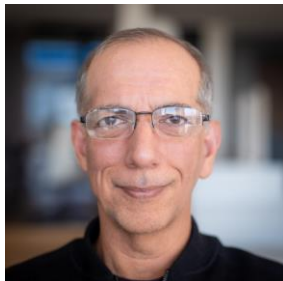
**Prof Geoffrey Playford**

Director, Infection Management Services, Princess  
Alexandra Hospital, Metro South Health



**Dr Hafiz Abdul-Aziz**

Early Career Research Fellow and Clinical Research  
Pharmacist, The University of Queensland Centre for  
Clinical Research (UQCCR), The University of  
Queensland



**Prof Malcolm Pradhan**

Adjunct Professor, Digital Health, The University of  
Sydney



**Dr Loki Johnk**

Intensive Care Staff Specialist, Mater Adult Hospital  
Brisbane



**Dr Mark Fahmy**

Infectious Diseases and Microbiology Advanced  
Trainee, Pathology Queensland



**Dr Patrick Owen**

RACP Basic Physician Trainee, Metro South Health QLD



**Dr Cassie Foote**

ICU fellow, Mater Hospital  
Associate Lecturer, UQ School of Medicine



**Dr Amod Karnik**

Deputy Director, Senior Staff Specialist, Intensive Care Services, Mater health  
Senior Lecturer, University of Queensland

**Day 2 – Saturday 5th Oct**



**Prof Bala Venkatesh**

Professor of Intensive Care Medicine, Gold Coast University Hospital  
Critical Care Program Director, The George Institute for Global Health



**Dr Shane Townsend**

Director Intensive Care Services, Royal Brisbane & Women's Hospital  
Senior Lecturer, Medical School, University of Queensland



**Dr Anthony Ryan**

Intensive Care Specialist, Mater Hospital Brisbane



**Dr Kamal (Muhammad) Kamruzzaman**

Senior Lecturer and Senior Scientist, Centre for Infectious Diseases and Microbiology, Westmead Institute for Medical Research, University of Sydney



**Dr Stephen Boyle**

Consultant Haematologist, The Mater & Royal Brisbane hospital



**Dr Andrew Swayne**

Director of Neurology, the Mater Centre for Neurosciences



**Dr Kathryn Wilks**

Infectious Disease Specialist and Clinical Microbiologist, Sunshine Coast Hospital and Health Service



**Prof Paul Griffin**

Director of Infectious Diseases, Mater Health Services  
Head of the Mater Clinical Unit for UQ School of  
Medicine

**Chairs**



**Mrs Sarah Chaseling**

BSN GradCert Intensive Care Nursing. Nurse Manager  
Intensive Care Unit, Mater Hospital Brisbane



**Dr Peter Scott**

Intensivist, Mater Hospitals South Brisbane



**Ms Lynsey Lawrence**

Nurse Manager, Intensive Care Unit  
Mater Private Hospital Brisbane

## Chairs



**Mrs Tara Morrison**

Critical Care Pharmacist, Mater Health

## Course logistics



**Ms Emily Mascord**

Executive Assistant, Professor Jon Iredell  
Centre for Infectious Diseases and Microbiology, The  
Westmead Institute for Medical Research  
The University of Sydney

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Thank you for attending the combined  
Short Course in Critical Infection  
& Antimicrobial Masterclass 2024  
We hope to see you in 2025!

