SCCI 2019

Short Course in Critical Infection

5-6 September, Mater Hospital, South Brisbane
Message from the program committee

Welcome to the annual Short Course in Critical Infection (SCCI) 2019.

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, present and emerging.

Since its inception in 2012 by Professor Jon Iredell, the SCCI 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.

We are excited that this is the first time the course is being held outside of Sydney. As with all previous SCCIs, we are privileged to have eminent clinicians and leading researchers to be our faculty this year. You may notice a definite Queensland flavour in this year’s program and we would like to take this opportunity to thank all the speakers for their time and efforts over the next two days. We would also like to acknowledge those of you who travelled from afar to support this course.

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 course and we would love to have your feedback after the course.

Program Committee:
Prof. Jon Iredell, A/Prof. Nai An Lai, A/Prof. Paul Griffin, Dr Pierre Janin

Feedback
When you’ve completed the course please fill in the survey it takes less than 2 minutes, thank you.
Scan the QR code or
www.surveymonkey.com/r/FXV29TV
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0745-0815</td>
<td>Registration</td>
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<tr>
<td>0815-0830</td>
<td>Welcome Address</td>
<td>Prof Jon Iredell, A/Prof Nai An Lai</td>
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<tr>
<td>0830-0900</td>
<td>Antimicrobial Resistance</td>
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<tr>
<td>Update on gram positive infection and MIC testing</td>
<td>Dr Andrew Henderson</td>
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<td>0900-0930</td>
<td>Update on multi-resistant gram negative infection</td>
<td>A/Prof Paul Griffin</td>
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<td>0930-1000</td>
<td>Global epidemiology of sepsis</td>
<td>Prof Bala Venkatesh</td>
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<tr>
<td>1000-1030</td>
<td>Septic shock reversal: Predictors, mechanisms and clinical significance</td>
<td>Prof Bala Venkatesh</td>
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<td>1030-1100</td>
<td>Morning tea</td>
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<tr>
<td>1130-1200</td>
<td>Diagnostics</td>
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<td>New microbial diagnostics — clinical metagenomics</td>
<td>Dr Sanmarie Schlebusch</td>
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<tr>
<td>1200-1230</td>
<td>Machine learning and AI decision support in sepsis</td>
<td>A/Prof Brent Richards</td>
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<tr>
<td>1230-1300</td>
<td>Rapid diagnostic tools in respiratory infection</td>
<td>A/Prof Benjamin Tang</td>
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<td>1300-1345</td>
<td>Lunch</td>
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<td>1345-1415</td>
<td>Immunocompromised Host, Infection Control and Immunotherapy</td>
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<td>What's in a cough: Implications for the care of patients with Influenza and MROs</td>
<td>Prof Scott Bell</td>
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<td>1415-1445</td>
<td>Cellular therapy for opportunistic viral and fungal pathogens – State of the art</td>
<td>Dr Emily Blyth</td>
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<td>1445-1515</td>
<td>Invasive Fungal Infections</td>
<td>Prof Geoffrey Playford</td>
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<td>1515-1545</td>
<td>Biologics and Infections: An Update</td>
<td>A/Prof Paul Griffin</td>
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<td>1545-1615</td>
<td>Canapes and drinks</td>
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<tr>
<td>1615-1715</td>
<td>Round table discussion - Chair: Dr Amod Karnik</td>
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<td><em>Topics:</em></td>
<td>Code Sepsis: Recognizing and Responding to Patients with Sepsis in the Hospital Wards – paradigm shift or shifting sand?</td>
<td>Dr Shane Townsend, Prof Bala Venkatesh, A/Prof Paul Griffin, Prof Jon Iredell, A/Prof Nai An Lai</td>
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<td></td>
<td>Time to antibiotics as a KPI in sepsis care and increasing use of broad spectrum antibiotic as empirical therapy – how do we find the balance?</td>
<td>Dr Shane Townsend, Prof Bala Venkatesh, A/Prof Paul Griffin, Prof Jon Iredell, A/Prof Nai An Lai</td>
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## Program Friday 6th September 2019

### Therapeutics
Chair: Dr Shane Townsend

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>0800-0830</td>
<td>TDM for Beta Lactams – State of the art</td>
<td>Prof Jason Roberts</td>
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<tr>
<td>0830-0900</td>
<td>Dosing of antimicrobials in critically ill patients</td>
<td>Prof Jeff Lipman</td>
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<tr>
<td>0900-0930</td>
<td>Vancomycin dosing and therapeutic drug monitoring: Practical tips and conundrum</td>
<td>Dr Mandy Ng</td>
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<tr>
<td>0930-1000</td>
<td>Phage Therapy</td>
<td>Prof Jon Iredell</td>
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<tr>
<td>1000-1030</td>
<td>Morning tea</td>
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### Interesting Bugs, Diseases and Syndromes
Chair: A/Prof Paul Griffin

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>1030-1100</td>
<td>Q fever and other significant zoonoses</td>
<td>A/Prof David Looke</td>
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<tr>
<td>1100-1130</td>
<td>Sepsis associated AKI</td>
<td>Prof Bala Venkatesh</td>
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<tr>
<td>1130-1200</td>
<td>Malaria – the essentials</td>
<td>Prof James McCarthy</td>
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<td>1200-1230</td>
<td>Mycobacterial infections in the ICU</td>
<td>Dr Chris Coulter</td>
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<td>1230-1315</td>
<td>Lunch</td>
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### Cases
Chair: Dr Loki Johnk, Dr Ravi Pillai

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>1315-1335</td>
<td>Overwhelming Salmonella sepsis from intentional ingestion of a live Gecko</td>
<td>Dr Jennifer Gaffney</td>
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<td>1335-1355</td>
<td>Diphtheria bacteraemia with endocarditis and intraocular haemorrhage in an IVDU</td>
<td>Dr Matt Ciantar</td>
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<td>1355-1415</td>
<td>Ureaplasma Urealyticum infection presenting as Xanthogranulomatous Pyelonephritis and Perinephric Abscess in an Immunocompromised Patient</td>
<td>Dr Alexander Ga-Onn Ngoo</td>
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<td>1415-1435</td>
<td>Disseminated BCG infection</td>
<td>Dr Jared Eisemann</td>
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<td>1435-1455</td>
<td>Severe Acute Pancreatitis with Infected Necrosis</td>
<td>Dr Gary Foo</td>
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<td>1455-1515</td>
<td>Severe Legionnaires’ Disease requiring ECMO</td>
<td>Dr Heidi Vogelbusch</td>
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<tr>
<td>1515-1520</td>
<td>Closing Address</td>
<td>Prof Jon Iredell</td>
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<tr>
<td>1520-1545</td>
<td>Refreshments</td>
<td>A/Prof Nai An Lai</td>
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</tbody>
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Speakers in order of appearance on following pages
**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

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

**Dr Andrew Henderson**  
Infectious Disease Physician  
Princess Alexandra and QEII Jubilee Hospitals  
Lecturer and PhD candidate, Centre for Clinical  
Research, University of Queensland

**A/Prof Paul Griffin**  
Infectious Diseases Physician and Clinical Microbiologist  
Director of Infectious Diseases, Mater Health Services  
Medical Director and Principal Investigator, Q-Pharm  
Conjoint Associate Professor, School of Medicine,  
University of Queensland
Prof Bala Venkatesh
Professor of Intensive Care, University of Queensland
Director of Intensive Care, Wesley Hospital

Dr Sanmarie Schlebusch
Staff Specialist Microbiology/Clinical Microbiologist,
Forensic & Scientific Services & Pathology Queensland;
Senior lecturer and researcher, University of Queensland

A/Prof Brent Richards
Director of Critical Care Research and Medical Director
of Innovation, Gold Coast Health

A/Prof Benjamin Tang
Department of Intensive Care Medicine, Nepean
Clinical School, Faculty of Health Sciences,
University of Sydney
Centre for Immunology and Allergy Research,
Westmead Institute for Medical Research
Dr Pierre Janin
Intensivist, Royal North Shore Hospital

Prof Geoffrey Playford
Director of Infection Management Services and Infectious Disease Physician
Princess Alexandra Hospital
Clinical Microbiologist, Pathology Queensland

Dr Emily Blyth
Ludwig Engel Fellow; Medicine, Westmead Clinical School; The Westmead Institute for Medical Research; Haematologist; Department of Haematology;
Westmead Hospital - BMT Cell Therapies

Prof Scott Bell
Executive Director – Research, Metro North Hospital and Health Service; Senior Physician, The Prince Charles Hospital; Group Leader, QIMR Berghofer Medical Research Institute, Brisbane
Dr Amod Karnik  
Senior Intensivist and Supervisor of Training  
Mater Health Services Brisbane

Dr Shane Townsend  
Clinical Director, Royal Brisbane & Women’s Hospital  
Senior Lecturer, School of Medicine,  
University of Queensland

Notes;
Prof Jason Roberts
Professor of Medicine and Pharmacy, University of Queensland

Prof Jeff Lipman
Professor and Head, Anaesthesiology and Critical Care, The University of Queensland.
Research Ambassador, Royal Brisbane and Women’s Hospital.
Scientific Consultant, Nimes University Hospital, University of Montpellier, Nimes, France.

Dr Mandy Ng
Pharmacist, Advanced (Infectious Diseases and Antimicrobial Stewardship), The Queen Elizabeth II Jubilee Hospital

A/Prof David Looke
Infectious Diseases Physician and Clinical Microbiologist
Associate Professor, The University of Queensland
**Prof James McCarthy**  
Senior Consultant Infectious Diseases, Royal Brisbane and Women's Hospital  
Lab Head Professor, Clinical Tropical Medicine, Queensland Institute of Medical Research  
Professor of Medicine, University of Queensland

**Dr Chris Coulter**  
Director, Queensland Mycobacterium Reference Laboratory (QMRL) World Health Organization Collaborating Centre for Tuberculosis Bacteriology and Supranational Reference Laboratory, Central Laboratory, Pathology Queensland, Royal Brisbane and Women’s Hospital

**Dr Loki Johnk**  
Intensivist, Mater Health Services Brisbane

**Dr Ravi Pillai**  
Intensivist, Mater Health Services Brisbane
Dr Jennifer Gaffney
Consultant Anaesthetist, The Mater and The Prince Charles Hospital

Dr Matt Ciantar
ICU PHO, The Queen Elizabeth II Jubilee Hospital

Dr Jared Eisemann
Infectious Diseases Physician Mater/Ipswich Hospital,
Senior Lecturer University of Queensland

Dr Gary Foo
Fellow, General Surgery
Mater Health Services Brisbane
Dr Heidi Vogelbusch  
CMO, Mater Springfield  
ICU, Sunnybank Private

Dr Alexander Ga-Onn Ngoo  
Senior House Officer at the Queensland Children's Hospital

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For more information
Critical Infection
critical.infection@sydney.edu.au