

Mycology MasterClass VIII

26-28 October 2017

Mantra On Salt Beach - Kingscliff, NSW, Australia



PROGRAM

CONVENOR | Sarah Kidd

STEERING COMMITTEE

Sharon Chen	David Ellis	Richard Malik	Debbie Marriott
Wieland Meyer	Orla Morrissey	Brendan McMullan	Monica Slavin

Mycology Masterclass is organised under the auspices of ANZMIG

FACULTY

Mr. Ian Arthur	Mycology, PathWest Laboratory Medicine, QEII Medical Centre, Perth
A/Prof. Sharon Chen	Centre for Infectious Diseases & Microbiology, Westmead Hospital, University of Sydney
A/Prof. Julia Clark	Lady Cilento Children's Hospital, Brisbane
Dr. Celia Cooper	Microbiology & Infectious Diseases, SA Pathology, Women's and Children's Hospital, Adelaide
A/Prof. David Ellis	University of Adelaide, Adelaide
Dr. Shaun Fleming	Dept. Haematology, Alfred Health, Melbourne
Dr. Nicky Gilroy	Centre for Infectious Diseases & Microbiology, Westmead Hospital, Sydney
Dr. Amanda Gwee	Royal Children's Hospital, Melbourne
Dr. Catriona Halliday	Centre for Infectious Diseases and Laboratory Services, Pathology West, ICPMR, Westmead Hospital, Sydney
A/Prof. Chris Heath	Infectious Diseases, Royal Perth Hospital, Perth
Dr. Karina Kennedy	Dept. Microbiology, Canberra Hospital, Canberra
Dr. Sarah Kidd	National Mycology Reference Centre, SA Pathology, Adelaide
A/Prof. Mark Krockenberger	Centre for Veterinary Education, University of Sydney, Sydney
Prof. Richard Malik	Centre for Veterinary Education, University of Sydney, Sydney
Prof. Debbie Marriott	Department of Microbiology, St Vincent's Hospital, Sydney
Dr. Genevieve McKew	Microbiology & Infectious Diseases, Concord Hospital, Sydney
Dr. Brendan McMullan	Immunology & Infectious Diseases, Sydney Children's Hospital, Randwick
Prof. Wieland Meyer	Molecular Mycology Research Laboratory, CIDM, MBI, WIMR, University of Sydney
Dr. Arthur Morris	Microbiology Laboratory, Auckland City Hospital, Auckland, New Zealand
Dr. Orla Morrissey	Dept. Infectious Diseases, Alfred Health, Melbourne
Prof. Monica Slavin	Dept. Infectious Diseases, Peter MacCallum Cancer Centre, Melbourne
Prof. Tania Sorrell	Marie Bashir Institute for Infectious Diseases and Biosecurity, The University of Sydney
A/Prof. Sebastian van Hal	Microbiology & Infectious Diseases, Royal Prince Alfred Hospital, Sydney

PCO | Lesley Woods, TMP [the meeting people]

Thursday 26 October 2017 | Plantation Room

LABORATORY MYCOLOGY | REGISTRATION FROM 8.00AM

8.30am – 8.45am **Welcome and Opening Remarks**
Sarah Kidd

SESSION 1 | Laboratory Methods

Session Chair: *Sarah Kidd*

8.45am – 9.30am

- Diversity of methods used in Australasian mycology laboratories
Arthur Morris
- Safety in the mycology laboratory
Ian Arthur

SESSION 2 | Fungal Nomenclature

Session Chair: *Debbie Marriott*

9.30am – 10.30am

- What's in a name? Laboratory and clinical perspectives
Sarah Kidd and Orla Morrissey
- *Cryptococcus*: species or varieties? Nomenclature from the global population genetic perspective
Wieland Meyer

10.30am – 11.00am MORNING BREAK

SESSION 3 | Diagnostics: Old and New

Session Chair: *Wieland Meyer*

11.00am – 12.30pm

- New non-culture based diagnostics: what, when, and how to introduce
Catriona Halliday
- The mycology laboratory coalface: tips and tricks for MALDI-TOF, POCT, and automation
Sharon Chen
- Is antifungal susceptibility testing clinically useful?
Sarah Kidd

12.30pm – 1.30pm LUNCH BREAK

SESSION 4 | New Technologies, Needs and Applications

Session Chair: *Arthur Morris*

1.30pm – 3.30pm

- Fungal barcoding and its applications
Wieland Meyer
- Fungal whole genome sequence analysis
Sebastian van Hal
- Antifungal resistance: can genetic technologies help?
Catriona Halliday and Sharon Chen

3.30pm – 4.00pm AFTERNOON BREAK

4.00pm – 5.00pm **Fungal Quiz**
David Ellis

6.00pm – 8.00pm **Registration and Welcome Mixer | Mantra Pool Deck**

CLINICAL MYCOLOGY I

SESSION 5 | Paediatric Mycoses

Session Chair: *Celia Cooper and Brendan McMullan*

8.45am – 10.15am

- Fungal infections in Primary Immune Deficiency (PID)
Julia Clark
- Azole dosing and monitoring in children and adolescents
Amanda Gwee
- Cases in children: usual (and unusual) suspects
Tess Edmonds, Nan Vasilunas, Archana Koirala, Julie Huynh

10.30am – 11.00am MORNING BREAK

SESSION 6 | Haematology and Haematological Malignancy

Session Chair: *Orla Morrissey*

10.45am – 12.30pm

- New risks, new targets
Monica Slavin
- Prophylaxis
Shaun Fleming
- Breakthrough infections and salvage therapy
Karina Kennedy

12.30pm – 1.30pm LUNCH BREAK

SESSION 7 | Fungal Infection in Solid Organ Transplants

Session Chair: *Debbie Marriott*

1.30pm – 3.00pm

- Epidemiology of aspergillosis in heart/lung transplantation
Chris Heath
- Antifungal prophylaxis in lung and lung-heart transplants
Orla Morrissey
- Outbreaks and typing methods: lessons learned
Wieland Meyer

3.00pm – 3.30pm AFTERNOON BREAK

SESSION 8 | Difficult *Candida* Infections

Session Chair: *Monica Slavin*

3.30pm – 5.00pm

- Candidaemia: changing epidemiology?
Debbie Marriott
- Risk stratification of invasive candidiasis in the ICU; who, when & how to prophylax
Tania Sorrell
- Update on superficial candidiasis
Genevieve McKew

6.00pm – 9.00pm **Casual Night | Kingscliff Bowling Club**

CLINICAL MYCOLOGY II

SESSION 9 | Emerging, Intriguing, and Potentially Zoonotic Infections (not to be missed!)

Session Chairs and Presenters: *Richard Malik and Mark Krockenberger*

- 9.00am – 10.30am
- Novel infections and disease scenarios
 - Cytology and serology quiz from the annals of veterinary pathology

10.30am – 11.00am MORNING BREAK

SESSION 10 | Infection Control and the Environment

Session Chair: *Sharon Chen*

- 11.00am – 12.30pm
- Indoor fungal exposure and disease
Nicky Gilroy
 - Fungal infections and prevention in hospitals - modifying the environment
Brendan McMullan
 - How to investigate and mitigate fungal outbreaks
Celia Cooper

12.30pm – 1.30pm LUNCH BREAK

SESSION 11 | Management of IFIs

Session Chair: *Orla Morrissey*

- 1.30pm – 3.15pm
- Therapeutic drug monitoring
Debbie Marriott
 - Individualised antifungal therapy
Monica Slavin
 - New drugs and repositioning (repurposing?) of old drugs
Sharon Chen

3.15pm – 3.45pm AFTERNOON BREAK

SESSION 12 | The David Ellis Oration

Session Chair: *Sarah Kidd*

3.45pm – 4.30pm *Professor Bart Currie*

4.30pm – 4.45pm **Closing Remarks**

Sarah Kidd

7.00pm – 11.00pm **The ANZMIG Dinner | Salt Bar**