

# Mycology MasterClass VIII

26-28 October 2017

Mantra On Salt Beach - Kingscliff, NSW, Australia



## PRELIMINARY 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 – 9.45am

- 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*

9.45am – 10.30am

- What's in a name? Laboratory and clinical perspectives  
*Sarah Kidd and Orla Morrissey*

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10.30am – 11.00am MORNING BREAK

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**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*
- Antifungal susceptibility testing  
*Sarah Kidd*

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12.30pm – 1.30pm LUNCH BREAK

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**SESSION 4 | New Technologies, Needs and Applications**

**Session Chair:** *Arthur Morris*

1.30pm – 3.30pm

- Fungal WGS and barcoding: Current state of the art and applications  
*Wieland Meyer*
- Bioinformatic pipelines: What can we learn from bacteriology studies?  
*Sebastian van Hal*
- Antifungal resistance: Can genetic technologies help?  
*Catriona Halliday and Sharon Chen*

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3.30pm – 4.00pm AFTERNOON BREAK

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4.00pm – 4.30pm **Interactive 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  
*Speakers TBC*

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 in HSCT and haematological malignancy  
*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**

**Saturday 28 October 2017 | Plantation Room**

**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

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10.30am – 11.00am      MORNING BREAK

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**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*

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12.30pm – 1.30pm      LUNCH BREAK

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**SESSION 11 | Management of IFIs**

**Session Chair:** *Orla Morrissey*

1.30pm – 3.00pm

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

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3.00pm – 3.30pm      AFTERNOON BREAK

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**SESSION 12 | The David Ellis Oration**

**Session Chair:** *Sarah Kidd*

3.30pm – 4.15pm

*Professor Bart Currie*

4.15pm – 4.30pm

**Closing Remarks**

*Sarah Kidd*

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7.00pm – 11.00pm

**The ANZMIG Dinner | Salt Bar**