**Mycology MasterClass VIII**

26-28 October 2017

Mantra On Salt Beach - Kingscliff, NSW, Australia

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**PROGRAM**

**CONVENOR | Sarah Kidd**

**STEERING COMMITTEE**

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<th>Name</th>
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<tr>
<td>Sharon Chen</td>
<td>David Ellis</td>
<td>Richard Malik</td>
<td>Debbie Marriott</td>
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<tr>
<td>Wieland Meyer</td>
<td>Orla Morrissey</td>
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<td>Monica Slavin</td>
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*Mycology Masterclass is organised under the auspices of ANZMIG*

**FACULTY**

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

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| 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

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| 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

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| 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

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<td>3.45pm – 4.30pm</td>
<td>Professor Bart Currie</td>
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<td>4.30pm – 4.45pm</td>
<td>Closing Remarks</td>
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  Sarah Kidd |
| 7.00pm – 11.00pm | The ANZMIG Dinner  
  | Salt Bar                                                                  |