



Workshop: Algorithm-based diagnosis of fungal infections in clinical practice

Tuesday, May 20, 2025

Bourbon Cataratas Convention Center, Iguaçu Falls, Brazil

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Target Audience

This interactive postgraduate workshop is intended for anyone who want to improve their knowledge and understanding in the area of Fungal Diagnostics, including:

- **Physicians and trainees in infectious disease, critical care, transplantation, haemato-oncology, dermatology, pediatrics, and other clinical specialties dealing with fungal infections**
- **Clinical microbiology laboratory directors/consultants**
- **Clinical microbiology fellows**
- **Clinical laboratory scientists (diagnostic microbiology/mycology)**
- **PhD students and Postdoctoral researchers**
- **Scientists from infectious disease in vitro diagnostics (IVD) industry or pharmaceutical companies**

Workshop objectives:

To provide a comprehensive, and detail-oriented primer or refresher on the currently available approaches, challenges and solutions in diagnosis of fungal infections in different clinical settings. The antifungal susceptibility and resistance testing will be also discussed. In addition, we will provide scientific evidence on importance of fungal disease laboratory screening and infection prevention.

Workshop Directors

- **Amir Seyedmousavi**. PhD, D(ABMM), F(ECMM) - NIH, Bethesda, USA
- **Darius Armstrong-James**, MD, PhD, F(ECMM) - Imperial College, London, UK

Program
May 20, 2025

7:30 Arrival and Registration

7:45 Opening of the course, welcome, introduction | **Amir Seyedmousavi & Darius Armstrong-James**

Session 1. Chair: Masoud Mardani, Flavio De Queiroz Telles Filho

8:00 Lecture 1. | Fungal diseases (incl. *Microsporidia* and *Pneumocystis*) in normal and abnormal hosts and underlying risk factors
Ilan Schwartz (USA)

8:20 Lecture 2 | Fungal nomenclature, emerging fungal pathogens
Amir Seyedmousavi (USA)

8:40 Lecture 3 | Early diagnosis of *Aspergillus* and rare mold infections (*Fusarium*, *Scedosporium*)
Mohammad Hedayati (Iran)

9:00 Lecture 4 | Diagnosis of *Candida* and rare yeast infections
Maiken Arendrup (Denmark)

9:20 Lecture 5 | Routine mycology laboratory workups (Yeast vs. Molds, Diagnostics vs. Surveillance)
Hein van der Lee (Netherlands)

9:40 Q &A

9:55-10:10 Comfort Break

Session 2. Chairs: Mohammad Hedayati, Nicolas Barros

10:10 Lecture 6. | Diagnosis of *Mucorales* and melanized fungi
Shivaprakash Rudramurthy (India)

10:30 Lecture 7 | Diagnosis of cryptococcosis and pneumocystosis
Amir Seyedmousavi (USA)

10:50 Lecture 8 | Diagnosis of Coccidioidomycoses and endemic dimorphs
Nicolas Barros (USA)

11:10 Lecture 9 | Antifungals in clinical practice and importance of resistance detection
Masoud Mardani (Iran)

11:30 Lecture 10 | Point of care diagnostic assays
Darius Armstrong-James (UK)

11:50 Q & A

Session 3. Chairs: Amir Seyedmousavi (USA) & Darius Armstrong-James (UK)
- 12:00-12:30: General Assembly Meeting of Fungal Diagnostics Working Group and Selection of Board Members for 2025-2028

Location

Bourbon Cataratas Convention Center, Iguazu Falls-Brazil

Timing

Date: Tuesday, 20th May

Time: 08:00 AM– 12:30 PM

Workshop language

The workshop language will be English.

Registration

Please register at ISHAM2025 website: '<https://www.isham2025.org/registration/>'

--> Pre-congress Course ISHAM2025 --> Workshop: Algorithm-based diagnosis of fungal infections in clinical practice.