Target Audience
Up to 50 clinical microbiologists, infectious disease physicians and laboratory scientists.

Faculty Members
Ana Alastruey-Izquierdo, Madrid, Spain
Maiken Cavling Arendrup, Copenhagen, Denmark
Rama Chaudhry, New Delhi, India
Anuradha Chowdhary, Delhi, India
Oliver A. Cornel, Cologne, Germany
Mahmoud A. Ghanem, Cleveland, OH, United States
Lata Kapoor, Delhi, India
Markus Kostrewa, Bremen, Germany
Anil Kumar, Kochi, India
Katrien Lagrou, Leuven, Belgium
Cornelia Lass-Flohr, Innsbruck, Austria
Purva Mathur, Delhi, India
Jacques F Meis, Nijmegen, Netherlands
Brijesh Sharma, New Delhi, India
Immaculata Xess, New Delhi, India
Yanan Zhao, Newark, NJ, United States

Course Objectives
The course will consist of three days, of which two days are dedicated to hands-on training of antifungal susceptibility testing, screening ofazole resistance in Aspergillus, detection of underlying resistance mechanisms of azole- and echinocandin-resistant Aspergillus, Candida auris and Candida glabrata. Focus will be on Candida infections in ICU settings in India, Asia and Europe, interpretation and challenges of AFST in microbiology laboratories in Europe and India. Echinocandin resistance and detection of resistance mechanisms in C. glabrata and the new problem yeast Candida auris. MALDI-TOF applications of antifungal susceptibility testing in Candida will be discussed and demonstrated. Finally,azole resistance in Aspergillus and use of epidemiological cut-off values and resistance in rare and cryptic Aspergillus species will be demonstrated. At the end of the course the participants have learnt the theoretical and practical aspects of antifungal resistance in Aspergillus and Candida. In addition, they will have had ample time to interact with the renowned international faculty in the field.
Wednesday, 19 September 2018
08:00 Registration
08:30 Welcome.
Anuradha Chowdhary
09:00 Introduction to the course.
Jacques F. Meis

Session 1
Chairs: Mahmoud A. Ghannoum, Lata Kapoor
09:15 Candida infections in ICU settings: scenario in India and Asia.
Purva Mathur
09:45 Antifungal susceptibility testing of Candida: interpretation and challenges in microbiology laboratories.
Maiken Cavling Arendrup
Jacques F. Meis
10:45 Coffee/tea break

Session 2
Chairs: Jacques F. Meis, Immaculata Xess
11:00 Echinocandin resistance and detection of resistance mechanisms in C. glabrata: is routine surveillance required in clinical laboratories?
Yanan Zhao
11:30 MDR Candida auris: a new kid on the block.
Anuradha Chowdhary
12:00 How I treat patients with suspected invasive fungal infections.
Brijesh Sharma
12:30 Lunch

Thursday, 20 September 2018
Workshops
Supervision: Maiken Cavling Arendrup, Anuradha Chowdhary
09:00 Antifungal susceptibility testing of Candida: CLSI and EUCAST
12:00 Lunch break
14:00 Screening ofazole resistance with drug containing media
Anuradha Chowdhary
14:30 Antifungal susceptibility testing of Aspergillus species: CLSI
Anuradha Chowdhary
15:00 End of the day

Friday, 21 September 2018
Workshops
Supervision: Anuradha Chowdhary, Yanan Zhao
09:00 Cyp51A sequencing in azole-resistant Aspergillus fumigatus
Yanan Zhao
12:00 Lunch break
14:00 FKS and ERG11 sequencing of C. glabrata and C. auris
Anuradha Chowdhary
17:00 End of the day