



## Pre Conference CME cum Workshop

**Objective of the workshop:** To enhance participants' knowledge of the latest developments in fungal diagnostics. The workshop will focus on various topics, including molecular identification of fungi, rapid DNA extraction from yeast and mold, PCR and Sanger sequencing, Blast and IshamITS database analysis, and fungal PCR from clinical samples. Participants, consisting of postgraduate MD students and young faculty members in microbiology, will also receive hands-on training in therapeutic drug monitoring of antifungal drugs using bioassay and HPLC.

**Current relevance of the Topic:** The workshop equips participants with the latest techniques and hands-on training, enabling them to stay at the forefront of medical mycology and contribute to better healthcare outcomes.

**What will you gain from attending the workshop?** By attending the workshop, participants will gain updated knowledge on cutting-edge fungal diagnostic techniques, empowering them to make more accurate and timely diagnoses, improve patient care, and contribute to advancements in medical mycology.

**Who is the target population?** Post graduate MD students (JR/SR), young faculty members in microbiology. Short description of expertise of key resource person: Dr. Vinay Hallur, Additional Professor, Department of Microbiology, AIIMS, Bhubaneswar, Orissa

## Detailed Agenda



Timings	Title	Type	Faculty
8:00 am – 9:15 am Registration and Inauguration	<b>Registration</b>		
	<b>Inauguration</b>		
	<b>Welcome</b>		
	<b>Introduction to the course</b>		
9:15 am – 9:45 am	Molecular Identification of fungi from culture	Lecture	Dr. Diptanu Paul, Assistant Prof. AIIMS Bhubaneswar
9:45 am – 10:45 am	Rapid DNA extraction from Yeast & mold	Demo / Hands on	Dr Vinay, Dr Diptanu
10:45 am – 11:00 am	<b>TEA BREAK</b>		
11:00 am – 11:30 am	PCR Sanger Sequencing	Lecture	Dr. Vinay Kumar Hallur
11:30 am – 12:30 pm	Blast & Isham ITS database analysis	Hands on	Dr. Vinay Kumar Hallur
12:30 pm – 1:30 pm	Fungal PCR from Clinical samples	Lecture	Dr. Diptanu Paul
1:30 pm – 2:00 pm	<b>LUNCH BREAK</b>		
2:00 pm – 2:45 pm	Fungal PCR from Clinical samples	Hands on / Demo	Dr. Vinay, Dr. Diptanu
2:45 pm – 3:15 pm	Therapeutic drug monitoring of antifungal drug by Bioassay	Hands on / Demo	Dr. Hansraj, Mr. Vivek Kumar
3:15 pm – 5:30 pm	Therapeutic drug monitoring of antifungal drug by HPLC	Hands on / Demo	Dr. Hansraj, Dr. Prashant Gupta, Mr. Nishant Gupta