



UP-UK MICROCON 2026

21st Annual Conference of UP-UK

Chapter of Indian Association of Medical Microbiologists

Theme - Advances in Clinical Microbiology: Shaping Patient Care

Pre - Conference Workshop

Workshop No.01: Advanced fungal diagnostics; Molecular and Biomarker Diagnostics for Invasive fungal Infections & rare emerging opportunistic fungal pathogens

Organising Department: Department of Microbiology, SGPGIMS, Lucknow

Course Coordinator: Dr. Rungmei S K Marak, Dr. Tasneem Siddiqui

Resource persons: Dr. Rungmei S K Marak, Dr. Ragini Tilak, Dr. Anupama Jyoti Kindo, Dr. Tasneem Siddiqui, Dr. Deepika Tyagi, Dr. Kanchan

Target Participants: MD Microbiology Residents, Critical Care Residents (MD/DM, fellows), M.Sc. Microbiology, Ph.D. Students, Faculty members

Maximum number of participants: 20

Duration: One Day

Date: 06.02.2026

Venue: Mycology Laboratory, II Floor, New Diagnostic Block, Department of Microbiology, SGPGIMS, Lucknow

Workshop Overview & Key Highlights

- i. Demonstration of laboratory methods for identification of rare emerging opportunistic fungal pathogens in immunocompromised patients.
- ii. Practical demonstrations and hands-on training on MALDI TOF MS: Yeast and Mould identification
- iii. Practical demonstrations and hands-on training on fungal biomarkers: Beta D Glucan and Galactomannan assay.
- iv. Practical demonstrations and hands-on training on Real Time PCRs for *Aspergillus*, Mucorales and *Pneumocystis jirovecii* with DHPS mutation

Agenda: Advanced fungal diagnostics; Molecular and Biomarker Diagnostics for Invasive fungal Infections & rare emerging opportunistic fungal pathogens

Timing		Topic	Resource Faculty
08:00 AM - 08:45 AM	Registration		
08:45 AM - 09:00 AM	Registration & Pre-test		
09:00 AM - 09:10 AM	Inaugural remarks		Dr. Rungmei S K Marak, Organizing Chairperson
09:10 AM - 09:30 AM		Identification of Molds	Dr. Anupma Jyoti Kindo
09:30 AM - 09:50 AM		Identification of Yeasts	Dr. Rungmei S K Marak
10:00 AM - 10 20 AM	Tea Break		
10:20 AM - 10:40 AM		MALDI TOF MS	Dr. Deepika Tyagi
10:40 AM - 11:10 AM		Real Time PCRs for fungi	Dr. Tasneem Siddiqui
10:40 AM - 11:10 AM		Fungal biomarkers	Dr. Ragini Tilak
11:10 AM - 01:30 PM		Hands-on Practical Session I (2 Batches)	Dr. Tasneem Siddiqui
01:30 PM - 02:00 PM	Lunch Break		
02:00 PM - 03:30 PM		Hands-on Practical Session II (2 Batches)	Dr. Rungmei S K Marak
03:30 PM - 03:45 PM	Tea Break		
03:45 PM - 04:15 PM		Hands-on Practical Session III (2 Batches)	Dr. Deepika Tyagi
			Dr. Kanchan
04:15 PM - 04:30 PM	Post-test & Feedback		
04:30 PM - 05:00 PM	Valedictory & Certificate distribution		