



## UP-UK MICROCON 2026

### 21<sup>st</sup> 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.2 : **Advanced Tuberculosis Diagnostics & Best Laboratory Practices for Risk Group 3 Organisms**

**Organised by Division of Mycobacteriology, Department of Microbiology, SGPGIMS, Lucknow**

**Course Coordinator:** Dr. Richa Mishra, Dr. Praveen Kumar Pachouri

**Resource Faculty:** Dr. Alok Nath, Dr. Zafar Neyaz, Dr. Vimal Kumar Paliwal, Dr. Sameer Mohindra, Dr. Akshay Kumar Arya, Dr. Vikramjeet Singh

**BSL-3 Lab Team:** Dr. Sreya Deb, Mr. D.K Singh, Mr. Subhash, Ms. Anjali Yadav, Ms. Manu

**Target Participants:** Microbiologists, ID Consultants, Pulmonologists, Clinicians, Technologists, Healthcare providers

**Maximum number of participants:** 20

**Duration:** One Day

**Date:** 06.02.2026

**Venue:** Biosafety Level 3 Tuberculosis Laboratory, II Floor, New Diagnostic Block, Department of Microbiology, SGPGIMS, Lucknow

#### **Learning objectives:**

- Basic principles of Infection Prevention & Control for working in a Biosafety Level 3 tuberculosis facility
- Learn important definitions related to diagnosis and management of tuberculosis
- Recognize fundamental concepts of pulmonary and extrapulmonary tuberculosis
- Practical demonstrations of
  - Cultures (In-house LJ media preparation and colony morphology)
  - CBNAAT assay (both Xpert MTB/ RIF Ultra assay and XDR test)
  - Line probe assay for both MTBC and Non-tubercular Mycobacteria
  - MGIT culture and DST

## Agenda : Advanced Tuberculosis Diagnostics & Best Laboratory Practices for Risk Group 3 Organisms

Timing		Topic	Resource Faculty
9:00 AM - 9:20AM	Registration		
9:20 AM – 9:30 AM	Pre-Test		
9:30 AM – 9:40 AM		Introduction to the workshop	<b>Dr. Vikramjeet Singh</b>
9:40 AM – 10:00 AM		Best IPC practices for BSL 3 facility	<b>Dr. Praveen Kumar Pachouri</b>
10:00 AM – 10:20 AM		Pulmonary tuberculosis: clinico-radiological perspective and treatment update	<b>Dr. Alok Nath</b>
10:20 AM – 10:40 AM		Radiological diagnosis and differentials of extrapulmonary tuberculosis	<b>Dr. Zafar Neyaz</b>
10:40 AM - 11:00 AM		Challenges in tubercular meningitis	<b>Dr. Vimal Kumar Paliwal</b>
11:00 AM – 11:20AM		Abdominal tuberculosis: tip of the iceberg	<b>Dr. Sameer Mohindra</b>
11:20 AM – 11:30 AM		<b>Tea Break</b>	
11:30 AM – 12:00 PM		Non-tuberculous Mycobacterial Infections: The Neglected Threat.	<b>Dr. Richa Mishra</b>
12:00 PM – 01:30 PM	Practical demonstrations in State-of-the-art BSL3 tuberculosis facility	<b>Batch A</b> <ul style="list-style-type: none"> <li>• IPC Protocols in BSL3 facility</li> <li>• MGIT Culture and DST</li> </ul> <b>Batch B</b> <ul style="list-style-type: none"> <li>• Demonstration of CBNAAT assay- Ultra and XDR tests</li> <li>• Line probe assay for MTBC &amp; NTM</li> </ul>	<b>Dr. Richa Mishra</b>  <b>Dr. Praveen Kumar Pachouri</b>  <b>Dr Akshay Kumar Arya &amp; BSL-3 Lab Team</b>
01:30 PM – 02:00 PM		<b>Lunch</b>	
02:00 PM – 03:30 PM	Practical demonstrations in State-of-the-art BSL3 tuberculosis facility	<b>Batch B</b> <ul style="list-style-type: none"> <li>• IPC Protocols in BSL3 facility</li> <li>• MGIT Culture and DST</li> </ul> <b>Batch A</b> <ul style="list-style-type: none"> <li>• Demonstration of CBNAAT assay- Ultra and XDR tests</li> <li>• Line probe assay for MTBC &amp; NTM</li> </ul>	<b>Dr. Richa Mishra</b>  <b>Dr. Praveen Kumar Pachouri</b>  <b>Dr Vikramjeet Singh &amp; BSL-3 Lab Team</b>
03:30 PM – 04:00 PM		<b>Networking, Discussion and Troubleshooting</b>	
		<b>Round of Container BSL3 Lab</b>	
04:00 PM – 04:10 PM		<b>Post Test</b>	
04:00 PM – 04:30 PM		<b>Valedictory Function followed By High Tea</b>	