



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. 3: Diagnostic Bacteriology: Optimizing advanced laboratory methods for early diagnosis and management of sepsis

Date: 6th February 2025

Venue: Department of Microbiology, SGPGIMS, Lucknow

Maximum number of participants: 20

Workshop Overview

Bacteriology section of the Department of Microbiology of Sanjay Gandhi Postgraduate Institute of Medical Sciences (SGPGIMS), Lucknow is organizing a dedicated Pre-Conference Hands-on Workshop on “Optimizing advanced laboratory methods for early diagnosis and management of sepsis as part of UP-UK MICROCON 2026.” This workshop aims to train students for optimizing conventional as well as advanced automated laboratory techniques for rapid diagnosis and optimum antibiotic reporting for sepsis.

Target Audience

This workshop is specifically designed for:

MD Microbiology faculty and Residents

Infectious Diseases faculty and residents (MD/DM/Fellows)

M.Sc. Microbiology students & Ph.D. Students

Key Highlights

1. Identification of bacterial isolates by Vitek using positive blood broth
2. Identification of bacterial isolates by MALDI TOF MS from positive blood broth
3. Rapid carbapenemase detection by tube and ICT method
4. Broth microdilution of latest antibiotics by automated MIC method
5. Procedure and interpretation of antibiotic susceptibility testing directly from positive blood broth

Course Coordinator: Dr Chinmoy Sahu, Professor, Microbiology, SGPGIMS, Lucknow.

Resource persons: 1. Prof Pradyot Praksh, Professor (Microbiology), IMS, BHU.

2. Dr. Sangram Singh Patel, Additional Professor (Microbiology), SGPGIMS, Lucknow.

3. Dr. Nidhi Tejan, Assistant Professor (Microbiology), SGPGIMS, Lucknow.

4. Dr. Akshay Arya, Assistant Professor (Microbiology), SGPGIMS, Lucknow.

5. Dr. Vikramjeet Singh, Assistant Professor (Microbiology), SGPGIMS, Lucknow.

6. Dr. Diksha Shukla, Senior Resident (Microbiology), SGPGIMS, Lucknow.

7. Dr. Ashutosh Pathak, Senior Research Fellow (Microbiology), SGPGIMS, Lucknow.

8. Ms. Nida, PhD student (Microbiology), SGPGIMS, Lucknow.

9. Mr. Tanuj Yadav, Laboratory Technician (Microbiology), SGPGIMS, Lucknow.

Agenda: Diagnostic Bacteriology: Optimizing advanced laboratory methods for early diagnosis and management of sepsis

Time	Topic	Resource Person
09:00 AM - 09:30 AM	Registration	
09:30 AM - 09:40 AM	Overview of workshop	Prof. Chinmoy Sahu
09:40 AM - 10:15 AM	Optimizing laboratory methods for early diagnosis of sepsis	Prof. Pradyot Prakash, IMS, BHU
Hands on session		
10:15 AM - 11:30 AM	Identification of bacterial isolates by Vitek using positive blood broth	Dr. Sangram Singh Patel Dr. Vikramjeet Singh Mr. Tanuj Yadav
11:30 AM - 01:00 PM	Identification of bacterial isolates by MALDI-TOF MS from positive blood broth	Dr. Chinmoy Sahu Dr. Nidhi Tejan Ms. Nida
01:00 PM - 02:00 PM	Lunch	
02:00 PM - 03:00 PM	Broth microdilution of antibiotics by automated MIC method	Dr. Akshay Arya Dr. Diksha Shukla Dr. Ashutosh Pathak Ms. Nida
03:00 PM - 04:00 PM	Procedure and interpretation of antibiotic susceptibility testing directly from positive blood broth	Dr. Chinmoy Sahu Dr. Sangram Singh Patel Dr. Akshay Arya Dr. Nidhi Tejan Ms. Nida
04:00 PM- 04:30 PM	Rapid carbapenemase detection by tube and ICT method	Dr. Vikramjeet Singh Dr. Diksha Shukla Dr. Ashutosh Pathak Mr. Tanuj Yadav
04:30 PM - 05:00 PM	Question-Answer session Valedictory & certificate distribution	Prof. Pradyot Prakash, BHU