



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		



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



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Pre - Conference Workshop

Workshop No. 3: Diagnostic Bacteriology: Optimizing advanced laboratory methods for early diagnosis and management of sepsis

Date: 6th February 2026

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



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Theme - Advances in Clinical Microbiology: Shaping Patient Care

Pre - Conference Workshop

Workshop No.4: Diagnostic virology: Basics to automated systems

Date: 6th February 2026

Venue: Department of Microbiology, SGPGIMS, Lucknow

Maximum number of participants: 20

Workshop Overview

The Department of Microbiology, SGPGIMS, Lucknow is organizing a dedicated hands-on workshop on Diagnostic virology: basics to automated systems as part of UP-UK MICROCON 2026. This workshop aims to exposure to post graduate students, Research scholars, and junior faculty members on classical as well as automated techniques used in Diagnostic virology.

Under the Aegis of IAMM UP-UK Chapter

This academic activity is being conducted **under the aegis of the Indian Association of Medical Microbiologists (IAMM), UP-UK Chapter**, as part of **UP-UK MICROCON 2026**, hosted by **Sanjay Gandhi Postgraduate Institute of Medical Sciences (SGPGI), Lucknow**.

Course Coordinator:

Dr. Atul Garg, Add. Professor, Department of Microbiology, SGPGIMS, Lucknow.

Resource persons:

1. Dr. Deepa Kailash Sharma, NPO (VPD Laboratory Network), WHO Country Office for India
2. Dr. Ankur Goyal, Professor and Head, Department of Microbiology, S N Medical college, Agra.
3. Dr. Dharam Veer Singh, Scientist B, Department of Microbiology, SGPGIMS, Lucknow.

Target Audience: This workshop is specifically designed for: MD Microbiology Residents, Ph. D Research Scholars, and Junior faculty Members

Tentative schedule

Sl. No.	Time	Schedule
1.	09:30 AM - 10:00 AM	Registration & Pre-Test
2.	10:00 AM - 01:00 PM	Cell culture media preparation and maintenance of cell lines Hands on Stool sample processing and cell inoculation for virus isolation, Cell splitting, counting and CPE observation Plaque Assay/ TCID-50
3.	01:00 PM - 02:00 PM	Lunch
4.	02:00 PM - 04:30 PM	Hands on Quantitative & Qualitative RT-PCR Cartridge based syndromic assays
5.	04:30 PM - 04:40 PM	Post Test
6.	04:40 PM - 05:00 PM	Valedictory Function followed by High Tea



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Theme - Advances in Clinical Microbiology: Shaping Patient Care

Pre - Conference Workshop

Workshop No.05: Emerging Technologies and Automation in Serological and Microbial Immunology: Translating Laboratory Efficiency into Clinical Excellence.

Organising Department: Department of Microbiology, SGPGIMS, Lucknow

Course Coordinator: Dr. Rungmei S K Marak, Dr Anju Dinkar, Dr Nidhi Tejan

Resource persons: Dr. Rungmei S K Marak, Dr Anju Dinkar, Dr Nidhi Tejan,

Dr Shampa Anupurba, Dr Jaya Garg, Dr Suruchi Shukla, Dr. Surbhi

Target Participants: MD Microbiology Residents, M.Sc. Microbiology, Ph.D. Students, Faculty members

Maximum number of participants: 20

Duration: One Day

Date: 06.02.2026

Venue: Seminar room, Department of Microbiology, SGPGIMS, Lucknow

Workshop Overview & Key Highlights

1. QuantiFERON-CMV Assay, a specialised Interferon-Gamma Release Assay (IGRA) to assess CMV-specific cell-mediated immunity, particularly in immunocompromised or transplant patients.
2. CLIA analyzer
3. Detection of IL-6 and IL-10 by Enzyme-Linked Immunosorbent Assay (ELISA)
4. MiniVidas platform for demonstration of new parameters
5. TPHA Testing and Interpretation
6. Brucella and Borrelia ELISA
7. Weil-Felix test for Rickettsial infections

Agenda : Emerging Technologies and Automation in Serological and Microbial Immunology: Translating Laboratory Efficiency into Clinical Excellence.

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	Recent update on HIV infection	Dr. Shampa Anupurba
09:30 AM - 09:50 AM	Role of Biomarkers in clinical infectious diseases	Dr. Jaya Garg
09:50 AM - 10:10 AM	Recent Advances in Immunodiagnosis	Dr. Suruchi Shukla
10:10 AM - 10 30 AM	Tea Break	
10:30 AM - 12:00 Noon	Hands-on Practical Session I (2 Batches)	Automation in Serology: ELFA & CLIA platforms
12:00 Noon - 01:30 PM	Hands-on Practical Session II (2 Batches)	QuantiFERON-CMV Assay, a specialised Interferon-Gamma Release Assay (IGRA) to assess CMV-specific cell-mediated immunity, particularly in immunocompromised or transplant patients
01:30 PM - 02:00 PM	Lunch Break	
02:00 PM - 02:30 PM	Hands-on Practical Session III (2 Batches)	Detection of IL-6 and IL-10 by Enzyme-Linked Immunosorbent Assay (ELISA)
02:30 PM - 03:00 PM	Hands-on Practical Session IV (2 Batches)	TPHA Testing and Interpretation
03:00 PM - 03.30 PM	Tea Break	
03.30 PM - 04.00 PM	Hands-on Practical Session V (2 Batches)	Brucella & Borrelia ELISA Testing and Interpretation
04.00 PM - 04.30 PM	Hands-on Practical Session VI (2 Batches)	Weil-Felix Reaction and Interpretation
04:30 PM - 04:40 PM	Post-test & Feedback	
04:40 PM - 05:00 PM	Valedictory & Certificate distribution	



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Theme - **Advances in Clinical Microbiology: Shaping Patient Care**

Pre - Conference Workshop

Workshop No.06 : Conventional to Automation in diagnosis of Parasites

Course Chairperson: Prof. Rungmei S K Marak

Course Coordinator: Dr. Awadhesh Kumar

CONVENTIONAL METHODS

1. Microscopy

- Routine microscopy: Wet mount (Normal Saline and Iodine mount)
- Special stains: modified acid-fast stain, modified trichrome stain, Giemsa stain

2. Stool culture for Entero-pathogens

3. **Serology:** ELISA for detection of IgG *Entamoeba histolytica* and *Echinococcus granulosus*

AUTOMATION METHODS

- Automation in Parasitology:** AI based microscopy (AGAPE F-60)
- Molecular:** Multiplex PCR for identification of GI pathogens (Syndromic panels)

Resource Persons

External Faculty

Dr. Rakesh Singh, Professor, Deptt of Microbiology, JIPMER, Puducherry

Dr. Areena Hoda Siddiqui, Professor, Deptt of Microbiology, Autonomous Medical College, Amethi

Internal Faculty

Dr. Nidhi Tejan, Assistant Professor, Deptt of Microbiology, SGPGIMS

Agenda : Conventional to Automation in diagnosis of Parasites

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	Conventional Parasitological Diagnosis: Scope & Limitations	Dr. Rakesh Singh
09:30 AM - 09:50 AM	Automation in Parasitology: AI-based platforms and multiplex PCR	Dr. Areena Hoda Siddiqui
10:00 AM - 10:20 AM	Tea Break	
10:20 AM - 10:40 AM	Staining methods in diagnosis of parasites	Dr. Awadhesh Kumar
10:40 AM - 11:10 AM	Diagnosis of <i>Clostridioides difficile</i> toxin	Dr. Nidhi Tejan
10:40 AM - 11:10 AM	Serological methods in diagnosis of parasitic infection	Dr. Diksha Shukla
11:10 AM - 01:30 PM	Hands-on Practical Session I (2 Batches)	Dr. Awadhesh Kumar
01:30 PM - 02:00 PM	Lunch Break	
02:00 PM - 03:30 PM	Hands-on Practical Session II (2 Batches)	Dr. Nidhi Tejan
03:30 PM - 03:45 PM	Tea Break	
03:45 PM - 04:15 PM	Hands-on Practical Session III (2 Batches)	Dr. Diksha Shukla
04:15 PM - 04:30 PM	Post-test & Feedback	
04:30 PM - 05:00 PM	Valedictory & Certificate distribution	



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Pre - Conference Workshop

Workshop No. 07: CLABSI BUNDLE CARE & VENTILATOR-ASSOCIATED EVENTS (VAE) BUNDLE CARE

Date: 6th February 2026

Venue: Department of Microbiology, RMLIMS, Lucknow

Maximum participants: 20

Under the Aegis of IAMM UP-UK Chapter

THEME: Towards Zero CLABSI & VAE: Transforming Patient Care Through Bundles

Workshop Overview

The Department of Microbiology, Dr. Ram Manohar Lohia Institute of Medical Sciences (RMLIMS), Lucknow is organizing a dedicated hands-on workshop on **CLABSI (Central Line-Associated Bloodstream Infection) Bundle Care** and **VAE (Ventilator-Associated Events) Bundle Care** as part of **UP-UK MICROCON 2026**. This workshop aims to strengthen evidence-based infection prevention practices in critical care settings, with special emphasis on surveillance, device care, bundle implementation, monitoring, and quality improvement.

Under the Aegis of IAMM UP-UK Chapter

This academic activity is being conducted **under the aegis of the Indian Association of Medical Microbiologists (IAMM), UP-UK Chapter**, as part of **UP-UK MICROCON 2026**, hosted by **Sanjay Gandhi Postgraduate Institute of Medical Sciences (SGPGI), Lucknow**.

Target Audience: This workshop is specifically designed for:

- **MD Microbiology Residents**
- **Critical Care Residents (MD/DM/Fellows)**
- **Infection Prevention & Control (IPC) Team Members**

Key Highlights

- Principles and components of CLABSI and VAE bundles
- Practical demonstrations and hands-on training
- Device insertion & maintenance safety protocols
- Surveillance definitions (CDC/NHSN based) and case studies
- Audit tools, monitoring checklists & performance indicators
- Root-cause analysis and prevention strategies for outbreaks
- Multidisciplinary implementation approaches in ICUs

Chairperson: Dr. Jyotsna Agarwal

Organising Secretary: Dr. Manodeep Sen

Co-organizing Secretary: Prof. Fatima Khan

Scientific Advisor: Prof. Anupam Das

Resource person: Dr SS Nath, Dr. Rimjhim, Dr. Mohd. Saquib, Dr. Anuragini, Dr. Akanksha Gupta, Dr Shiva Verma

Agenda : CLABSI & VAE Bundle Care: From Bench to Bedside

Time	Session / Topic	Resource Faculty
08:00 – 09:00	Registration	—
09:00 – 09:15	Pre-Workshop Assessment	Dr. Akanksha Gupta, Dr. Shiva Verma
09:15 – 09:25	Welcome & Workshop Overview	Dr. Jyotsna Agarwal
09:25 – 09:40	Device-Associated Infections: Clinical Impact & Real-World Data	Dr. Jyotsna Agarwal
09:40 – 09:55	Evidence-Based Care Bundles: From Guidelines to Bedside	Dr. Manodeep Sen
09:55 – 10:15	CLABSI: Principles & Components	Prof. Fatima Khan
10:15 – 10:55	CLABSI Insertion & Maintenance Demonstration	Dr. S. S. Nath, Dr. Anupam Das, Prof. Fatima Khan, Dr. Mohd. Saquib, Dr. Shiva Verma, Dr. Anuragini
10:55 – 11:15	CLABSI Surveillance (CDC/NHSN)	Dr. Mohd. Saquib
11:15 – 11:35	Group Activity: Spot the Error	Prof. Fatima Khan, Dr. Shiva Verma
11:35 – 11:55	Inauguration & Hi-Tea	Chair & Co-Chairs
11:55 – 12:15	VAE/VAP Principles & Bundle Components	Dr. S. S. Nath
12:15 – 12:55	VAE Maintenance – Practical Session	Dr. S. S. Nath, Dr. Manodeep Sen, Dr. Rimjhim, Dr. Akanksha
12:55 – 13:15	VAE Surveillance (CDC/NHSN)	Dr. Rimjhim
13:15 – 13:35	Group Activity: Build-the-Bundle Challenge	Dr. Anuragini, Dr. Shiva Verma, Dr. Akanksha
13:35 – 14:00	Audits, Checklists & Root-Cause Analysis	Faculty Team
14:00 – 14:15	Post-Workshop Assessment	Dr. Akanksha Gupta, Dr. Shiva Verma
14:15 onwards	Valedictory & High-Tea	Organising Team



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Pre - Conference Workshop

Workshop No.08: MICRO-ED NEXT: *Future-Ready Teaching through SDL and Gamification*

Organizing Department: Department of Microbiology, King George's Medical University, Lucknow

Course Directors: Prof. Vimala Venkatesh, Dr. Parul Jain

Target Participants: Faculty members, Senior Residents and Junior Residents

Maximum number of participants: 30

Duration: One Day

Date: 06.02.2026

Venue: Room no 309, Kalam center, KGMU, Lucknow

Learning Objectives of the workshop:

At the end of this workshop, the participants will be able to:

1. Explain the principles and importance of Self-Directed Learning (SDL) in Competency-Based Medical Education.
2. Identify suitable topics in Microbiology for implementing SDL and gamification.
3. Design a structured SDL module including learning objectives, activities and assessment.
4. Describe the concept and educational value of gamification in medical education.
5. Develop simple gamified teaching-learning resources for Microbiology topics.
6. Integrate SDL and gamification strategies into the undergraduate and postgraduate Microbiology curriculum.
7. Apply appropriate assessment and feedback methods for SDL and gamified learning.

Agenda : MICRO-ED NEXT: *Future-Ready Teaching through SDL and Gamification*

Timing	Topic	Teaching-Learning Method	Resource Faculty
09:00 AM - 09:30 AM	Registration & Pre-test		
09:30 AM - 10:00 AM	Inaugural session		
10:00 AM - 11:00 AM	Foundations of Self-Directed Learning (SDL) in Medical Education	Interactive lecture	Prof. R. K. Dixit
11:00 AM - 11:15 AM	Tea Break		
11:15 AM - 01:00 PM	Designing SDL Modules in Microbiology	Group work & discussion	Dr. Suyog Sindhu Dr. Parul Jain
01:00 PM - 01:30 PM	Introduction to Gamification in Medical Education	Demonstration & interaction	Prof. Vimala Venkatesh
01:30 PM - 02:00 PM	Lunch Break		
02:00 PM - 03:30 PM	Gamification Strategies in Microbiology	Hands-on workshop	Dr. Parul Jain Dr. Suyog Sindhu
03:30 PM - 03:45 PM	Tea break		
03:45 PM - 04:15 PM	Integrating SDL & Gamification in CBME	Panel discussion	Prof Vimala Venkatesh Prof RK Dixit Prof Jyoti Chopra Prof Sarika Gupta
04:15 PM - 04:30 PM	Post-test & Feedback		
04:30 PM - 05:00 PM	Valedictory		