



AMU CON 2025

7th ANNUAL NATIONAL MULTIDISCIPLINARY CONFERENCE OF ASSOCIATION FOR MEDICAL UPDATES

Theme : One Health-Integrative Health Innovations

PRE CONFERENCE
WORKSHOPS

18 DEC.
2025

RMLIMS
LUCKNOW, U.P.

19 | 20 DEC.
2025

Conference Venue :

**RAMADA BY WYNDHAM LUCKNOW HOTEL & CONVENTION CENTRE
LUCKNOW, UTTAR PRADESH**



Organized by : Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow, Uttar Pradesh

Contact : 9005435789, 8607184136 | E-mail : amucon2025@gmail.com | Website : www.amuindia.org



The Dr. Ram Manohar Lohia Institute of Medical Sciences (RMLIMS), Lucknow, Uttar Pradesh, is a premier super specialty autonomous medical teaching institute established in 2006. Dr. RMLIMS provides cutting-edge clinical services across a wide spectrum of disciplines, including Biochemistry, Oncology, Cardiology, Gastroenterology, Nephrology, and Neurosurgery etc. As an academic institution with State University status, the Institute is committed to excellence in medical education and research, offering a full range of degrees, including MBBS, MD, MS, DM, MCh, and Ph.D. programs, and houses advanced facilities like the State Referral Centre for Laboratory Investigations (SRCLI), establishing itself as a vital center for clinical care, education, and medical innovation in Central Uttar Pradesh.



Association for Medical Updates” (AMU), which is one of most revered associations amongst medical colleges, private practitioners, hospitals and diagnostic laboratories is working with an aim of spreading information and awareness regarding advancements in therapeutics and diagnostics via conducting various educational and scientific programs throughout the country.



INVITATION

It gives us great pleasure to invite you to the **7th Annual National Multidisciplinary Conference, AMUCON 2025**, organized by the **Association for Medical Updates**. This year, we gather under the theme **“One Health, Integrative Health Innovations,”** a theme that reflects not just a scientific movement, but a shared vision for healthier communities, stronger systems, and a more connected world.

Healthcare today is evolving faster than ever, and AMUCON 2025 is our way of coming together for clinicians, researchers, educators, students, and industry partners, to learn from one another and to shape this evolution thoughtfully. We hope this conference becomes a space where ideas flow freely, collaborations begin, and new perspectives emerge.

Over the course of the event, we will explore how diagnostic and clinical advancements, technological innovations, and multidisciplinary teamwork can meaningfully improve lives. Our sessions are designed to encourage conversation, curiosity, and collective problem-solving.

More than anything, AMUCON 2025 is an opportunity for all of us to reconnect—with our peers, with our purpose, and with the inspiring spirit of medical progress.

We warmly welcome you to be part of this journey. Your presence will enrich the discussions, strengthen the network we are building, and make this year's conference truly special.

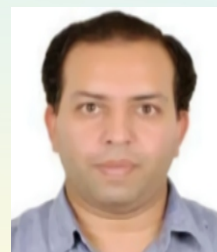
We look forward to hosting you at AMUCON 2025 and sharing an enriching, memorable experience together.



Prof. (Dr.) CM Singh
Director, Dr. RMLIMS



Prof. (Dr.) Pradyumn Singh
Dean, Dr. RMLIMS



Prof. (Dr.) Vikram Singh
CMS, Dr. RMLIMS



Dr. Manish Kumar Singh
Organising Chairman



Dr Manish Raj Kulshrestha
Organising Secretary



Dr Balveer S. Gurjar
President, AMUCON - 2025



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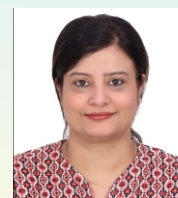
National Coordinator-AMU
Dr. Harish Agarwal



National Coordinator-AMU
Dr. Jamil Mohammad



National Coordinator-AMU
Dr. Mohit Sahni



EC Member-AMU
Dr. Manjinder Kaur



EC Member-AMU
Dr. Manu Sharma



EC Member-AMU
Dr. Ankit Agarwal



EC Member-AMU
Dr. Ramesh Purohit



EC Member-AMU
Dr. Savita Choudhary



EC Member-AMU
Dr. Nalini Sharma



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Dr. Bhamini Jakhetiya



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EC Member-AMU
Dr. Medha Mathur



EC Member-AMU
Dr. Charusmita Agrawal



EC Member-AMU
Dr. Parul Chaturvedi

ORGANIZING COMMITTEES AMUCON 2025

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Dr. Manish Singh

Organizing Secretary

Dr. Manish Raj Kulshrestha

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Dr Reena Rani

Dr Ashlesha

Scientific Co-ordination Scientific Affairs

Dr Vandana Tiwari

Dr. Anoop Shrivastava

Dr Reena Rani

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Dr Astha Sachan

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Dr Jasmeen Gupta

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Dr Divya Sharma

Dr Astha Sachan

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Dr Vandana Tiwari

Dr. Raghvendra Linghaiya

International Affairs

Dr Divya Sharma

Academic coordinators

Dr Sanjeet Singh

Dr Sunil Singh

Dr Hemant Agrawal

Dr Manish Verma

Dr Navbeer Pasricha

Souvenir

Dr Jasmeen Gupta

Delegate Coordination Committee

Dr Astha Sachan

Dr Snigdha Singh

Tours Coordination Committee

Dr. Mimoh Sharma

Dr. Vibhav Nigam

Travel Coordination Committee

Dr Amit Kumar

Student Affairs Committee

Dr Snigdha Singh

Dr Astha Sachan

CONFERENCE SPEAKERS



Dr. Pratibha Gavel
Professor & Head,
HBCH &MPMMC,
Varanasi



Dr. Ajay Kumar
Professor,
Biochemistry
CMC Ludhiana



Dr. Archana Singh
Professor,
Biochemistry
AIIMS New Delhi



Dr. Manodeep Sen
Professor,
Microbiology
Dr. RMLIMS, Lucknow



Dr. Nikhil Gupta
Professor,
Medicine
Dr. RMLIMS Lucknow



Dr Hemant K Agarwal
Professor,
Pulmonary Medicine
Dr.RMLIMS, Lucknow



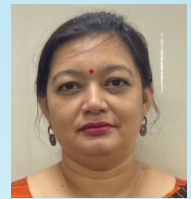
Dr PK Das
Professor & Head
Anaesthesia
Dr.RMLIMS Lucknow



Dr Alok Shrivastava
Professor,
Urology
Dr.RMLIMS, Lucknow



Dr Anshuman Pandey
Professor,
GI Surgery
Dr. RMLIMS Lucknow



Dr Binita Goswami
Professor,
Biochemistry
MAMC, Delhi



Dr Dinesh k Badyal
Professor & Head, VP MEU
Pharmacology
CMC Ludhiana



Dr Arun Harith
Professor,
Biochemistry
Amritha Faridabad



Dr Yashwant Kumar
Professor,
Immunopathology,
PGIMER, Chandigarh



Dr Arun Pande
Director, Endocrinology
Lucknow Endocrine Diabetes
& Thyroid Clinic



Dr. Mayank J. Gupta
Director
Kanpur Chest &
Allergy Centre



Dr Manish Gutch
Director,
Endocrinology
Medanta, Lucknow



Dr Sandip Mukhopadhyay
Scientist E
(Deputy Director)
ICMR - NRBI, Kolkata



Dr. Rakhee Yadav
Additional Professor,
Biochemistry
AIIMS New Delhi



Dr Sunil Singh
Professor (Jr.),
Surgery
Dr. RMLIMS, Lucknow



Dr Namrata Rao
Professor (Jr.),
Nephrology
Dr. RMLIMS, Lucknow



Dr Krishna Kr. Yadav
Professor (Jr.),
Pediatrics
Dr. RMLIMS, Lucknow



Dr Vikas Sharma
Professor (Jr.),
Surgical Oncology
Dr. RMLIMS, Lucknow



Dr Sai Saran
Associate Professor,
Anesthesia
SGPGI, Lucknow



Dr Sanjeet Singh
Professor (Jr.),
Urology
Dr.RMLIMS, Lucknow



Dr. Abdul Qavi
Professor (Jr. Grade),
Neurology
Dr.RMLIMS Lucknow

CONFERENCE SPEAKERS



Dr Shrimanjanath Sankanagoudar

Additional Professor
AIIMS Jodhpur



Dr. Raghendra Linghaiya

Additional Professor,
Pathology
SGPGI Lucknow



Dr. Manish Raj Kulshrestha

Professor Jr. & Head
Department of Biochemistry
Dr. RMLIMS, Lucknow



Dr Arvind Chaudhary

CEO, Cordon Genomics



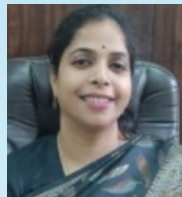
Dr Swarup Shah

Senior Molecular Scientist
Hinduja Hospital Mumbai



Dr Jayeta Bhadra

Associate Professor,
Dept. of Biochemistry
Vallabhbhai Patel Chest
Institute, Delhi



Dr Kamna Singh

Associate Professor &
HOD Biochemistry
SNMC Agra



Dr Laraib Sheikh

Assistant Professor,
Anesthesia
SGPGI Lucknow



Dr Sankalp Jha

Assistant Professor
Physiology,
IMS BHU



Dr Rupita Kulshrestha

Assistant Professor,
Obstetrics & Gynaecology
Dr. RMLIMS, Lucknow



Dr Ankesh Gupta

Assistant Professor,
Infectious Medicine
SGPGI, Lucknow



Dr. Amit Malviya

Assistant Professor,
Dept. of Anaesthesia
AIIMS Bhopal



Dr Vibhav Nigam

Assistant Professor,
Biochemistry
KGMU, Lucknow



Dr Kali Charan Das

Assistant Professor,
Anaesthesia
Incharge Central ICU
AIIMS Raebareli



Dr. Pradeep Jigar

Assistant Professor
CEO, Lab Works Diagnostics
Founder,
Clarirynth Healthcare, Jaipur



Dr Taha

Consultant Allergologist
Govt. JLN Hospital
Srinagar



Dr Somya Shrivastava

Consultant,
Shanya Scans &
Theranostics,
Lucknow



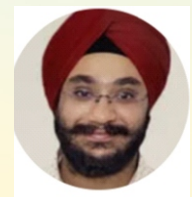
Dr Basabdu Samanta

Safety Physician
IQVIA, Burdwan



Dr Altaf Ahmad Mir

Additional Professor
Biochemistry,
AIIMS, Raebareli



Dr Amarjot Singh

Professor (Jr.)
Department of Surgery
Dr. RMLIMS Lucknow



Dr Suryakant

Professor & Head
Deptt. Of Respiratory Medicine
KGMU, Lucknow



Dr Nida Khan

Consultant Medicine
Integral Institute of Medical
Sciences and Research



Dr Anupam Parashar

Dean (Research), Professor &
Head,
AIIMS, Bilaspur (HP)



Dr. Manish Kumar Singh

Professor (Jr.)
Community Medicine
Dr. RMLIMS, Lucknow



Dr. Piyush Upadhyay

Professor (Jr) & Head
Pediatric Hepatology &
Gastroenterology
Dr. RMLIMS, Lucknow

CONFERENCE SCHEDULE

Day 1: 19th December 2025

8:00-9:00 AM	Breakfast		
	Khorana Hall	Ramachandran Hall	Subbarow Hall
Session-1	Data, Diligence, and Diagnostics: The Lab Trinity	Diabetes care 360 degrees: Technology, Therapy and Teamwork	Medical Education & Reforms
9:00-09:30 AM	Transforming Clinical Judgement Through Real Time Surveillance of Preanalytical Influence	Diabetes Prevention and Lifetime Interventions	Curriculum Updates: UG & PG Courses in India
9:30-10:00 AM	Numbers lie: Be Aware & Beware	The Clinical Face of Monogenic Diabetes: Patterns & Predictors	From Station to Nation: OSCE/OPSE Building Better Doctors
10:00-10:15 AM	Showcase Research: Analytical Crossroads: HbA1c Evaluation by Immunosorbent Assay and HPLC in Non-Dialysis CKD	Showcase Research: Heavy Metals, Heavier Consequences: Association of Arsenic and Nickel with Metabolic Dysfunction in the Indo-Gangetic plain	Showcase Presentation: An unconventional carrier Path: The Road Less Taken
10:15-10:45 AM	Corporate session -1	Corporate session -3	Panel Discussion : Assessment Reforms in Medical Education
10:45-11:00 AM	High Tea		
Session 2	Next generation genetics	Advances in Immunization: Integrating Next Generation Vaccines into Modern Public Health Practice	The Fat Truth: Genes, Growth, and Gut Decisions
11:00-11:30 PM	From illusion to inclusion: NGS in Everyday Medicine	Recent Updates on Animal Bite Management	Childhood Obesity: A Growing Concern
11:30-12:00 PM	Droplets don't lie: The role of ddPCR in precise molecular strike	HPV vaccination: Protecting Women Across Generations	Metabolic Makeover: The New Era of Bariatric Surgery
12:00-12:15 PM	Showcase Research: Exosomes in Alzheimer's Disease: The gateway of neuronal research	Immunization to Intervention: A Unified Management Framework for Hepatitis B	Showcase Research: Insight into Adipose Transcriptomics & Associated Co-morbidities
12:15-12:30 PM	Corporate session -2	Corporate session -4	
Session 3	Exposomics: The Missing Puzzle Piece in Chronic Diseases	Night's Breath, Day's Burden: Sleep Breathing Disorders	Endocrinal Enigma: Surge to Surgery
12:30-1:00 PM	Exposomics: The Unexplored Toxins	Breathing at Night: Pathophysiology and Detection	From Crisis to Control : Evolving Frontiers in Pheochromocytoma Management
1:00-1:30 PM	Mass spectrometry meets exposomics: Mapping the invisible environment	Therapeutic Strategies for OSA: Current Practices and Emerging Approaches	Robotics, Endoscopy & AI: Future of Thyroid Surgery
1:30-1:45 PM	Showcase Research: Toxic Trails: Linking Environment and CKD	Panel Discussion: The Hidden Burden of OSA	Hormonal whispers, Diagnostic Roars: Unveiling the Sinister
1:45 -2:30 PM	Lunch		



CONFERENCE SECHUDULE

Day 1: 19 th December 2025			
Khorana Hall		Ramachandran Hall	Subbarow Hall
Session 4	Monitors, Molecules, Meaning: The Modern ICU Paradigm	From Reactions to Recognition: Hypersensitivity to Self-reactivity	High-Resolution Surgical Dexterity
2:30-3:00 PM	Acid-Base-ics: Cracking the ABG Code in Critical Care	Cracking the Allergy Code: Diagnose right, Manage Bright	Next-level Robotic Surgery: Minimally Invasive Approaches and Enhanced Recovery
3:00-3:30 PM	Precision Oxygen: The Right dose, The Right Device	When Medicine Turn Foe: Unraveling Drug Allergy	Fluroscent Frontiers: Mapping Tumors with ICG
3:30-3:45 PM	Beyond The ECG: Calcium & Magnesium Mechanistics in Shaping Cardiac Resilience in ICU Patients	Smog to Systemic Disease: Health Effects of Air Pollution in India	Groundbreaking Innovation in Renal Transplant Technologies
3:45-4:15 PM	Biochemical Signatures of The Critically Ill: From Diagnosis to Prognosis	Antibody Signatures in Systemic Autoimmunity	
4:15-4:45 PM	ICU Continuous Glucose Monitoring (ICU-CGM)		
6:00-6:30 PM	Corporate Quiz: The Faster, The Winner		
6:30-7:30 PM	Inaugration Ceremony & Cultural Activities		
7:30 PM onwards	Dinner		
	Day 2: 20 th December 2025		
8:00-9:00 AM	Breakfast		
	Khorana Hall	Subbarow Hall	Gopalan Hall
Session-1	Advanced Diagnostic Techniques	When Machines Think Doctors Thrive: AI in action	Faculty Presentations (Oral)
9:30-10:00 AM	Clear Seperations, Clearer Detection: Mass Spectrometry in TDM	Code to Cure: AI transforming the Future of Health	
10:00-10:30 AM	Showcase Presentation: Principles that Power the Lab: People, Process & Performance	AI Research and Ethics- Balancing Innovation with Responsibility	
10:30-11:00 AM	Panel Discussion: Evolving Methodologies in Clinical Laboratories	Leveraging Large Language Models in Academic writing	
11:00-11:30 AM	High Tea		
Session-2	Womb, World & Wellness: Genes, Jabs and Invisible Toxins	Infectious Intelligence: Evolving Battles between Microbes and Medicine	AMU STAR Presentations
11:30-12:00 PM	Markers of Motherhood: Windows to Two Lives	Monocyte subset Dynamics in TB Resistance	
12:00-12:30 PM	Decoding the Fetal Genome: Advances in Prenatal Screening	Newer Drugs, Shorter Regime in MDR TB Management	
12:30- 12.45 PM	Showcase Research: Tiny particles, Big Consequences: Microplastics and Reproductive Health	Showcase Presentation: Racing Against Time: Advance Investigations for Detecting Bacterial Sepsis	
12.45- 1:00 PM		Decoding The Mycotic Mystry: Emerging Tools in Early Fungal Detection	
1:00 -1:30 PM	Valdectory Function		
1:30 -2:00 PM	Lunch		



WORKSHOPS 18th DECEMBER 2025

Venue: **Demonstration Hall, Department of Biochemistry,**
First Floor, Academic Block, RMLIMS, Lucknow

**Hands-on
Workshop on
ICP-MS**

**Hands-on
Workshop on
LC-MS/MS**

**Hands-on Workshop
on NGS-Library
Preparation and
Data Analysis**

**Hands-on Workshop
on Basic Cardiac Life
Support Skills**

**National Workshop
on Systematic Review
and Meta Analysis**

**Artificial Intelligence
in Medical Research:
Hands on Applications**

ACADEMIC ACTIVITIES

- SYMPOSIUM
- PAPER PRESENTATION
- POSTER PRESENTATION
- PANEL DISCUSSION
- QUIZ COMPETITION

ORATION & AWARD

- YOUNG SCIENTIST AWARD
- UTKRISHT SEVA SAMMAN
- LIFE TIME ACHIEVEMENT AWARD
- Dr. NUTAN BEDI MEMORIAL AWARD
- Dr. F.S. MEHTA ORATION AWARD
- AMU - STAR AWARD
- BEST PAPER AWARD
- BEST POSTER AWARD

PAPER AND POSTER PRESENTATION (Registration is Mandatory)

LAST DATE OF ABSTRACT SUBMISSION : **31st AUGUST 2025**

REGISTRATION FEES DETAILS

REGISTRATION WITHOUT ACCOMMODATION

Registration Category	Early Bird (31 st May)	Regular Registration (30 th Sept.)	Spot Registration
PG AMU Member #	₹ 4,000	₹ 5,000	₹ 6,000
PG AMU Non Member#	₹ 4,500	₹ 5,500	₹ 6,500
Faculty AMU Member	₹ 5,000	₹ 6,000	₹ 7,000
Faculty Non AMU Member	₹ 6,000	₹ 7,000	₹ 8,000
Spouse Delagate*	₹ 3,000	₹ 4,000	₹ 5,000
AMU Member Overseas ##	₹ 10,000	₹ 12,000	₹ 16,000
AMU Non Member Overseas ##	₹ 12,000	₹ 15,000	₹ 18,000

ACCOUNT DETAILS

ACCOUNT : ASSOCIATION FOR MEDICAL UP
ACCOUNT NO. : 6935835162
BANK : Indian Bank, Manvakheda, Udaipu
IFSC CODE : IDIB000M251



LUCKNOW ATTRACTIONS



Rumi Darwaza

When you want to witness the grandeur of the Awadhi style of architecture, make your way to the Rumi Darwaza, an imposing gateway located between Bara Imambara and Chota Imambara. This gateway built in 1784 by Nawab Asaf-ud-Daula is about 60-feet tall and is generally used as the logo for Lucknow city. Since the gate is modeled after the Sublime Porte in Istanbul, it is sometimes referred to as the Turkish Gate.



Bhool Bhulaiyaa (Bara Imambara)

Counted among the top historical places in Lucknow, Bara Imambara aka Asafi Imambara is a historical monument that dates back to 1784. Built by Asaf-ud-Daula, one of the renowned Nawabs of Awadh, the complex comprises a large mosque (Asfi Mosque), a labyrinth (the Bhul Bhulaiya), and a stepwell with running water (Shahi Baoli). The structure boasts of two large gateways that will lead you to the central hall, which is touted to be the largest vaulted chamber in the world.



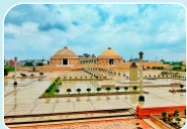
Janeshwar Mishra Park, Lucknow

An urban park located in Gomti Nagar, Janeshwar Mishra Park is dedicated to the late politician Janeshwar Mishra. It is designed after the Hyde Park in London and counts among the top eco-friendly parks in the country. There are two large water bodies within the park which attract lots of migratory birds all through the year. Complete with jogging and cycling tracks, walkways, play areas for kids, gondola rides, and lush green settings, the park serves as a green lung in the city where



Residency, Lucknow

Also called the Residency and the Residency Complex, the British Residency is a complex of buildings that once served as the residence of the British Resident General. Constructed in the last quarter of the 18th century, the place served home to over 3000 British residents during the Indian Rebellion of 1857. Currently, the Residency is in ruins and is a protected monument under the Archeological survey of India.



Ambedkar Park, Lucknow

A public park and memorial built across 107 acres in Gomti Nagar, Ambedkar Park honors Dr. Ambedkar, Jyotirao Phule, Kanshi Ram, Narayana Guru, and many other social reformers who worked for equality and social justice. A striking feature of the park is that the whole place is built using red sandstone bought in from Rajasthan. The key attractions here include the Ambedkar Stupa, Pratibimb Sthal with statues of 62 elephants, the museum, and Dr. Bhimrao Ambedkar Samajik Parivartan Gallery, among others.

NEAR BY ATTRACTIONS



Ram Mandir, Ayodhya

Shri Ram Janmabhoomi Teerth Kshetra, which is the trust constituted to look after construction and management of Ram Temple in Ayodhya has set a target of letting devotees worship Ram Lalla in the new sanctum sanctorum of the temple from January 14, 2024. The temple's construction in Ayodhya started on August 5, 2020 after PM Modi laid foundation stone.



Kashi Vishwanath Temple, Varanasi

Kashi Vishwanath Temple is one of the most famous Hindu temples dedicated to Lord Shiva. It is located in Varanasi, Uttar Pradesh, India. The temple stands on the western bank of the holy river Ganga, and is one of the twelve Jyotirlingas, the holiest of Shiva temples. The main deity is known by the name Vishvanatha or Vishveshvara meaning Ruler of The Universe. Varanasi city is also called Kashi, and hence the temple is popularly called Kashi Vishwanath Temple.



Katra Ghat, Lucknow

Katarniaghat Wildlife Sanctuary is located in the Upper Gangetic plains of Uttar Pradesh. It is a protected area marked for its Sal and Teak forests, green wetlands, swamps and wetlands. It is one of the only places in India where plenty of Gangetic dolphins can be found in Gairwa River. The wild residents of this sanctuary are tigers, leopards, antelopes, deer, crocodiles, turtles, different species of birds and a host of other mammals.



Jim Corbett National Park, Uttarakhand

The park is best known as a protected area for the critically endangered Bengal tiger of India. Tourism is allowed in selected areas of Corbett Tiger Reserve so that people get an opportunity to see its splendid landscape and the diverse wildlife living here. There are many accommodation facilities at Ramnagar as well as at the Corbett National Park. Being one of the most frequently visited parks in the country, the forest department and other agencies have their hotels, lodges, rest houses, log huts for the visitors.



CORPORATE ASSOCIATES

