



# ***HAMDARDBIOCON-2024***

**A TWO DAY CME CUM HANDS – ON WORKSHOP**

*Theme*

## **“Bridging Clinical Biochemistry with Therapeutic Advances”**

IN COLLABORATION WITH

**CAHO**

**(CONSORTIUM OF ACCREDITED HEALTH CARE ORGANISATION, INDIA)**

PRE-CONFERENCE WORKSHOP

**11<sup>th</sup> & 12<sup>th</sup> December, 2024**

ORGANIZED BY:

DEPARTMENT OF BIOCHEMISTRY

HAMDARD INSTITUTE OF MEDICAL SCIENCES AND RESEARCH

&

ASSOCIATED HAHC HOSPITAL

GURU RAVIDAS MARG, HAMDARD NAGAR, NEW DELHI-110062



# WELCOME MESSAGE

Dear All,

On behalf of the Department of Biochemistry at Hamdard Institute of Medical Science and Research (HIMSR), New Delhi, it is our pleasure to invite you to the **“HAMDARDBIOCON”-2024 (CME cum hands-on workshop)**, to be held from 11<sup>th</sup>-12<sup>th</sup> December 2024 at HIMSR.

The Theme of the CME is **"Bridging Clinical Biochemistry with Therapeutic Advances"**. The CME cum hands-on workshop will be conducted in the collaboration of CAHO (Consortium of Accredited Health care Organization, India).

In addition to the CME, we are excited to offer a hands-on workshop on Cell Culture and Molecular Techniques. This workshop will provide hands-on training and insights into essential methodologies that are pivotal in modern biochemistry research and therapeutic applications.

“HAMDARDBIOCON”-2024 aims to unite biochemists, researchers, clinicians, and industry professionals to discuss innovative developments in clinical biochemistry and their relevance to therapeutic advances. This platform promises to inspire collaborations and share knowledge critical to the future of healthcare.

We warmly invite you to participate in both the CME and the workshop, offering a comprehensive experience in scientific learning and networking.

**We look forward for your participation in the HAMDARDBIOCON.-2024.**

Thanks, and Best Regards

**Organizing Committee**

HAMDARDBIOCON-2024

Department of Biochemistry

Hamdard Institute of Medical Science and Research

New Delhi

# ORGANIZING COMMITTEE



## **CHIEF PATRON**

Dr. G.N. QAZI  
*CEO, HIMSR & HAHCH*



## **PATRON**

Dr. SUNIL KOHLI  
*DEAN, HIMSR & HAHCH*



## **PATRON**

DR. MUSHARRAF HUSAIN  
*MS, HAHCH & HIMSR*



## **ORGANIZING CHAIRPERSON**

Dr. JASPREET KAUR  
*(Prof. & Head Biochemistry)*  
*HIMSR*



## **CO-ORGANIZING CHAIRPERSON**

Dr. MAMTA KANKRA  
*(Quality Manager, Clinical Laboratory Services,*  
*CAHO DD, Sir Ganga Ram Hospital)*



## **ORGANIZING SECRETARY**

Dr. SANA ALAM  
*(Associate Prof. Biochemistry)*  
*HIMSR*



## **ORGANIZING SECRETARY**

Dr. KAILASH CHANDRA  
*(Associate Prof. Biochemistry)*  
*HIMSR*



## **JOINT-ORGANIZING SECRETARY**

Dr. BHUMIKA UPADHYAY  
*(Assistant Prof. Biochemistry)*  
*HIMSR*



## **TREASURER**

Dr. SAJIB KUMAR SARKAR  
*(Assistant Prof. Biochemistry)*  
*HIMSR*



# About HIMSR

Hamdard Institute of Medical Sciences & Research (HIMSR) situated in Hamdard Nagar, New Delhi, aims to expedite its scope in life sciences & health domains and provide excellent medical education. The institute is supported by HAHC Hospital that provides outstanding healthcare at an affordable cost with over 740 beds. It has 2 blocks – (Block A and B) that provides tertiary level medical care. HIMSR brings together educational facilities of the highest order for the training of personnel in all esteemed branches of healthcare.

## Distinguished speakers



**Prof (Dr.) Seema Bhargava**

Chairperson, Biochemistry  
Sir Ganga Ram Hospital, New Delhi



**Prof (Dr.) Sunita Bijarnia**

Vice-Chairperson  
Institute of Medical Genetics & Genomics  
Sir Ganga Ram Hospital, New Delhi



**Prof (Dr.) Lalit Gupta**

Professor, Anaesthesiology & Intensive Care  
Maulana Azad Medical College, New Delhi



**Dr. Prabhat**

Associate professor, Biochemistry  
AIIMS Gorakhpur, Uttar Pradesh



**Dr. Sandeep Kumar**

Scientist, ICMR  
Department of Molecular Diagnostics/Molecular Oncology  
National Institute of Cancer Prevention and Research





# HAMDARD INSTITUTE OF MEDICAL SCIENCE AND RESEARCH

Department of Biochemistry

Limited for  
15 participants

## HANDS-ON TRAINING IN MAMMALIAN CELL CULTURE



11<sup>th</sup> December 2024



9:00 am– 5:00 pm



Biochemistry Research  
Lab, 2<sup>nd</sup> floor HIMSR New  
Delhi

### WORKSHOP HIGHLIGHTS

- Expert talk
- Cell Revival
- Cell propagation
- Cell Passaging
- Cell viability assay (Trypan blue assay)
- Toxicity assay (MTT assay)
- Cell counting
- Cryopreservation
- RNA isolation, cDNA synthesis
- Primer designing, PCR
- Agarose gel Electrophoresis

Registration fee:

Rs. 500 /-



Register here:



Scan to pay via UPI:



UPI ID: himsr@ucobank

<https://forms.gle/a5mBktJimUwPmSwi9>

Dr. Jaspreet Kaur

ORGANIZING CHAIRPERSON

Dr. Sana Alam

ORGANIZING SECRETARY

Dr. Kailash Chandra

ORGANIZING SECRETARY





# HAMDARD INSTITUTE OF MEDICAL SCIENCE AND RESEARCH

## DEPARTMENT OF BIOCHEMISTRY



Register here:



## *Protein Electrophoresis : From Isolation to Visualisation & interpretation*

## KEY HIGHLIGHT

- Expert talk
- Protein extraction
- Quantification
- SDS-PAGE
- Visualisation
- Plasma protein Electrophoresis
- Western blotting
- Demonstration & interpretation
- Troubleshooting in experiments.

Limited for  
15 participants

Venue: Research Lab Biochemistry

Date: 11<sup>th</sup> December 2024

Scan to pay via UPI:



UPI ID: himsr@ucobank

Registration fee:  
Rs.500 /-



<https://forms.gle/a5mBktJimUwPmSwi9>

Dr. Jaspreet Kaur

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Dr. Sana Alam

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Dr. Kailash Chandra

ORGANIZING SECRETARY





HAMDARD INSTITUTE OF MEDICAL  
SCIENCE AND RESEARCH

# HAMDARDBIOCON 2024



## Quiz Competition for Undergraduate Students (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> Year MBBS)

Organised by  
DEPARTMENT OF BIOCHEMISTRY  
HIMSR, New Delhi

Venue: LT-6  
11<sup>TH</sup> DECEMBER  
2024

Exciting  
Awards/Cash Prizes  
For all Winners

No Registration  
Charges

REGISTER HERE

<https://forms.gle/a5mBktJimUwPmSwi9>



"UNLOCKING THE CODE OF BIOCHEMISTRY"

Theranostics -  
New Approach

Molecular Mystery

Metabolic Maze

Dr. Jaspreet Kaur  
ORGANIZING CHAIRPERSON

Dr. Sana Alam  
ORGANIZING SECRETARY

Dr. Kailash Chandra  
ORGANIZING SECRETARY



HAMDARD INSTITUTE OF MEDICAL SCIENCE AND RESEARCH

Guru Ravidas Marg, Hamdard Nagar, New Delhi -110062

DEPARTMENT OF BIOCHEMISTRY

ORGANISES A WORKSHOP & CME ON



**THEME: "BRIDGING CLINICAL BIOCHEMISTRY WITH THERAPEUTIC ADVANCES"**

**12<sup>th</sup> December 2024 (Wednesday) || VENUE: Lecture Theatre -6 || Time: 8:00 am onwards**

**SCIENTIFIC PROGRAM (DAY-2)**

S.no	Lecture	Speaker	Chairperson/ Moderator	Time
1.	Registration			8:00-9.00 am
Session 1: Inborn errors of metabolism (IEM)				
2.	Diagnostic approaches in IEM and its interpretation <i>(Invited talk 1)</i>	Dr. Prabhat <i>(Assoc. Prof. Biochemistry AIIMS, Gorakhpur)</i>	Dr. Jaspreet Kaur <i>(Prof. &amp; Head Biochemistry) HIMSR</i> Dr. Binita Goswami <i>(Prof. Biochemistry MAMC)</i>	9:00-9.30am
Discussion				9.30-9.40 am
3.	Clinical Management of IEM <i>(Invited talk 2)</i>	Dr Sunita Bijarnia <i>(Vice-Chairperson Institute of Medical Genetics &amp; Genomics, Sir Ganga Ram Hospital, New Delhi )</i>	Dr Sangeeta Yadav <i>(HOD, Pediatrics HIMSR &amp; HAHCH)</i>  Dr. Aruna Nigam <i>(HOD, Obs &amp; Gynae HIMSR &amp; HAHCH)</i>	9.40-10.10am
Discussion				10.10-10.20am
Session 2 : Theranostic of Sepsis				
4.	Management of sepsis <i>(Invited talk 3)</i>	Dr. Lalit Gupta <i>(Professor, Anaesthesiology &amp; Intensive Care, MAMC)</i>	Dr. Kharat Mohd Butt <i>(HOD, Anesthesia HIMSR &amp; HAHCH)</i>  Dr. Anwar Habib <i>(HOD, Medicine HIMSR &amp; HAHCH)</i>	10.20- 10.50am
Discussion				10.50-11:00 am
5.	Biomarkers of Sepsis <i>(Invited Talk 4)</i>	Dr. Seema Bhargava <i>(Chairperson, Biochemistry, Sir Ganga Ram Hospital Past President, CAHO DD )</i>	Dr. Sunil Kohli <i>(DEAN, HIMSR)</i>  Dr. Musharraf Husain <i>(M.S., HAHCH)</i>	11:00- 11:30 am



6.	Panel Discussion – on Sepsis (LT6)		11:30-11:50 am
Dr. Musharraf Husain, Dr. Seema Bhargava, Dr. Kharat Mohd Butt Dr. Prem Kapur, Dr. Sangeeta Yadav, Dr. Neetu Shree			
Tea Break (11:50 am -12:00 pm )			
Inaugural Program			
Event		Presented By	Time
7.	Recitation of Quran		12:00-12:05pm
8.	Lamp Lighting Ceremony		12:05-12:15 pm
9.	Welcome address by Organizing Chairperson (HIMSR)	Dr. Jaspreet Kaur (Prof. & Head Biochemistry,HIMSR)	12:15-12:20 pm
10.	Address by Co-Organizing Chairperson (CAHO-DD) Pre-Conference workshop	Dr Mamta Kankra (Quality Manager, Clinical Laboratory Services, CAHO DD) Sir Ganga Ram Hospital	12:20-12:30 pm
11.	Address by Patrons	Dr. Sunil Kohli (DEAN, HIMSR)	12:30-12:35 pm
		Dr. Musharraf Husain, (MS., HAHCH)	12.35-12.40 pm
12.	Address by Chief Patron	Dr. G.N. Qazi (CEO, HIMSR)	12:40-12:50 am
13.	Vote of Thanks by Organizing Secretary	Dr. Sana Alam (Associate Prof. Biochemistry)	12:50-1:00 pm
Lunch			1:00-2:00pm
Oral evaluation (LT-6) / Posters evaluation – (Foyer)			2:00-3:00 pm
Valedictory function and certificates distribution			
Summary –Report of HAMDARDBIOCON by Organizing Chairperson		Dr. Jaspreet Kaur (Prof. & Head Biochemistry, HIMSR)	3:00-3:10 pm
Closing Ceremony by Organizing Secretaries		Dr. Sana Alam (Associate Prof. Biochemistry, HIMSR) & Dr. Kailash Chandra (Associate Prof. Biochemistry, HIMSR)	3:10-3:20 pm
High tea			



# ABSTRACT SUBMISSION GUIDELINES

HAMDARDBIOCON-2024 invites abstracts to be presented in the CME. The scientific committee shall review each abstract and the presenters shall be notified of the outcomes and successful authors shall be invited to present poster/oral presentation depending upon originality and appeal of the scientific work.

The suggested topics for abstract submission are as follows:

<b>Biomarkers in Personalized Medicine</b>	<b>Lifestyle diseases</b>	<b>Inborn error of metabolism- Biochemistry</b>
<b>Sepsis</b>	<b>Inflammation</b>	<b>Biomarkers for cancers</b>
<b>Proteomics/metabolomics/ Glycomics/Lipidomic</b>	<b>Liquid Biopsy</b>	<b>Pharmacogenomics</b>
<b>Mitochondrial/Endothelial Dysfunction, Oxidative stress</b>	<b>POCT, Quality control, Six sigma</b>	<b>Therapy (Allopathy /Natural Product)</b>
<b>Vitamins</b>	<b>Neurological disorders</b>	<b>GUT microbiome</b>

## IMPORTANT INSTRUCTIONS & GUIDELINES

### Presentation category:

- Oral Presentation
- Poster Presentation

### Submission Rules

Abstracts must contain original scientific data collected by the author(s).

Language: All abstracts are to be written in English. The Scientific Committee reserves the right to edit abstracts where the English structure makes comprehension difficult.

- Submission: All abstracts must be submitted /uploaded via registration google form <https://forms.gle/a5mBktJimUwPmSwi9>
- Main body of the Abstract should be within word limit of 250 words. (excluding Title, Authors, Co-authors etc)
- An abstract should include the following:
  - ✓ Title of abstract-
  - ✓ Affiliations: Names and contact details of author (s) organisation, city /country, email.
  - ✓ Background
  - ✓ Methods
  - ✓ Results
  - ✓ Conclusions

**Abstracts  
Submission  
Deadline :  
30th November  
2024**



# REGISTRATION INFORMATION

S.no	CATEGORY	AMOUNT
1.	CME	Rs. 500/-
2.	WORKSHOP	Rs. 500/-
3.	CME + WORKSHOP	Rs. 1000/-
4.	QUIZ	FREE

Online payment to be drawn in favour of HAMDARD INSTITUTE OF MEDICAL SCIENCE & RESEARCH and attach the proof of payment in the registration google form. <https://forms.gle/a5mBktJimUwPmSwi9>

- Bank name: UCO Bank
- Branch Name: TALIMABAD
- Account no. 20370110068762
- IFSC code: UCBA0002037

Scan to pay via UPI:



UPI ID: [himsr@ucobank](mailto:himsr@ucobank)

➤ REGISTRATION FEE INCLUDES ACCESS TO SCIENTIFIC SESSIONS, CME/WORKSHOP, LUNCHES & KIT.

**Abstracts  
Submission  
Deadline :  
30th November  
2024**

Please Scan here to  
register:



Registration link:

<https://forms.gle/a5mBktJimUwPmSwi9>



For any information please contact to secretariat



[hamdardbiocon@gmail.com](mailto:hamdardbiocon@gmail.com)



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