



शरीरमाद्यं खलु धर्मसाधनम्

LABSCON 2027



XV Annual Conference of the Indian Academy of Biomedical Sciences

Integrating Molecular diagnostics, POCT-AI, AYUSH, Clinical Research, and Technology in Healthcare Management (**IMPACT**)

14th-16th March 2027

JLN Auditorium, AIIMS New Delhi



Conference Secretariat

Prof Shyam Prakash

Department of Laboratory Medicine

All India Institute of Medical Sciences, New Delhi, India

website: iabscon2027.com, Email: iabscon2027@gmail.com

WELCOME TO IABSCON 2027

A multidisciplinary platform for biomedical science, translational research and healthcare innovation

The XV International Conference of the Indian Academy of Biomedical Science, IABSCON 2027, aims to foster interdisciplinary dialogue among biomedical scientists, data scientists, technologists, clinicians, and AYUSH practitioners. The conference promotes translational research that bridges molecular laboratory science with clinical and community healthcare, accelerates AI-driven innovation in diagnostics, therapeutics and health management, advances the scientific validation of AYUSH through molecular and evidence-based approaches, drives POCT and device innovation for equitable healthcare access, and strengthens global-local partnerships in precision medicine research and policy.

The programme will feature keynote addresses, interactive workshops, cutting-edge research presentations and networking opportunities, creating a platform to share knowledge, gain insights and contribute to the global scientific dialogue.

WHY ATTEND IABSCON 2027

Cutting-Edge Research Discover the latest breakthroughs in biotechnology, genomics, bioinformatics, synthetic biology and translational science.	Expert Insights Learn from leading scientists and industry experts through keynotes, panels and scientific sessions.
Networking Opportunities Connect with peers, collaborators and mentors from diverse scientific backgrounds.	Professional Development Enhance skills through hands-on workshops, focused sessions and specialized training.
Global Perspective Explore international challenges and opportunities shaping biomedical and healthcare innovation.	Career Advancement Build collaborations, explore new pathways and connect with potential research partners.
Inspiration Engage with researchers working to solve complex global health challenges.	Innovation Showcase Explore emerging technologies, diagnostics, devices and AI-enabled healthcare solutions.

KEY TRACKS & THEMES

Focused scientific tracks spanning molecular science, technology, clinical translation and health innovation

Molecular Diagnostics: Frontiers & Innovations

"Decoding Disease at the Molecular Level"

NGS, clinical genomics, reproductive & prenatal diagnostics
Circulating DNA, RNA and exosome-based approaches
Epigenomics, transcriptomics, proteomics, metabolomics & PTMs
Standardization, rare disease & newborn screening, molecular hematology

AI & Machine Learning in Biomedical Sciences

"Intelligent Machines, Smarter Medicine"

AI for biomarker discovery & omics integration
AI-driven risk prediction & early detection
Deep learning in pathology & imaging diagnostics
Generative AI & AI-powered drug discovery/repurposing

Point-of-Care Testing: Biosensors & Smart Devices

"Bringing the Laboratory to the Patient"

Microfluidics & lab-on-chip diagnostics
Wearable biosensors & continuous monitoring
Smartphone-integrated & IoT-enabled platforms
LAMP, CRISPR & lateral flow assays; rural/remote settings

AYUSH: Molecular Validation, Omics & Precision Integration

"Ancient Wisdom, Modern Evidence"

Genomic & metabolomic profiling of AYUSH therapeutics
Prakriti-based genomics & personalized Ayurvedic medicine
Clinical validation & evidence-based AYUSH research
Microbiome modulation by Ayurvedic & herbal interventions

Precision Oncology & Translational Cancer Diagnostics

"Personalizing the Fight Against Cancer"

Molecular profiling & diagnostics in cancer
Circulating tumor cells, ctDNA & minimal residual disease
Pediatric oncology & rare tumors
Epigenetic alterations as diagnostic/therapeutic targets

Infectious Diseases, AMR & Pandemic Preparedness

“Diagnostics at the Forefront of Infection Control”

Molecular diagnostics for viral, bacterial, fungal & parasitic infections

Antimicrobial resistance (AMR)

CRISPR & isothermal amplification in infectious disease detection

HIV, tuberculosis & neglected tropical disease diagnostics

Clinical Applications of Translational Research

“Bridging Discovery Science with Patient Care”

Biomarker discovery, validation & clinical translation

Stem cell biology & regenerative medicine

Cardiovascular, metabolic & endocrine disease diagnostics

Liver diseases & gastrointestinal cancers

Hemoglobinopathies & hematological disorders

Reproductive health biomarkers; ageing, senescence & longevity

CALL FOR ABSTRACTS & AWARDS

CALL FOR ABSTRACTS

- Submit original research for oral and poster presentations.
- Word limit: 250–300 words (Background, Objectives, Methods, Results, Conclusion).
- Categories: Original Research / Review / Case Study / Innovation / Technology / Student Research.
- Submission mode: Online portal (link to be announced).
- Deadline & acceptance notice: To be notified.
- Presenting author registration: Mandatory upon acceptance.
- Detailed guidelines: www.iabscon2027.com.

AWARDS & RECOGNITION

Best Oral Presentation Award

3 awards

Best Poster Presentation Award

3 awards

Young Scientist Award

3 awards

Best Undergraduate Research Award (Bachelors and Masters)

3 Awards

Travel Awards

10 awards • Upon request to the Organising Secretary, based on abstract merit

REGISTRATION INFORMATION

Secure your spot at IABSCON 2027. Early-bird registration offers significant discounts, with registration packages planned for faculty/scientists, researchers and students.

Early Bird Registration	1 September 2026 – 30 November 2026
Regular Registration	1 December 2026 – 31 January 2027
Spot Registration	On site
Website	www.iabscon2027.com

CONFERENCE LEADERSHIP

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Chief Patron
Director, AIIMS New Delhi



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Director General,
ICMR, New Delhi

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Jamia Hamdard University, Delhi

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AIIMS, New Delhi



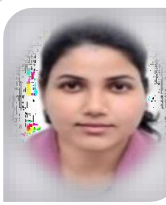
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AIIMS, New Delhi



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Hindu Rao Hospital,
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AIIMS, New Delhi



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AIIMS, New Delhi



Venkatapathy K
AIIMS, New Delhi



Dr. Deepika Verma
AIIMS, New Delhi



Dr. Shahid Khan
AIIMS, New Delhi

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Dr. Akanksha Priya
AIIMS, New Delhi



Ram Aasarey
AIIMS, New Delhi



Javed Islam
AIIMS, New Delhi



Medha
AIIMS, New Delhi

CONFERENCE AT A GLANCE

Dates 14–16 March 2027	Venue JLN Auditorium, AIIMS, New Delhi
Scientific Focus Molecular diagnostics • POCT-AI • AYUSH • Clinical research • Healthcare technology	Website www.iabscon2027.com
Conference Secretariat Prof Shyam Prakash Dept of Lab Medicine, AIIMS, New Delhi	Email iabscon2027@gmail.com

HOW TO REACH THE VENUE

- ☞ Venue: JLN Auditorium, All India Institute of Medical Sciences, New Delhi.
- ☞ By Metro: AIIMS Metro Station on the Yellow Line is the most convenient metro access point.
- ☞ By Air: Indira Gandhi International Airport is connected to central Delhi by road and metro.
- ☞ By Rail: New Delhi Railway Station and Hazrat Nizamuddin Railway Station provide convenient rail access.
- ☞ Delegates are advised to use official navigation services on the day of travel for live traffic and transit information.

ABOUT NEW DELHI

A vibrant capital combining science, culture, history and modern infrastructure

- New Delhi offers delegates an engaging setting for an international scientific meeting, with a rich blend of historic landmarks, cultural experiences, green spaces and modern research and healthcare institutions. The city provides convenient air, rail and metro connectivity for national and international participants.



WE LOOK FORWARD TO WELCOMING YOU TO IABSCON 2027!

An unforgettable experience at the forefront of scientific innovation

SCIENCE • COLLABORATION • INNOVATION • IMPACT

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