



IABS North Zone 2024



Indian Academy of Biomedical Sciences (North Zone)-Delhi Chapter

“Artificial Intelligence and Translational Research in Human Health”

05th -06th August 2024

JLN Auditorium, AIIMS, New Delhi



All India Institute of Medical Sciences
Department of Laboratory Medicine

Registration Link: <https://iabs-nz2024.com/register/>

Dates to Remember:

Registration Opens: 29th May 2024

Early Bird Registration: 30th June 2024

Abstract Submission Begins: 29th May 2024 **Submission Ends:** 20th July 2024

For Communication:

Email: iabs.nz2024@gmail.com

Contact: +91-9868221414, 9911206373

Indian Academy of Biomedical Sciences (IABS)

The Indian Academy of Biomedical Sciences (IABS) was founded by scientists from India and overseas who shared a vision and worked together to enhance translational research in the biomedical sciences. The academy, registered under the Government of India's Societies Act 1860, is dedicated to disseminating information and developing academic excellence in this sector. IABS strives to facilitate collaboration between clinicians and scientists through a variety of activities such as Continuing Medical Education (CME) sessions, workshops, symposia held in various locations, and an Annual International Conference, thereby nurturing biomedical research, fostering innovation, and promoting academic prowess in the field.

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Theme of the Conference

Translational research connects essential scientific findings to clinical applications, bridging between AI and healthcare implications, including genetics, cell biology, toxicology, pharmacology, pathology, bioengineering and clinical practice approaches to drive medical health progress in disease prognosis and diagnostics. Basic and advanced technology is critical in understanding disease burden and genetic variability; biomarkers and molecular signatures will be potential tools for targeted and personalized medicines. Bioengineering innovations, such as developing new medical devices, biomaterials, nanomaterials, and tissue engineering techniques, are critical for translating scientific discoveries into practical applications. In contrast, biotechnology uses biological systems to create products that improve health care, ranging from diagnostics to advanced therapies. However, big data and AI approaches are better decision-making tools but have multiple challenges, limiting their applications to various aspects of human life. Collaboration between basic science and clinical science research specialists promotes a multidisciplinary approach to automation, molecular diagnostics, personalized medicine, and disease management, including CVD, liver disease, lifestyle illness and cancers, accelerating the translation of scientific discoveries from basic to advancements in clinical applications for better patient care. This conference will provide a stimulating forum for academics, clinicians, and industry leaders to exchange their findings and perspectives on integrating AI and translational research in health care. Through presentations, panel discussions, and interactive sessions, attendees will discuss on basic sciences and advancements in driving medical innovation and the auxiliary role of AI. Each participant will be enriched with a scientific feast, collaboration, and interaction with distinguished professionals in their respective fields.

About New Delhi

India's dynamic capital, New Delhi, is a colourful patchwork of culture, history, and modern-day life. The city has a rich history, with many ancient buildings that witness its glory days. The spectacular Red Fort, an iconic representation of Mughal architecture, is hard to overlook. In the past, emperors held court here and proclaimed their authority. The Grand Jama Masjid, India's largest mosque, is located nearby and provides an insight into the nation's architectural magnificence and religious diversity. The Qutub Minar, a UNESCO World Heritage Site with elaborate carvings and Islamic calligraphy, reminds of Delhi's long history. Nestled in its historical magnificence, New Delhi has a thriving culture and way of life. With its tempting aromas and vibrant colours, its lively bazaars, like Chandni Chowk, entice visitors with an abundance of mouthwatering street food options and traditional crafts. Because of its diversified population, the city has a richer cultural landscape. Holidays like Diwali and Holi are celebrated with unparalleled zeal, lighting up the city in a blaze of colour and lights. New Delhi offers visitors a fascinating look into India's history, present, and future by skillfully fusing tradition and modernity, from the serene gardens of Lodi to the cutting-edge art galleries of Connaught Place.



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Research Themes

- Basic and Advances in Biomedical Research
- Biomarkers and Molecular Signature
- Basic and Applied Immunology
- Molecular Genetics, Microbiology and Virology
- Reproductive Biology
- Maternal and Child Health
- Geriatric Medicine
- Mental Health Disorders
- Toxicology and Free Radicals
- Cancer Biology
- Nutrition and Anemia
- Liver diseases and MAFLD
- Metabolic Disorders
- Ethics in Laboratory Medicine
- National Health Programs
- Cardiometabolic Diseases
- Xenobiotics
- Communicable & Non-Communicable Diseases
- Rare Disease
- Precision Medicine
- Clinical Biochemistry
- Lab Automation and Advancements
- Innovative Technologies (POCT, Biosensors, Nanotechnology)
- Quality Assurance, Quality control, Audit, Patient Safety and Accreditation
- OMICS (Genomics/Transcriptomics/ Proteomics/ Lipidomics/ Metabolomics/Microbiomics)
- Machine learning (Artificial Intelligence and Bioinformatics tools) in Translational Healthcare
- Large Data Analysis

Registration Fees & Payment Details (Inclusive GST@18%)

Category	Early Bird (up to 30th June 2024)		After 1st July (till 20th July 2024)		Spot Registration
	IABS Members (₹)	Non-IABS Members (₹)	IABS Members (₹)	Non-IABS Members (₹)	
Faculty/Scientist	4130	4720	4720	5310	5900
Post-Doctoral Researchers	2950	3540	3540	4130	4720
PhD/MD/DM Students	2360	2950	2950	3540	4130
Students (UG/PG)	1180	1770	1770	2360	2950
Foreign Delegates	\$177	\$236	\$295	\$354	\$413

All payments should be made by bank transfer:

Account Name: **IABS North Zone 2024**

Account No.: **42914634132**

IFSC: **SBIN0001536**

SWIFT Code: **SBININBB545**

Branch: **AIIMS Campus, Ansari Nagar, New Delhi**

Bank: **State Bank of India**



Scan the QR for Payment



Indian Academy of Biomedical Sciences

(Registration No. 2826-2011-2012, Under the Societies Registration Act-1860)

Application for Membership

Full Name: _____
(In Block Letters)

Date of birth: _____ Sex: _____ Nationality: _____

Designation: _____

Institutional address: _____

Address for correspondence: _____

Phone: (O) _____ (R) _____ Mobile: _____

Email: _____

Academic Qualifications (subjects): _____

Professional Experience (in years): _____

Publications (Number only): _____

Current Research Interests: _____

Introduced/Referred by: _____

I enclose herewith Rs. by demand draft No.

Drawn on dated
as Life/Annual/Student membership fee.

Date: _____ Signature _____

Please fill up the form and send it along with DD/after E-Transfer of money to the following address:

Vice Chancellor's Secretariat, Era University, Sarfarazganj, Hardoi Road, Lucknow – 226003, India,

Email: iabshqr@gmail.com

For Office Use Only

Membership No.

Secretary – General/Treasurer, IABS

Membership Fee (Payable through bank demand draft/e-transfer in favor of 'Indian Academy of Biomedical Sciences' payable at Lucknow)

- Ordinary Member – Rs. 500/- per annum
- Student Member – Rs. 300/- per annum
- Life Member – Rs. 6000/-
- Life membership fee can be paid in two installments, within one year of first payment.
- Life Membership fee is Rs. 3000/- only for those who are more than 60 years
- Associate Life Member – Rs. 3000/-
- Foreign Life Member Associate: US\$: 300.00 (or equivalent amount in Indian rupees)

For Electronic Transfer:

Bank Name: Indian Bank, KGMC, Lucknow
Saving Account Name: Indian Academy of
Biomedical Sciences
Saving Account No.: 50094295253
Branch Code: 05028
IFSC CODE: IDIB000K656
MICR CODE: 226019263