



ACBICON 2024

Golden Jubilee Conference of

Association of Clinical Biochemists of India

Venue:- Mount View Hotel, Chandigarh

Organized by: Department of Biochemistry, PGIMER, Chandigarh

4th - 7th
December
2024



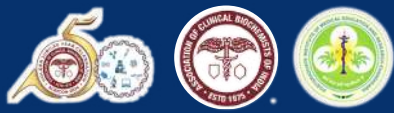
Welcome to Chandigarh
The city beautiful

DELEGATE BROCHURE

Conference Secretariat
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ABOUT PGIMER, CHANDIGARH

The **PGIMER** owes its inception to the vision of late Sardar Partap Singh Kairon, the then Chief Minister of Punjab and the distinguished medical educationists of the then combined state of Punjab, supported by the first Prime Minister of India **Pt. Jawahar Lal Nehru** who considered the institutions of scientific knowledge as temples of learning and the places of pilgrimage. The institute started in 1962 and Pt Jawahar Lal Nehru inaugurated the hospital now named "Nehru Hospital" on 7th July 1963. The Institute was originally under the Government of undivided Punjab. After the reorganization of the state, the administrative control of the institute passed on to the Union Territory of Chandigarh in November 1966. The Institute became an autonomous body under the Act of Parliament in 1967 functioning under the Ministry of Health and Family Welfare, Government of India, with the following mandate.



Pt. Jawahar Lal Nehru Inaugrating the Nehru Hospital on 7th July 1963.



President Dr. Zakir Hussain inaugurating the Zakir Hall in December 1967.



Prime Minister Smt. Indira Gandhi inaugurating the Research Block in November 1968



Pt Jawahar Lal Nehru walking down the corridors of Nehru Hospital.

ABOUT ACBI

January 18, 1975, was a red letter day for Clinical Biochemistry, when renowned clinical biochemists from all parts of the country resolved to establish the **Association of Clinical Biochemists of India** to promote improvement in the health and well-being of the communities it serves through improving the science and practice of Clinical Biochemistry:-

- By holding meetings, congress, seminars, symposia and otherwise to promote and advance the interest of Clinical Biochemistry.
- To organize and establish institution / training centre for training Clinical Biochemists and to hold examinations and award diplomas.
- To associate with International and National Organizations such as IFCC APFCB, INSA, NAMS, QCI, ICHA etc.
- To advise Universities, Governments and Statutory Authorities regarding Biochemistry including Clinical Biochemistry.
- To publish journal(s) related to Clinical Biochemistry and News bulletin covering Association activities.
- To create awareness in community on importance of biochemical tests in preventive, curative and rehabilitative healthcare. This was followed by a two days conference in which Executive Committee members were elected and Professor Awadhesh Saran was installed as its First President and Dr. K. P. Sinha as its first Secretary. Since then Annual conferences have been held in various parts of the country.



WELCOME MESSAGE

Dear Colleagues,

On behalf of the Organizing Committee, we extend a warm welcome to the picturesque city of Chandigarh for the **50th Annual Conference of the Association of Clinical Biochemists of India (ACBICON 2024)**, scheduled to take place from **December 4th to 7th 2024 at Hotel Mount View, Chandigarh**. The conference is being organized by the **Department of Biochemistry, PGIMER, Chandigarh**.

The theme of the conference is **"From Laboratory to Life: Recent Advances in Basic and Medical Research for Global Healthcare"**.

Chandigarh, renowned for its urban design, vibrant culture, lively markets, and the spirited nature of its inhabitants, eagerly awaits your presence. The city is famous for attractions such as Nek Chand's Rock Garden, Sukhna Lake, numerous beautiful gardens, shopping malls, and food courts. Chandigarh enjoys excellent connectivity by air, rail, and road to all major cities in India. Nestled at the foothills of the Shivalik range of the Himalayas, Chandigarh, known as the "City Beautiful" serves as a gateway to nearby hill stations and is in close proximity to the famous '**Golden Temple**' of Amritsar.

The Scientific Committee is honored to host distinguished speakers from India and around the world, providing a truly global perspective to the meeting. The **50th ACBICON 2024** conference offers an excellent opportunity to stay updated on the latest advances and network with peers from across the country and the globe. The organizing committee is dedicated to ensure that the conference becomes an academically and culturally enriching experience for all the attendees.

We eagerly anticipate your participation in the Conference.

Thanks and best regards,



Prof. Indu Verma

Organising Secretary, ACBICON 2024

Department of Biochemistry

PGIMER, Chandigarh



ACBICON 2024 COMMITTEE MEMBERS



Prof. K P Sinha
Patron



Prof. Praveen Sharma
Patron



Prof. Rajeev R. Sinha
Chairperson



Prof. Indu Verma
Organising Secretary

Joint Organising Secretaries



Prof. Jyotdeep Kaur



Dr. Prasenjit Mitra

Treasurer



Dr. Deepy Z

LOCAL ORGANISING COMMITTEE



Prof. Sujata W



Prof. Thungapathra M



Prof. Savita Verma



Prof. Dibyajyoti Banerjee



Prof. Arnab Pal



Dr. Sant Ram



Dr. Jayakanthan K



Dr. Shruti Gupta



Dr. Renuka



Dr. Kumud Ranjan Thakur



Dr. Gaurav Bhatia



REGISTRATION INFORMATION

S.No	Category		Till 15th August 2024 (Early Bird)			16th August to 3rd December 2024			Spot
			Pre Conference Workshop (PCW)	Conference (Con)	Pre Conference Workshop (PCW) + Conference (Con)	Pre Conference Workshop (PCW)	Conference (Con)	Pre Conference Workshop (PCW) + Conference (Con)	Only for Conf.
1	Delegates	Member	₹1200	₹7800	₹9000	₹1800	₹9000	₹10800	₹10200
		Non-member	₹1800	₹9000	₹10800	₹2400	₹10200	₹12600	₹12000
2	Associate delegate/ Accompanying Person		₹5400			₹6600			₹7200
3	Students/PhD Scholar		₹960	₹4800	₹5760	₹1200	₹5400	₹6220	₹7200
5	International delegate		\$60	\$300	\$360	\$90	\$360	\$450	\$480
6	Associate International delegate		\$120			\$180			\$240

*Note: Above Fees Inclusive of GST and Transaction charges

Terms & Conditions:

- Registration fee is inclusive of 18% GST and transaction charges levied during online registration.
- Registration fee includes access to scientific sessions, trade exhibition, conference lunches, Conference kit and dinners.
- Registration fee for accompanying person includes access to scientific sessions, trade exhibition, conference lunches and dinners.
- No refund shall be issued if registration done under any discounted category.

Cancellation & Refund Policy:

- 100% refund - the congress secretariat must receive a notification of cancellation in writing at least one month before the event. Refund will be processed deducting 18% GST, 2% Transaction charges.
- No refund - 100% cancellation fee will be charged for any cancellations made within 30 days prior to the event date

All cancellations and requests for refund must be in writing to conference secretariat at acbicon2024@gmail.com

CLICK HERE TO REGISTER





CALL FOR ABSTRACTS

ACBICON 2024 invites abstracts to be presented in the conference. 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 / papers depending upon originality and appeal of the scientific work.

- The abstracts submission starts from: 1st May 2024
- The deadline for abstracts submission is: 15th September 2024
- Notification: 15th October 2024

IMPORTANT INSTRUCTIONS & GUIDELINES

Presentation Formats

- Oral Presentation
- E-Poster Presentation

Submission Rules

- Abstracts must contain original scientific data collected by the author(s). No abstract pertaining to review of literature will be accepted.
- 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 via the Online Abstract Portal through conference website.
- 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

(Please provide evidence of ethical approval and funding acknowledgements if any).

[Click Here to submit
Abstract](#)

SUBMISSION CATEGORIES

- Accreditation, Patient Safety, Risk management, Quality Assurance, Audit
- Aging and Longevity
- Artificial Intelligence, clinical decision support and machine learning
- Bone diseases
- Cancer Biology
- Clinical Biochemistry and Enzymology
- Clinical Omics (Genomics, Proteomics, Metabolomics and Lipidomics)
- Diagnostic and Prognostic Biomarkers and Bioassays
- Drug Designing, TDM
- Emerging and Analytical Innovative technologies
- Endocrine Disorders
- Epigenetics and Chromatin Remodeling
- Evidence based laboratory medicine, including Guidelines
- Gastrointestinal Disease
- Gut Microbiome
- Immunological basis of diseases
- Inborn errors of metabolism
- Infectious diseases
- Kidney diseases
- Metabolic medicine
- Miscellaneous
- Molecular basis of Mental health disorders
- Molecular Diagnostics
- Neurochemistry
- Nutrition, Trace Elements and Vitamins
- Point of care testing
- Precision medicine
- Prenatal testing
- Rare Diseases
- Reproductive health
- Total Quality Management (TQM)
- Toxicology



PRE-CONFERENCE WORKSHOP DETAILS

1



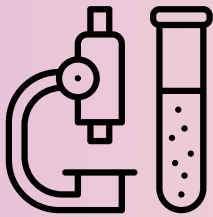
Bioinformatics approaches for Transcriptome Data Analysis

2



Digital PCR

3



Biochemical Diagnosis of Inborn Errors of Metabolism

4



Next Generation Sequencing

5



Fundamentals of HPLC & its applications

6



How SDL and Reflective Writing can Transform Biochemistry Education in academics and laboratories

7



Proficiency Testing in Medical Laboratory – Improving Lab Quality Management



WORKSHOPS

Bioinformatics approaches for Transcriptome Data Analysis

Target audience: Masters' students in life sciences, Research scholars, Ph.D. students in Life sciences, Residents, Faculty.

Highlights:

- Screening datasets- Sources NCBI GEO/TCGA/Array Express
- Introduction to coding /noncoding RNA Databases
- R based / GUI based analysis
- DEGs evaluation, Transcript profiling
- Tools for Enrichment
- Pathway/Gene ontologies/Function enrichment/Pathway enrichment
- Survival Analysis

Biochemical Diagnosis of Inborn Errors of Metabolism

Target audience: Faculty and postgraduate students interested in Inborn errors of metabolism (IEM)

Highlights:

- Newborn screening of inborn errors of metabolism
- Biochemical techniques for diagnosing IEM
- Tandem Mass Spectrometry analysis of amino acid, organic acid and fatty acid oxidation defects
- Gas chromatography-Mass spectrometry confirmation of amino acid, organic acid and fatty acid oxidation defects and other disorders

Digital PCR

Target audience: Research scholars, Residents (Junior & Senior), Consultant/Faculty.

Highlights:

- Principle of digital PCR
- Advantages of digital PCR
- Preparation of digital PCR reaction
- Running digital PCR
- Quanta Soft Software training
- Interpretation of results
- Applications

Next Generation Sequencing

Target audience: Research Scholars, Junior & Senior Residents, Pathologists, Clinical and Laboratory Geneticist and Counsellors, Consultant/Faculty

Highlights:

- Talks from experts running Clinical NGS services
- Demonstration of Ion Torrent NGS Platform and Workflow
- Dedicated Bioinformatics Talks direct from experts with overview of clinical databases
- Tips to learn ACMG Based Clinical Reporting
- Recent updates on newer NGS technologies and where to use what





Fundamentals of HPLC & its applications

Target audience: Research scholars, Residents (Junior & Senior), Consultant/Faculty

Highlights:

- Basics of liquid chromatography
- Principle of HPLC
- HPLC components and function
- Sample preparation and analysis
- HPLC operation and troubleshooting
- Applications of HPLC

How SDL and Reflective Writing can Transform Biochemistry Education in academics and laboratories

Target audience: Faculty and students of Biochemistry in academics and laboratories

Highlights:

- Effective implementation of self-directed learning (SDL) in Biochemistry for academicians and laboratorians
- Hands on Reflective Writing strategies and assessment in academics and laboratories

Proficiency Testing in Medical Laboratory – Improving Lab Quality Management

Participants:

Laboratory consultants, PT participants, PT providers, IVD partners, Laboratory physicians, Consultants, scientist, Lab technologists who are interested in learning the role of **Proficiency Testing in Medical Laboratory** and its implications.

Introduction:

Labs are performing centre stage for healthcare management and quality patient care where 60-70% of medical decisions are based on lab tests whether admission, diagnosis, prognosis, medication, or discharge. Proficiency testing is the evaluation of participant's performance against pre-established criteria by means of interlaboratory comparisons. Proficiency testing schemes vary according to the needs of the sector in which they are used, the nature of the proficiency test items, the methods in use and the number of participants. It may provide regular, objective and independent assessment of a participant's ability to provide an acceptable standard of service by comparison with peers. Thus, laboratory results are required to confirm the expectations for the quality required for patient care. It is also preferable that the competency of participating laboratory to be independently assessed through the process of laboratory accreditation. In order to appropriately validate the measurement capability of the participating laboratory, the uncertainty assigned to the artifact (PT item) by the reference laboratory should be sufficiently smaller than the expanded uncertainty reported by the participating laboratory. Thus, we developed a well constructed PT awareness cum training plan that will help the laboratory & PT providers to meet quality and accreditation requirements.

Objective:

The main objective will be building the capacity training of laboratory personal & medical laboratories to meet the quality and accreditation requirements associated to technical scope with cost effectiveness of processes. To reflect current scientific or medical issues important to healthcare with framework for interchange of knowledge and expertise.

Expected Outcome:

Proficiency testing training for medical laboratories aims to enhance technical skills, ensure compliance with standards, reduce errors, and foster a culture of continuous improvement. Expected outcomes include improved accuracy, accreditation readiness, enhanced patient care, and sustained quality management practices for long-term success.





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Conference Manager

GetSet

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