



We're excited to announce a diverse array of Biochemistry topics that will cater to all interests and provide valuable insights. Here's a glimpse into what you can expect:

There are free paper, award paper, Poster & the post graduate Quiz. So get ready to grab Prizes in above sessions. So post graduate students (& faculties too) on your marks, get set....

Some of the sessions that we can confirm are:

### A – Plenary

Session ID	Speaker	Topic
Pl -1	Prof. Sedef Yenice	Precision in Practice: Utilizing data driven decision making in Clinical Laboratories.
	Prof Rajiv Erasmus	Impact of Point of Care Testing on patient outcomes: Challenges & prevention of errors
	Prof Tahir Pillay	Practical consideration for performing Lipid Profiling in the assessment of Cardiovascular risk.
Pl-2	Dr Tejas Kalaria	The use of Machine Learning in analyzer error detection.
Pl -3	Prof. Sedef Yenice	Navigating the New Regulatory Landscape for laboratory developed tests.
	Prof Rajiv Erasmus	Leadership in Medical Laboratory for effective patient care.
	Prof Tahir Pillay	Challenges with Immunoassays: dealing with standardization, harmonization & interferences.
Pl-4	Dr Shivani Jaiswal	microRNAs: Potential as biomarkers of cancer diagnosis & prognosis.

### B- Panel Discussions

Session ID	Panel Discussion Theme	Panelists
PD-1	Optimize, Innovate and Sustain: Advancing Lab stewardship.	Dr Sudip Datta Dr Mithu Banerjee Dr Pramod Ingale Dr Branali Das Dr Animesh Bardoloi Dr Aparna Verma

PD-2	Auto-verification in clinical Laboratory: Boon or Bane	Dr. Yogesh Pawde, Dr. Puneeta Bhatia Dr. Nimmi Kansal Dr. Varsha Birla
PD-3	Inspiring the next generation of Medical Biochemists- Charting career course	Dr Shanti Naidu Dr. Puneet Nigam Dr. Bharati Uppal, Dr. Prashant Vishwanath Dr. Rajesh Jambhulkar

## C – Symposiums (S)

Session ID	Symposium Theme/Title	Speakers	Topic
S-1	Shaping the future of Medicine through research	Dr. Akila Prashant	The utility of animal models to unravel complex biochemical processes.
		Dr. Amandeep Singh	Looking into the Crystal Ball: How AI is Shaping the Future of Medical Research.
		Dr. Roma Rattan	How to write a research proposal
S-2	Immunology unlocked: Redefining diagnosis & Treatment.	Dr. S.K. Gupta	Trained Immunity- A new horizon.
		Dr Gitanjali,	Inflaming in Immunosenescence untold story
		Dr Rachita Nanda,	Identification of Possible Clinical Associations of Dense Fine Speckled Patterns
		Dr Seema Gupta	Advancements in Antigen-Antibody based diagnostic techniques.
S-3	Decoding the Genomic blueprint	Dr. Pratibha Mishra	Genome Sequencing Technologies: An Overview
		Lt Col Deeptika Agrawal,	Mutational Profiling of Thalassemia in Maharashtra
		Col Anurodh Gupta	Genomic landscape of Rare Genetic Disorders and some interesting cases.
S-4	Evolving Medical pedagogy	Dr. Sumitra G	Introduction to EPAs-How they differ from competencies and their relationship to CBME
		Dr. Sujata R	EPAs for MD Biochemistry curriculum
		Dr. Anita Chalak	Blueprinting in Assessment.
S-5	Taming Laboratory errors & path to NABL/ISO 15189: 2022 accreditation	Dr Sarvanan	1000+ Parts of Auto analyser-where things go wrong.
		Dr Malavika Barman	Interference in Laboratory testing and how advancements Laboratory technology help to tackle this perpetual problem.
		Mr Chandrakant Solanki	NABL accreditation & its benefits, NABL entry level Medical Testing M(EL)T program

S-6	From Lab to Clinic: Translational Cancer research.	Dr Rajarshri Kar	Primary culture of cancer cells for designing patient tailored therapy.
		Dr Shiba Ansari	Application of Nanotechnology in cancer management.
		Dr Edelbert Almeida UCMS Delhi	CRISPR-Cas system in cancer research and therapeutics.
S-7	Love thy Liver, Live longer	Dr Bulbul Purkait	Introduction- the Big picture: Nomenclatures of fatty liver disease, cracking the Genomic factors in MAFLD
		Dr Sanchayan Sinha	An oasis in the desert: Understanding the pathogenesis in MAFLD and MASLD
		Dr Priyanka Dutta	The Clues within: Non-invasive scores and serum Biomarkers for Fatty Liver in the Era of MAFLD
		Dr Soma Gupta	Genetic polymorphisms in patients with MAFLD : our experience.
		Dr. Anju Barhai	Gut Microbiome Dysbiosis in Non-Alcoholic Fatty Liver Disease: Insights from 16S RNA Metagenomic Sequencing.
S-8	Promising Perspectives - Personalized & precision Medicine	Dr Kiran Dahiya	Pharmacogenomics: An essential to Personalised Medicine
		Dr Ashuma Sachdeva	Precision Medicine: Biochemical Perspective.
		Dr Isha Malik	Future of Advanced Healthcare: Personalised Diagnostics.
S-9	The pursuit of Excellence in Laboratory Quality	Dr. Jaychandran	Mastering RCA and troubleshooting.
		Dr. Rashmi Dutta	Choosing Appropriate TEa for Analytical Sigma Metric Evaluation- and a troubleshooting road map for low sigma analytes.
		Dr. Vibha Uppal	Precision in practice: Navigating internal quality control in medical testing.
S-10	Beyond Basics - Biomarker & more	Dr. Dibyajyoti Banerjee,	Pseudoesterase Activity of Human Serum Albumin: Its importance in Tomorrow's clinical biochemistry practice.
		Dr. Suchitra M	Therapeutic targets of sub clinical atherosclerosis: The way forward for eradicating atherosclerotic events.
S-11	New Frontier of Prenatal and Neonatal Diagnostics	Dr Nandini Takalaki	Pre implantation genetic diagnosis- NIPT and Cell free DNA.
		Dr Suchi Goyal	New born screening
		Dr. Kshama Pimpalgaonkar	Maternal Screening: Software's and risk interpretation.

S-12	Cerebral Markers- A window into brain health	Dr Onjal k Taywade	Proposed title for scientific sessions talk "Decoding Traumatic Brain Injury: Neuronal Biomarkers for Early Prediction of Severity and Prognosis"
		Dr. Sarama Saha	Unveiling the molecular signature and potential mechanisms of depression in individuals with diabetes mellitus: An untargeted proteomics approach.
		Dr. Rebecca James	Epigenetic markers of brain development and disease
Diverse perspectives:		Dr Dnyanesh Amle	Quality indicators
		Dr Ashima Badyal	AI & the Biochemistry laboratory

### D. Group Discussion

Session ID	Theme/Title	Speakers	Topic
GD-1	Navigating the new CBME landscape	Dr. Kavitarati Dharwadkar Dr. Vilas Chavan Dr. Rachna Sabharwal Dr. Mainak Roy Dr. S.P. Mishra	Q&A session with NMC appointed members of CBME review committee for Biochemistry.

### E. Orations

By esteemed members of the association including one Presidential oration.

**Stay Tuned for More:** While we've shared some highlights, we're still finalizing the complete schedule and speaker lineup. Keep an eye out for updates and announcements.

We look forward to seeing you at AMBICON 2024!