



31ST ANNUAL CONFERENCE OF ASSOCIATION OF MEDICAL BIOCHEMISTS OF INDIA



A MBICON 2024

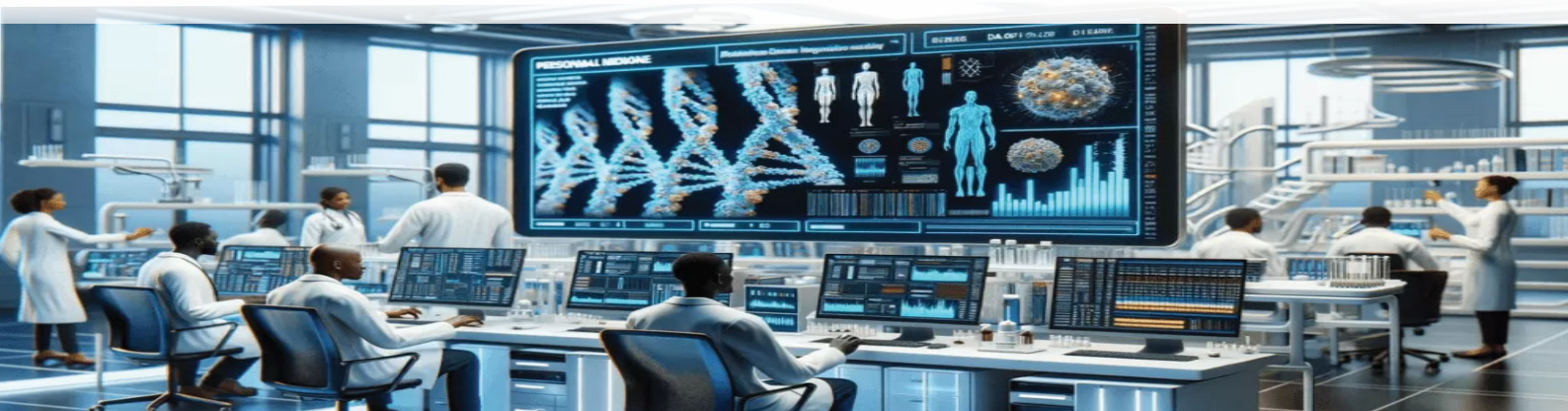
19TH 20TH 21ST December, 2024

THE FORUM - CONVENTION & CELEBRATION
CENTRE (CLUB 07), AHMEDABAD

THROUGH THE LENS OF A BIOCHEMIST:

ADVANCING **M**EDICINE. **B**REAKTHROUGH **I**NNOVATIONS.

SCIENTIFIC AGENDA





19TH 20TH 21ST December, 2024 | THE FORUM - CONVENTION & CELEBRATION CENTRE (CLUB 07), AHMEDABAD



GREETINGS

This December, UNESCO World Heritage City, Ahmedabad stands proud to host AMBICON 2024 - a brilliant congregation of doctors behind discoveries- the medical biochemist fraternity. An ode to the minds driving forth medical academia and research, AMBICON 2024 promises to highlight the contribution of biochemistry not only in deciphering disease and translating medical knowledge through pioneering innovations to improve patient care, but also into the spirit of continued medical inquest.

OUR THEME:

'Through the lens of a Biochemist: Advancing Medicine. Breakthrough Innovations' celebrates the said inquest. In this age of precision medicine, the biochemist is at the forefront, navigating complex pathways, exploring novel solutions. The integration emphasises biochemistry's critical role in shaping healthcare, from fundamental research to clinical applications, promising transformative impacts on global health. From benchtop to bedside, from molecules to medicine.

ABOUT THE HOST:

Welcome to the Land of Mohan; God and Gandhi- Garvi Gujarat. The world's tallest statue, The Statue of Unity at 182 m- speaks volumes about statesmanship and nationalism. Synonymous with the celebration of community spirit at its finest, is the world's longest dance festival- the vibrant Navratri with Garba in all its glory! Churning out thinkers and leaders alike, Gujarati land is home to Sorathi folklore, Kutchi music, Surati food, Patola textile, Barodian art to name a few. Ahmedabad- Gujarat's crown jewel is a UNESCO World Heritage City. The 600 year old city is rooted in cultural exchange and craftsmanship- country's first and finest IIM-A, The International Kite Festival, Gujarat University, NID, CEPT, Atal Bridge adorning the Sabarmati riverfront- tradition and progress go hand-in-hand here.

ABOUT THE VENUE:

Club 07, is a splendid city club with lush lawns and enthralling infrastructure. We promise learning with luxury alike.

AMBI Gujarat Chapter heartily invites you to be a part of the medical marvel about to be unraveled at AMBICON 2024.

Suswagatam!

AMBICON2024

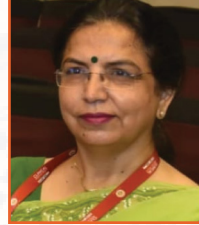




THE TEAM



Dr. S.M. Patel
Patron



Dr. Asha Khubchandani
Patron



Dr. Chandan Chakrabarti
Patron



Dr. Ramesh Pradhan
Organizing Secretary



Dr. Shilpa Jain
Joint Organizing Secretary



Dr. Kirankumar P. Chauhan
Joint Organizing Secretary



Dr. Chandrakant Kamariya
Chairperson
Scientific Committee



Dr. Piyush Tailor
Chairperson
Workshop Committee



Dr. Rosy Lekharu Pradhan
Chairperson
Cultural and Stage Committee



Dr. Sunil Patani
Chairperson
Finance Committee



Dr. Tejas J. Shah
Chairperson
Publication Committee



Dr. Mukeshkumar Gohel
Chairperson
Registration Committee



Dr. Mahesh Madole
Chairperson
Logistics Committee





19th 20th 21st December, 2024 | THE FORUM - CONVENTION & CELEBRATION CENTRE (CLUB 07), AHMEDABAD



Day: 1

19th December, 2024 (Thursday) | Hall: A

08:00AM - 09:00AM	Registration & Breakfast	
09:00AM - 09:30AM	Dr. C. Sita Devi Oration	
09:00AM - 09:30AM	Breaking the Shackles - Interference in Laboratory Testing and How Advancements in Laboratory Technology Helps to Tackle this Perpetual Problem	Dr. Malavika Barman (Guwahati)
09:30AM - 10:00AM	B. Sadasivudu Oration	
09:30AM - 10:00AM	Salivary Analysis: Advancing Non-Invasive Diagnostics for Systemic Diseases	Dr. Himanshu Madaan (Karnal)
10:00AM - 11:00AM	IFCC Visiting Lecturer Program Session – 1	
10:00AM - 10:20AM	Precision in Practice: Utilizing Data Driven Decision Making in Clinical Laboratories	Prof. Sedef Yenice (Turkey)
10:20AM - 10:40AM	Impact of Point of Care Testing on Patient Outcomes: Challenges & Prevention of Errors	Prof. Rajiv Erasmus (South Africa)
10:40AM - 11:00AM	Practical Consideration for Performing Lipid Profiling in the Assessment of Cardiovascular Risk	Prof. Tahir Pillay (South Africa)
11:00AM - 11:30AM	Dr. S. Gopalkrishnan Association Oration	
11:00AM - 11:30AM	Outcome of Studies of ECG and Biochemical Changes in Primary Hypothyroidism	Dr. Biswajit Saha (Tripura)
11:30AM - 11:40AM	Tea Break	
11:40AM - 12:30PM	Inauguration	
12:30PM - 01:00PM	Dr. Akhouri S. S. Sinha Presidential Oration	
12:30PM - 01:00PM	Quizzes and Games in Teaching Learning of Biochemistry: Who says Learning Cannot be Fun?	Dr. Ramesh Pradhan (Ahmedabad)
01:00PM - 02:00PM	Lunch	
02:00PM - 02:30PM	Plenary	
02:00PM - 02:30PM	Unlocking Non-Invasive Diagnostics: Role of miRNA as Potential Biomarkers for Cancer Diagnosis and Prognosis	Dr. Shivani Jaswal (Chandigarh)
02:30PM - 03:00PM	Panel Discussion 1	
02:30PM - 03:00PM	Optimize, Innovate, Sustain: Advancing Lab Stewardship	Dr. Sudip Datta (New Delhi) Dr. Mithu Banerjee (Jodhpur) Dr. Barnali Das (Mumbai) Dr. Animesh Bardoloi (Guwahati) Dr. Aparna Verma (Hyderabad)



19th 20th 21st December, 2024 | THE FORUM - CONVENTION & CELEBRATION CENTRE (CLUB 07), AHMEDABAD



Day: 1

19th December, 2024 (Thursday) | Hall: A

03:00PM - 03:30PM	Panel Discussion 2	
03:00PM - 03:30PM	Auto-verification in clinical Laboratory: Boon or Bane	Dr. Pramod Ingale (Mumbai) Dr. Yogesh Pawade (Mumbai) Dr. Varsha Birla (Mumbai) Dr. Anjali Manocha (New Delhi)
03:30PM - 04:30PM	Symposium 1 - Shaping the Future of Medicine: Innovations in Medical Research	
03:30PM - 03:50PM	The Utility of Animal Models to Unravel Complex Biochemical Processes	Dr. Akila Prashant (Mysuru)
03:50PM - 04:10PM	Looking into the Crystal Ball: How AI is Shaping the Future of Medical Research	Dr. Amandeep Singh (Bengaluru)
04:10PM - 04:30PM	How to Write a Research Proposal	Dr. Roma Rattan (Bhubaneswar)
04:30PM - 05:30PM	Executive Body Meeting - Council Room	
06:30PM Onwards	Cultural program followed by dinner	

19th December, 2024 (Thursday) | Hall: B

09:00AM - 03:30PM	Sessions in Hall A	
03:30PM - 04:30PM	Symposium 2 - Taming Laboratory Errors & the Path to NABL/ISO 15189:2022 Certification	
03:30PM - 03:50PM	1000+ Parts of Auto analyser-where things go wrong	Dr. M. P. Saravanan (Chennai)
03:50PM - 04:10PM	NABL accreditation & its benefits, NABL entry level Medical Testing M(EL)T program	Mr. Chandrakant Solanki (Ahmedabad)
04:10PM - 04:30PM	Implementation of ISO 15189:2022 In POCT	Dr. Jayesh Warade (Madurai)
04:30PM - 05:30PM	Oral Paper Faculty Session 1 - Lab Total Quality Management and Recent Advances	
06:30PM Onwards	Cultural program followed by dinner	



19th 20th 21st December, 2024 | THE FORUM - CONVENTION & CELEBRATION CENTRE (CLUB 07), AHMEDABAD



Day: 1

19th December, 2024 (Thursday) | Hall: C

09:00AM - 03:30PM	Sessions in Hall A	
03:30PM - 04:30PM	Symposium 3 - Decoding The Genetic Blueprint (AMBI - AFMC Symposium)	
03:30PM - 03:50PM	Genomic Landscape of Rare Genetic Disorders and Interesting Cases	Col. Pratibha Mishra (New Delhi)
03:50PM - 04:10PM	Mutational Profiling of Thalassemia in Maharashtra	Lt. Col. Deeptika Agrawal (Pune)
04:10PM - 04:30PM	Genomic Landscape of Rare Genetic Disorders and Some Interesting Cases	Col. Anurodh Gupta (Pune)
04:30PM - 05:30PM	Oral Paper Faculty Session 2 - Clinical Omics	
06:30PM Onwards	Cultural program followed by dinner	

19th December, 2024 (Thursday) | Hall: D

09:00AM - 03:30PM	Sessions in Hall A	
03:30PM - 04:30PM	Symposium 4 - From Lab to Clinic: Translational Cancer Research	
03:30PM - 03:45PM	Primary Culture of Cancer Cells for Designing Patient Tailored Therapy	Dr. Rajashri Kar (New Delhi)
03:45PM - 04:00PM	Application of Nanotechnology in Cancer Management	Dr. Shiba Ansari (New Delhi)
04:00PM - 04:15PM	CRISPR-Cas System in Cancer Research and Therapeutics	Dr. Edelbert Almeida (New Delhi)
04:15PM - 04:30PM	Role of Exosomes in Liquid Biopsy	Dr. Anubhuti Chitkara (New Delhi)
04:30PM - 05:30PM	Free Paper Residents Session 1 - Clinical Omics and Cancer Diagnostics	
06:30PM Onwards	Cultural program followed by dinner	

19th December, 2024 (Thursday) | Hall: E

09:00AM - 03:30PM	Sessions in Hall A	
03:30PM - 04:30PM	Oral Paper Faculty Session 3 - Lifestyle Diseases	
04:30PM - 05:30PM	Free Paper Residents Session 2 - Lifestyle Diseases	
06:30PM Onwards	Cultural Program Followed by Dinner	



Day: 1

19th December, 2024 (Thursday) | Poster Presentation

01:00PM - 02:00PM	POSTER WALK
03:30PM - 04:30PM	Poster Presentation Area
03:30PM - 03:50PM	PPR 1 / PPR 2 / PPR 3
06:30PM Onwards	Cultural program followed by dinner



19TH 20TH 21ST December, 2024 | THE FORUM - CONVENTION & CELEBRATION CENTRE (CLUB 07), AHMEDABAD



Day: 2

20th December, 2024 (Friday) | Hall: A

08:00AM - 09:00AM	Registration & Breakfast	
09:00AM - 09:30AM	Dr. Sheela Devi Kodliwadmath Oration	
09:00AM - 09:30AM	Innovative Breakthrough Screening of Early Hepatic Cancer: GALAD vs HES-V2 Serum Biomarker Model	Dr. Shilpa Jain (Bathinda)
09:30AM - 10:00AM	Panel Discussion 3 - Inspiring the Next Generation of Medical Biochemists – Charting Career Course	Moderator: Dr. Bharti Uppal (Solun)
09:30AM - 10:00AM		Panelists: Dr. Shanti Naidu (Hyderabad) Dr. Puneet Nigam (New Delhi) Dr. Prashant Vishwanath (Mysuru) Dr. Rajesh Jambhulkar (Jalgaon)
10:00AM - 11:00AM	IFCC Visiting Lecturer program Session – 2	
10:00AM - 10:20AM	Navigating the New Regulatory Landscape for laboratory developed tests	Prof. Sedef Yenice (Turkey)
10:20AM - 10:40AM	Leadership in Medical Laboratory for effective patient care	Prof. Rajiv Erasmus (South Africa)
10:40AM - 11:00AM	Challenges with Immunoassays: Dealing with tandardization, harmonization & interferences	Prof. Tahir Pillay (South Africa)
11:00AM - 11:10AM	Tea Break	
11:10AM - 11:40AM	Plenary 2	
11:10AM - 11:40AM	The Use of Machine Learning in Analyser Error Detection	Dr. Tejas Kalaria (United Kingdom)
11:40AM - 12:40PM	The Use of Machine Learning in Analyser Error Detection	
11:40AM - 12:00PM	Pre implantation genetic diagnosis-NIPT and Cell free DNA	Dr. Nandini Takkalaki (Vijaypur)
12:00PM - 12:20PM	New born screening	Dr. Suchi Goyal (Udaipur)
12:20PM - 12:40PM	Maternal Screening: Softwares and Risk Interpretation	Dr. Kshama Pimpalgaonkar (Mumbai)
12:40PM - 01:10PM	Group Discussion	Moderator: Dr. Rosy Lekharu (Ahmedabad)
12:40PM - 01:10PM	Navigating the new CBME landscape	Panelists: Dr. Kavitarati Dharwadkar (Indore) Dr. Vilas Chavan (Surat) Dr. Rachna Sabharwal (Jammu) Dr. S. P. Mishra (Varanasi) Dr. Mainak Roy (Jorhat)



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Day: 2

20th December, 2024 (Friday) | Hall: A

01:10PM - 01:30PM	Corporate Session 1	
01:30PM - 02:00PM	Lunch	
02:00PM - 02:30PM	Corporate Session 2	
02:30PM - 03:30PM	General Body Meeting AMBI	
03:30PM - 04:30PM	Symposium 9 - The Pursuit of Excellence in Laboratory Quality - I	
03:30PM - 03:50PM	Mastering RCA and troubleshooting	Dr. G. Jeyachandran (Coimbatore)
03:50PM - 04:10PM	Choosing Appropriate TEa for Analytical Sigma Metric Evaluation- and a Trouble Shooting Road Map for Low Sigma Analytes	Dr. Rashmi Rasi Datta (New Delhi)
04:10PM - 04:30PM	Precision in Practice: Navigating Internal Quality Control in Medical Testing	Dr. Vibha Uppal (New Delhi)
04:30PM - 05:30PM	Symposium 13 - The Pursuit of Excellence in Laboratory Quality Part II	
04:30PM - 04:50PM	From Tube to Test: Unveiling the Secrets of Quality Verification in Blood Collection Tubes for Clinical Biochemists	Dr. C. Shanmugapriya (Chennai)
04:50PM - 05:10PM	Accreditation of a Government Hospital Laboratory - Navigating the Challenges Faced in the Process	Dr. Firdushi Begum (Guwahati)
05:10PM - 05:30PM	Role of Quality Indicators in clinical laboratory & their analysis	Dr. Dnyanesh Amle (Nagpur)
08:00PM Onwards	Banquet	



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Day: 2

20th December, 2024 (Friday) | Hall: B

08:00AM - 09:00AM	Registration & Breakfast	
09:00AM - 11:40AM	Sessions in Hall A	
11:40AM - 12:40PM	Symposium 6 - Immunology Unlocked: Redefining Diagnosis and Treatment	
11:40AM - 11:55AM	Trained Immunity - A New Horizon	Dr. S. K. Gupta (New Delhi)
11:55AM - 12:10PM	Inflammaging in Immune-Senescence: Untold Story	Dr. Gitanjali (Bathinda)
12:10PM - 12:25PM	Identification of Possible Clinical Associations of Dense Fine Speckled Patterns	Dr. Rachita Nanda (Raipur)
12:10PM - 12:25PM	Advancements in Antigen-Antibody Based Diagnostic Techniques	Dr. Seema Gupta (Chandigarh)
12:40PM - 01:30PM	Oral Paper Faculty Session 4	
	Immunology and Infectious Diseases	
01:30PM - 02:00PM	Lunch	
02:00PM - 02:30PM	Corporate Session 3	
03:30PM - 04:30PM	Symposium 10 - Beyond Basics – Biomarker and More	
03:30PM - 03:45PM	Pseudoesterase Activity of Human Serum Albumin: Its Importance in Tomorrow's Clinical Biochemistry Practice	Dr. Dibyajyoti Banerjee (Chandigarh)
03:45PM - 04:00PM	Therapeutic Targets of Sub-Clinical Atherosclerosis: The Way Forward for Eradicating Atherosclerotic Events	Dr. Suchitra M. M (Tirupati)
04:00PM - 04:15PM	Advances in Diabetes Diagnosis: Emerging Biomarkers	Dr. Ashima Badyal (Jammu)
04:15PM - 04:30PM	Non Fasting Lipid Profile: New Guidelines	Dr. Amita Yadav (New Delhi)
04:30PM - 05:30PM	Oral Paper Faculty Session 7 - Newer Markers	
08:00PM Onwards	Banquet	



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Day: 2

20th December, 2024 (Friday) | Hall: C

08:00AM - 09:00AM	Registration & Breakfast	
09:00AM - 11:40AM	Sessions in Hall A	
11:40AM - 12:40PM	Love Thy Liver, Live Longer	
11:40AM - 11:52AM	Introduction the Big Picture: Nomenclatures of Fatty Liver Disease, Cracking the Genomic actors in MAFLD	Dr. Bulbul Purkait (Murshidabad)
11:52AM - 12:04PM	An Oasis in the Desert: Understanding the Pathogenesis in MAFLD and MASLD	Dr. Sanchayan Sinha (Kolkata)
12:04PM - 12:16PM	The Clues Within: Non-Invasive Scores and Serum Biomarkers for Fatty Liver in the Era of MAFLD	Dr. Priyanka Datta (Kolkata)
12:16PM - 12:28PM	Genetic Polymorphisms in Patients with MAFLD: Our Experience	Dr. Soma Gupta (Kolkata)
12:28PM - 12:40PM	Gut Microbiome Dysbiosis in NAFLD: Insights from 16S RNA Metagenomic Sequencing	Dr. Anju Barhai (Jorhat)
12:40PM - 01:30PM	Free Paper Residents Session 3 Miscellaneous and Medical Education	
01:30PM - 02:00PM	PG Quiz Screening	
02:00PM - 02:30PM	Corporate Session 3	
03:30PM - 04:30PM	Corporate Session 4	
03:30PM - 04:30PM	Symposium 11 - The Future of Medicine: Personalized and Precise	
03:30PM - 03:50PM	Pharmacogenomics: An essential to Personalised Medicine	Dr. Kiran Dahiya (Rohtak)
03:50PM - 04:10PM	Precision Medicine: Biochemical Perspective	Dr. Ashuma Sachdeva (Rohtak)
04:10PM - 04:30PM	Future of Advanced Healthcare: Personalised Diagnostics	Dr. Isha Malik (Rohtak)
04:30PM - 05:30PM	Oral Paper Faculty Session 8 - Nutrition and Miscellaneous	
08:00PM Onwards	Banquet	



19TH 20TH 21ST December, 2024 | THE FORUM - CONVENTION & CELEBRATION CENTRE (CLUB 07), AHMEDABAD



Day: 2

20th December, 2024 (Friday) | Hall: D

08:00AM - 09:00AM	Registration & Breakfast	
09:00AM - 11:40AM	Sessions in Hall A	
11:40AM - 12:40PM	Symposium 8 - Evolving Medical Pedagogy	
11:40AM - 12:00PM	Introduction to EPAs-How they Differ from Competencies and their Relationship to CBME	Dr. Sumitra G (Coimbatore)
12:00PM - 12:20PM	EPAs for MD Biochemistry Curriculum	Dr. Sumitra G (Coimbatore)
12:20PM - 12:40PM	Blueprinting in Assessment	Dr. Anita Chalak (Mumbai)
12:40PM - 01:30PM	Oral Paper Faculty Session 5 Medical Education	
01:30PM - 02:00PM	Lunch	
02:00PM - 02:30PM	Corporate Session 5	
03:30PM - 04:30PM	Symposium 12 - Cerebral Markers – A Window Into Brain Health	
03:30PM - 03:50PM	Decoding Traumatic Brain Injury: Neuronal Biomarkers for Early Prediction of Severity and Prognosis	Dr. Onjal K Taywade (Bilaspur)
03:50PM - 04:10PM	Unveiling the Molecular Signature and Potential Mechanisms of Depression in Individuals with Diabetes Mellitus: An Untargeted Proteomics Approach	Dr. Sarama Saha (Rishikesh)
04:10PM - 04:30PM	Epigenetic Markers of Brain Development and Disease	Dr. Rebecca James (Kozhikode)
04:30PM - 05:30PM	Free Paper Residents Session 5 - Lab Total Quality Management	
08:00PM Onwards	Banquet	



19th 20th 21st December, 2024 | THE FORUM - CONVENTION & CELEBRATION CENTRE (CLUB 07), AHMEDABAD



Day: 2

20th December, 2024 (Friday) | Hall: E

08:00AM - 09:00AM	Registration & Breakfast
09:00AM - 11:40AM	Sessions in Hall A
11:40AM - 12:40PM	"Oral Paper Faculty Session 6 Hormonal Harmony (Endocrinology)"
12:40PM - 01:30PM	Free Paper Residents Session 4 Hormonal Harmony (Endocrinology)
01:30PM - 02:00PM	Lunch
03:30PM - 04:30PM	Free Paper Residents Session 6 - Newer Markers
04:30PM - 05:30PM	Free Paper Residents Session 7 - Immunology and Infectious Diseases and Medical Education
08:00PM Onwards	Banquet

20th December, 2024 (Friday) | Poster Area

11:40AM - 12:40PM	Poster Presentation Faculty PPF 1 PPR 4 PPR 5
12:40PM - 01:30PM	Free Paper Residents Session 4
12:40PM - 01:30PM	Hormonal Harmony (Endocrinology)
01:30PM - 02:00PM	POSTER WALK
03:30PM - 04:30PM	Poster Presentation Faculty PPR 2
03:30PM - 04:30PM	PPR 6 PPR 7
08:00PM Onwards	Banquet



19th 20th 21st December, 2024 | THE FORUM - CONVENTION & CELEBRATION CENTRE (CLUB 07), AHMEDABAD



Day: 3

21st December, 2024 (Saturday) | Hall: A

08:00AM - 09:00AM | Registration & Breakfast

09:00AM - 09:40AM | CMC Ludhiana PG Quiz

Quiz team : Dr. Pramod Ingale, Dr. Ramesh Pradhan, Dr. Debapriya Rath,
Dr. Vinay Upadhyay, Dr. Pooja Rai, Dr. Shubhangi Rathod

09:40AM - 11:10AM | Dr. A. S. Saini Oration Award - Mass spectrometry in clinical Laboratory – Where to from here?

Dr. Mahesh Hampe (Bangalore)

11:10AM - 12:30PM | Award Papers

12:30PM - 01:30PM | Valedictory

01:30PM - 02:30PM | Lunch