

7th Edition

Microfluidics and

LAB-ON-A-CHIP INDIA

April 30 - May 1, 2026 • 2:00 pm to 6:00 pm IST

Online

#MLC26

Pharmaceutical • Bioorganic • Analytical • Diagnostics

Microfluidics and Lab-on-a-Chip (MLC26)

30 Apr 2026 - 01 May 2026

CONFERENCE PROGRAMME**Thursday, 30th April 2026**

14:00	Inauguration
14:05	Welcome Address Sanjay Bajaj , CEO & MD , Glostem Private Limited , India
14:10	Address by the Chief Guest Shantanu Bhattacharya , Director , CSIR-Central Scientific Instruments Organisation , India
14:20	Session 1: FOUNDATIONS OF MICRO & NANOFUIDICS: ENGINEERING & SCALABLE FABRICATION TECHNOLOGIES
14:25	Integrated Lab-on-Chip Architectures for Point-of-Care Bio and Environmental Sensing Satish Kumar Dubey , Associate Professor, Mechanical Engineering , BITS Pilani, Hyderabad , India
14:45	Next-Gen Materials and Processes for Fabrication of Microfluidics-based Devices Harald Denz , Owner and CEO , DENZ BIO-Medical GmbH , Austria
15:05	Translating Electronic Field Effect Transistors from Lab to Practice Chirasree Roy Chaudhuri , Associate Dean, Consultancy Professor , Indian Institute of Engineering Science and Technology, Shibpur , India
15:25	Development of Innovative Point-of-Care Microdevices Amit Agrawal , Professor, Mechanical Engineering , Indian Institute of Technology Bombay , India
15:45	Session 2: FRONTIER CHEMISTRY: BIOORGANIC, MEDICINAL, AND SYNTHETIC CHEMISTRY USING MICROFLUIDICS
15:50	Microfluidic synthesis:-Application in Medicinal and Synthetic Chemistry Gary Tarver , Site Head , Chemveda Life Sciences , United Kingdom
16:10	Microfluidics as a Scalable Strategy for Continuous-Flow Chemical Synthesis Paul Watts , Research Chair in Microfluidic Bio/Chemical Processing , Nelson Mandela University , South Africa

16:30	Machine Learning Meets Microfluidics: Rapid Optimisation of Continuous-Flow API Synthesis Clodius Ray Sagandira , Principal Researcher , Council for Scientific and Industrial Research , South Africa
16:50	Session 3: THE MICROFLUIDICS INNOVATION ECOSYSTEM 1
16:55	High Content Screening in Microfluidic Devices Amit Bhat , Business Development Manager , Molecular Devices , India
17:10	Microfluidic device fabrication using soft lithography Devendra Rawat , National Sales Manager , SIMCO Global Technology & Systems , India
17:25	Digital Posters 1-10

Friday, 1st May 2026

14:00	Session 4: DIAGNOSTICS, BIOSENSORS, AND BIOMEDICAL MICROFLUIDIC DEVICES
14:05	From Lab to Clinical Trial: Lateral Flow Prototyping for Childhood Diarrhea and Sepsis, and Modified Microfluidic Systems for Particle Engineering Amit Asthana , Professor and Head, Pharmaceutical Analysis , NIPER Hyderabad , India
14:25	Designing wearable sweat sensors - bioinspired approaches Siddhartha Panda , Professor, Chemical Engineering , Indian Institute of Technology Kanpur , India
14:45	Emerging Microfluidics: Applications in Energy and Healthcare Bhanu Prakash , Scientist E (Associate Professor) & Group Leader, Microfluidics Research Laboratory , Institute of Nano Science & Technology , India
15:05	Session 5: PRECISION ANALYSIS USING MICROFLUIDICS: BIO-ANALYTICAL SYSTEMS & OMICS
15:10	Sensors & Remediation for Environment Monitoring; A step towards Sustainability Suman Singh , Scientist-F , CSIR-Central Scientific Instruments Organisation , India
15:30	Frugal Microfluidics for Public Health: Rapid Detection of Ethanol Content and Food Adulterants Naresh Kumar Mani , Professor, Biotechnology , Manipal Academy of Higher Education, Manipal , India
15:50	Session 6: DRUG DEVELOPMENT AND DEVELOPMENT OF DELIVERY SYSTEMS
15:55	Tuning microreactor synthesised quantum dots for targeted imaging and delivery Dhananjay Bodas , Scientist , MACS - Agharkar Research Institute , India
16:15	Programmable ultrasonic fields enhances intracellular delivery in cell clusters Ashis Kumar Sen , Professor, Mechanical Engineering , Indian Institute of Technology Madras , India
16:35	Design and Fabrication of Micro Array Batch for transdermal painless vaccine/drug delivery platform Tarun Kanti Bhattacharyya , Institute Chair Professor , Indian Institute of Technology Kharagpur , India
16:55	Session 7: THE MICROFLUIDICS INNOVATION ECOSYSTEM 2

17:00	Bridging Engineering and Scalable Manufacturing of Micro- and Nanofluidic Systems for Advanced Biomedical Diagnostics Ragavendran Sivakumarasamy , CEO & Founder , Point-of-Care Microfluidics Private Limited , India
17:15	Advance your Single cell Lab on Chip for successful omics application Manjunath Siddaramaiah , Diagnostics and Genomics Senior FAS - APAC , Cytiva , India
17:30	Digital Posters 11-20
18:25	Closing Remarks Sanjay Bajaj , CEO & MD , Glostem Private Limited , India