



TransMATTER 2026

International Conference on
Transforming Medical science and Technology through Tissue Engineering & Regenerative medicine 2026



Program Schedule

Registration & Kit distribution: 4th September, 4-9 pm, 5th-6th September, 8 am-6 pm, (Gargi-Maitreyee Foyer)

Day 0: 4th September 2026

19:30 -21:00	Inaugural Session (Kalidas Auditorium): Speech by: Director IIT KGP; President STERMI; Convener; Dean OR, IR, BTBS
21:00 -22:30	Welcome Dinner (Gargi -Maitreyee Foyer)

Day 1: 5th September 2026

7:30 - 9:00	Breakfast (Gargi -Maitreyee Foyer)				
09:00-09:50	Plenary Session: Prof. Michael Gelinsky Professor and Head, Centre for Translational Bone, Joint and Soft Tissue Research, TU Dresden, Germany (Kalidas Auditorium) Session chairs: Prof. Sudipta Seal and Prof. Soumen Das				
09:50 -10:20	Keynote lecture: Prof. Zong Hong Lin Vice Chair & Professor at Department of Biomedical Engineering National Taiwan University (NTU) (Kalidas Auditorium) Session chairs: Prof. Sudipta Seal and Prof. Soumen Das				
10:20 -11:10	Plenary Session: Prof. Takeuchi Shoji Project Professor Department of Mechanical and Biofunctional Systems University of Tokyo (Kalidas Auditorium) Session chairs: Prof. Kunal Mitra and Dr. Pallab Dutta				
11:10 -11:30	Coffee Break and Starting of Poster session: (Vikramshila Foyer)				
	Session: 1 Gene and stem cell therapeutics in Regeneration (Gargi Hall) Session Chairs: Dr. Soumendranath Ray & Dr. Prafulla Chandra Shukla	Session: 2 Biomedical devices and Regeneration (Maitreyee Hall) Session Chairs: Prof. Falguni Pati & Dr. Subhasmoy Mandal	Session: 3 Dermal tissue engineering (V4 hall) Session Chairs: Dr. Poulami Ghosh & Debasis Chakrabarti		
11:30 -12:00	Keynote lecture: Prof. Sanku Mallik Professor Associate Dean of Research South Dakota State University, USA	Keynote lecture: Prof. Kunal Mitra Professor Florida Institute of Technology	Keynote Lecture: Prof. Vignesh MuthuVijayan Professor, Department of Biotechnology IIT Madras		
12:00 -12:20	Invited Lecture: Dr. Sujata Mohanty Professor, Stem Cell Facility All India Institute of Medical Sciences, New Delhi	Invited Lecture: Prof. Navin Kumar Professor & Head Department of Mechanical Engineering and Biomedical Engineering Indian Institute of Technology Ropar	Invited Lecture: Dr. Indranil Banerjee Associate Professor Department of Bioscience and Bioengineering IIT Jodhpur		
12:20 -12:40	Invited Lecture: Dr. Naresh Kasoji Scientist-D & Deputy Head of the Division of Tissue Culture Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST)	Invited Lecture : Prof. Subha Narayan Rath Professor Department of Biomedical Engineering Indian Institute of Technology (IIT) Hyderabad	Invited Lecture: Dr. Ananya Barui Assistant Professor Centre for Healthcare Science and Technology HIST Shilpur, Howrah		
12:40 -13:00	Oral Presentation: Maruthu Pandian A CSIR - CLRI	Oral Presentation: (Young Researcher) Dr. Anwesha Mukherjee IIT ROPAR	Invited Lecture: Dr. Saralashrita Mohanty Scientific Officer-E School of Physical Sciences National Institute of Science Education and Research (NISER), Bhubaneswar	Industry Talk: Himedia	
13:00 -13:20	Industry Talk: Dr. Rajarshi Pal Co-Founder & Chief Scientist, Eysstem Research G-CAMP, Bengaluru		Oral Presentation : Amit Ghosh IIT Hyderabad	Oral Presentation: Monalisa Jena NIPER Ahmedabad	Oral Presentation: Dr. Shubha Rani Sharma Birla Institute of Technology
13:20 -14:30	Lunch Break (Vikramshila Foyer)				
	Session: 4 Infection and inflammation control in Tissue Engineering (Gargi Hall) Session chairs: Prof. Subha Narayan Rath & Dr. Gayatri Mukherjee	Session: 5 Nanotechnology in Tissue Engineering (Maitreyee Hall) Session Chairs: Prof. N. C. Das & Dr. Subhasis Rana	Session: 6 Organ Bio-printing (V4 hall) Session Chairs: Prof. Kaushik Chatterjee & Dr. Shivendu Ranjan		
14:30 -15:00	Keynote Lecture: Dr. Piyali Basak Head and Associate Professor, School Of Bio-Science and Engineering, Jadavpur University	Keynote Lecture: Prof. S. Balakumar Lab Head, National Centre for Nanoscience and Nanotechnology Prof and Head, Dept of Bioinformatics University of Madras	Keynote Lecture: Prof. Biman B Mandal Professor Department of Biosciences and Bioengineering, IIT Guwahati		
15:00 -15:20	Invited Lecture: Dr. Sanjay Bhattacharya Consultant in Microbiology; Director, Laboratory Services Tata Medical Center, Kolkata	Invited Lecture: Dr. Pradip Paik Professor School of Biomedical Engineering IIT BHU	Invited Lecture: Prof. Falguni Pati Head & Professor Department of Biomedical Engineering, IIT Hyderabad		
15:20 -15:40	Invited Lecture: Dr. Bodhisatwa Das Assistant Professor Department of Bio-Medical Engineering, IIT Ropar	Invited Lecture: Prof. Jyotsnendu Giri Professor Department of Biomedical Engineering IIT Hyderabad	Industry Talk: NBIL (30 min)		
15:40 -16:00	Invited Lecture: Dr. Durba Pal Associate Professor Department of Biomedical Engineering, IIT Ropar	Invited Lecture: Dr. Amit Jaiswal Professor School of Biosciences and Bioengineering IIT Mandi			
16:00 -16:20	Oral Presentation: Dr. Renjith P Nair SCTIMST, Thiruvananthapuram	Oral Presentation: Pavan Gutti Vellore Institute of Technology	Invited Lectur: Dr. Pallab Dutta Assistant Professor Department of Pharmaceutics NIPER, Kolkata	Oral Presentation (Young Researcher) Dr. Atul Ojha, UCD Dublin	Oral Presentation: Krishnamoora Sajayan NIPER, Kolkata
16:20 -16:30	Oral Presentation: Saurav Kumar Indian Institute of Technology Mandi		Oral Presentation: Niranjan Chatterjee IIT Kanpur	Oral Presentation: Ankita Negi IIT Mandi	
16:30-17:00	Coffee Break and Poster session (Vikramshila Foyer)				
17:00-17:30	Keynote lecture: Prof. Sudipta Seal Professor and Department Chair Department of Materials Science and Engineering UCF (Kalidas Auditorium) Session Chairs: Prof. Sanku Mallik & Prof. Koyel Chowdhury				
17:30-18:15	STERMI GBM (Gargi Auditorium)	Panel Discussion: The Innovation Dilemma: Balancing Speed, Ethics, and Patient Safety for Tissue Engineered Medical Devices (Maitreyee Hall) Mordarator : Dr. Abhay Gaidhane			
18:15-18:45	Felicitation program for Distinguished Ex-Professors (Kalidas Auditorium)				
18:45 -19:45	Cultural program (Kalidas Auditorium)				
20:00-22:30	Gala Dinner (Vikramshila Foyer)				



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Day 2: 6th September 2026

07:30 - 9:00	Breakfast (Gargi-Maitreyee Foyer)			
09:00 -09:40	Plenary Session: Prof. Abhay Pandit Associate Professor Director of the Center for Research in Medical Devices (CÚRAM) Professor of Biomaterials at the National University of Ireland, Galway (Kalidas Auditorium) Session Chairs: Prof. Biman Mandal & Prof. Ramkrishna Sen			
09:40-10:10	Keynote lecture: Prof. Suman Chakraborty Director, IIT Kharagpur (Kalidas Auditorium) Session chairs: Pro. Kunal Mitra & Dr. Abhay Gaidhane			
	Session: 7 Drug delivery and therapeutics (Gargi Hall) Session Chairs: Prof. Kaladhar Kamalasa & Dr. Debasish De	Session: 8 Scaffold engineering and Therapeutics (Maitreyee Hall) Session Chairs: Prof. Goutam Saha & Dr. Satadal Ghorai	Session: 9 Regenrative Mechanobiology (V4) Session Chairs: Dr. Anil, P. R. & Prof. Soumya De	
10:10- 10:30	Keynote lecture: Prof. Mohiuddin Quadir Associate Professor Burnett School of Biomedical Sciences College of Medicine University of Central Florida	Invited Lector: Dr. Kausik Kapat Assistant Professor Department of Medical Devices NIPER Kolkata	Keynote lecture: Prof. Pen-Hsiu Grace Chao Professor Department of Biomedical Engineering, National Taiwan University (NTU)	
10:30- 10:50	Invited Lecture: Prof. Debasish Mishra Professor Department of Biotechnology, SBST VIT, Vellore	Invited Lector: Dr. Surjendu Maity Assistant Professor Department of Chemical Engineering IIT Kharagpur	Invited Lecture: Dr. Sreenath Balakrishnan Assistant Professor, IIT GOA	
10:50- 11:10	Invited Lecture: Prof. Biswajit Mukherjee Professor & Former Head Department of Pharmaceutical Technology Jadavpur University	Oral Presentation: (Young Researcher) Preethi Arul Marugan IISc Bangalore	Oral Presentation: Saurav Kumar Indian Institute of Technology Mandi	Oral Presentation: Anwesha Barua Indian Institute of Science
11:10-11:30	Coffee Break and Starting of Poster session: (Vikramshila Foyer)			
	Session: 10 Drug delivery systems (Gargi Hall) Session Chairs: Prof. Mohiuddin Quadir & Prof. Kinsuk Naskar	Session: 11 Biomechanics (Maitreyee Hall) Session Chairs: Prof. Navin Kumar & Dr. Dibashree Guha Audhya	Session:12 Tissue healing and Nanobiotechnology (V4) Session Chairs: Dr. Bodhisatwa Das & Dr. Gourchand Dutta	
11:30- 11:50	Keynote lecture: Prof. Sagar Pal Professor Department of Chemistry and Chemical Biology IIT(ISM) Dhanbad	Keynote lecture: Prof. Amit Roy Chowdhury Professor Department of Aerospace Engineering and Applied Mechanics, IEST Shibpur	Keynote Lecture: Dr. Mrinal Kanti MUSIB Senior Lecturer Department of Biomedical Engineering National University of Singapore	
11:50- 12:10	Invited Lecture: Dr. Garima agrawal Associate Professor School of Chemical Sciences, IIT Mandi	Invited Lecture: Dr. Abir Dutta Assistant Professor Department of Mechanical Engineering at the IIT Tirupati	Invited Lecture: Dr. Neha Arya Associate Professor, Translational Medicine, AIIMS Bhopal	
12:10- 12:30	Industry Talk: Mr. Milan Ganguly General Manager, Serum Institute India Pvt. Ltd.	Oral Presentation: (Young Researcher) Rahul Deka IIT Guwahati	Oral Presentation: Sandeep Choudhury IEST Shibpur	Invited Lecture: Dr. Sneha Singh Assistant Professor, Birla Institute of Technology Mesra, Ranchi
12:30-12:50	Oral Presentation: KULDIP GHOSH University of Kalyani	Oral Presentation: Rajat Dadhech IIT Guwahati	Industry Talk : SAANS	Oral Presentation: Moumita Chanda IIT Kanpur
12:50- 13:10			Industry Talk : Instron	Oral Presentation : Asha Dahiya BITS PILANI
13:00- 14:00	Lunch Break (Vikramshila Foyer)			
14:00- 14:50	Plenary Session: Prof. Lorenzo Moroni Scientific Director MERLIN Institute for Technology-Inspired Regenerative Medicine Full Professor of Biofabrication for Regenerative Medicine Maastricht University, Netherlands (Kalidas Auditorium) Session Chairs: Prof. Zong Hong Lin & Prof. Nihar Ranjan Jana			
	Session: 13 Biomaterials & Tissue Regeneration (Gargi Hall) Session Chairs: Dr. Naresh Kanojia & Prof. Nikhil Kumar Singha	Session: 14 Biofabrication in Tissue Engineering (Maitreyee Hall) Session Chairs: Prof. Amit Roy Chowdhury & Prof. Somenath Ganguly	Session:15 Clinical Tissue engineering (V4 hall) Session Chairs: Dr. Sanjay Bhattacharya & Dr. Dipendra Kumar Mitra	
14:50-15:20	Keynote Lecture: Prof. Rituparna Sinha Roy Professor Department of Biological Sciences (DBS) IISER Kolkata	Keynote lecture: Prof. Kaushik Chatterjee Professor Departments of Materials Engineering & Bioengineering IISc Bangalore	Keynote lecture: Dr. Punit Fulzule Deputy Director, Directorate of Research and Innovation DMIHER Co PI, BioNEST DMIHER	
15:20-15:40	Invited Lecture: Dr. Paulomi Ghosh Assistant Professor Institute of Health Sciences Presidency University, Kolkata	Invited Lecture: Dr. Anil. P. R In-Charge Division of Tissue Culture at the Biomedical Technology Wing SCTIMST, Thiruvananthapuram	Invited Lecture: Dr. Dinesh Mani Tripathi Associate Professor Institute of Liver and Biliary Sciences, New Delhi	
15:40-16:00	Invited Lecture: Dr. Yashveer Singh Associate Professor, Department of Chemistry Associate Faculty, Department of Biomedical Engineering (BME) IIT Ropar	Invited Lecture: Dr. Sumit Murab Associate Professor IIT Mandi	Invited Lecture: Dr. Rupnarayan Bhattacharaya Professor and HOD, Department of Plastic Surgery R. G. Kar Medical College and Hospital	
16:00-16:20	Oral Presentation: (Young Researcher) Dr. Chetan Haldia Institute of Technology	Oral Presentation: Debolina Saha CSIR Central Glass and Ceramic Research Institute, Kolkata	Industry Talk: Pravin Vaidya Chief Executive Officer, BioNEST (BIRAC) Incubation Center, DMIHER, Wardha, MH, India	Invited Lecture: Dr. Aruna Rakha Arora Additional Professor Translational and regenerative medicine PGIMER, Chandigarh
16:20-16:40	Oral Presentation: (Young Researcher) Twinkle Gupta Netaji Subhas University of Technology, New Delhi	Oral Presentation: L V S S V Praad Reddy KI University	Industry Talk: Sartorius	Invited Lecture: Dr. Soumendranath Ray HOD, Nuclear Medicine Tata Medical Center, Kolkata
16:40 - 17:30	Coffee Break and Poster session: (Vikramshila Foyer)			
18:00- 20:00	Prize Distribution and Valedictory session (Kalidas Auditorium)			
20:00- 22:00	Dinner (Vikramshila Foyer)			