



Frontiers in Modern Biology (FiMB-2026)

15th - 17th January, 2026

Venue: Rabindranath Tagore Auditorium

IISER Kolkata, Mohanpur, Nadia, West Bengal, PIN:741246

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PROGRAM SCHEDEULE

DAY-1 (15/01/2026)	
2:00 PM - 3:00 PM	Registration (Venue: Atrium: Rabindranath Tagore Auditorium)
3:00 PM - 3:10 PM	Inauguration
3:10 PM - 3:20 PM	Welcome address by the Head, Dept of Biological Sciences, IISER Kolkata
3:20 PM - 3:30 PM	Address by the Director, IISER Kolkata
3:30 PM- 3:40 PM	Address by the Chief Guest: Prof. (Dr.) Arvind Sinha, Director, AIIMS Kalyani
3:45 PM - 4:30 PM	Keynote Talk (Chair: Supratim Datta, DBS, IISER Kolkata) Speaker: Seyed E Hasnain (Sharda University, UP) Title: "The TB bacterium adopts very smart strategies for survival, virulence and pathogenesis"
4:35 PM - 5:10 PM	High Tea (Venue: Atrium: Rabindranath Tagore Auditorium)

TECHNICAL SESSION I

(Chair: Amit Kumar Das, IIT Kharagpur and Sumit Sen Santara, DBS, IISER Kolkata)

5:15 PM -5:50 PM	Invited Talk 1 Speaker: Subeer S. Majumdar (Gujrat Biotechnology University) Title: "Deciphering roles of genes, creating humanised disease models and generating therapeutic proteins using Transgenic technology, an essential tool of modern biology"
5:55 PM -6:30 PM	Invited Talk 2 Speaker: Ayan Roy (AIIMS Kalyani) Title: "From bedside to lab: Understanding unchartered territories of common endocrinological diseases"
6:35 PM -7:05 PM	Student Talk 1 Speaker: Joyanta Biswas (Presidency University, Kolkata) Title: "E2F1 suppresses Epstein-Barr virus lytic reactivation through cellular and viral transcriptional networks" Student Talk 2 Speaker: Prakash Biswas (DBS, IISER Kolkata) Title: "Bimodal application of fluorescent labelled polymeric micelles: Detection and targeted therapy of <i>Salmonella</i> infections"
7:15 PM onward	Dinner (Venue: Atrium: Rabindranath Tagore Auditorium)

PROGRAM SCHEDULE

DAY-2 (16/01/2026)	
08:30 AM -09:25 AM	Breakfast (Venue: Atrium: Rabindranath Tagore Auditorium)
TECHNICAL SESSION II (Chair: Subhankar Dolai, BHU, Varanasi and Amirul Islam Mallick, DBS, IISER Kolkata)	
09:30 AM -10:05 AM	Invited Talk 3 Speaker: Ozan Gundogdu (London School of Hygiene & Tropical Medicine) Title: "Campylobacter, Poultry Microbiomes & Translational Strategies for Foodborne Enteric Disease Control"
10:10 AM – 10:45 AM	Invited Talk 4 Speaker: Asheesh Gupta (DIPAS, DRDO, Delhi) Title: "Multi-Targeted Combination Therapeutic Approaches for Impaired Wounds: Molecular Mechanisms and Recent Advances"
10:50 AM – 11:25 AM	Coffee / Tea Break (Venue: Atrium: Rabindranath Tagore Auditorium)
TECHNICAL SESSION III (Chair: Snehasikta Swarnakar, CSIR-IICB and Seeramaiah N. Gangappa, DBS, IISER Kolkata)	
11:30 AM – 12:05 PM	Invited Talk 5 Speaker: Kaustuv Sanyal (Bose Institute, Kolkata) Title: "Chromosomal Choreography in a Global Fungal Pathogen"
12:10 PM – 12:45 PM	Invited Talk 6 Speaker: Utpal S. Tatu (IISc, Bangalore) Title: "Post-transcriptional repair of Split Hsp90 gene from <i>Giardia lamblia</i> "
12:45 PM – 02:00 PM	Lunch (Venue: Ground Floor Atrium: Rabindranath Tagore Auditorium)
02:00 PM – 04:25 PM	Poster Session (Venue: First Floor Atrium: Rabindranath Tagore Auditorium)
TECHNICAL SESSION IV (Chair: Rajat Sandhir, Panjab University and Babu Sudhamalla, DBS, IISER Kolkata)	
04:30 PM – 05:05 PM	Invited Talk 7 Speaker: Suman Kundu (BITS Pilani K K Birla Goa Campus) Title: "From Hemoglobins to Sickle Cell Disease: A Journey of Two and Half Decades"
05:10 PM – 05:45 PM	Invited Talk 8 Speaker: Richa Rikhy (IISER Pune) Title: "Organelle dynamics and function in morphogenesis in embryogenesis, and stem cell differentiation"
5:50 PM – 6:25 PM	Invited Talk 9 Speaker: Ruma Banerjee (University of Michigan Medical School, USA) Title: "Sulfide Signaling: From Biomolecules to Behavior"
6:25 PM	Coffee / Tea Break & Scientific Discussion (Venue: Atrium: Rabindranath Tagore Auditorium)
7 PM onwards	Gala Dinner (Venue: Atrium: Rabindranath Tagore Auditorium)

PROGRAM SCHEDULE

DAY-3 (17/01/2026)	
08:30 AM – 09:25 AM	Breakfast (Venue: Atrium: Rabindranath Tagore Auditorium)
TECHNICAL SESSION V (Chair: Gautam Basu, Bose Institute and Dipjyoti Das, DBS, IISER Kolkata)	
09:30 AM -10:05 AM	Invited Talk 10 Speaker: Raghavan Varadarajan (IISc, Bangalore) Title: "Enhancing the stability and efficacy of viral vaccines"
10:10 AM – 10:45 AM	Invited Talk 11 Speaker: Sucharita Bose, Institute for Stem Cell Science and Regenerative Medicine (inStem) Title: "National Electron Cryomicroscopy Facility"
10:50 AM – 11:35 AM	Student Talk 3 Speaker: Tanmoy Ghosh (DBS, IISER Kolkata) Title: "Understanding the regulation of membrane mechanical heterogeneity in live cells"
	Student Talk 4 Speaker: Divya Yadav (DAIPAS, DRDO) Title: "Superpulsed 904 nm Near-Infrared Photobiomodulation Therapy for Burn Wounds: from Preclinical evidences to Translational Application"
	Student Talk 5 Speaker: Sandip Sarkar (DCS, IISER Kolkata) Title: "Blood-brain barrier penetrating C -Symmetric Guanidinium Scaffold for Metal-Driven Oxidative Stress Suppression in Ischemic Stroke"
11:35 AM – 11:55 AM	Coffee/Tea break (Venue: Atrium: Rabindranath Tagore Auditorium)
12:00 PM – 12:35 PM	Invited Talk 12 (Chair: Radhika Venkatesan, DBS, IISER Kolkata) Speaker: Deepa Agashe (NCBS, Bangalore) Title: "Founders, shapers: Colonizing individuals predict trait and population dynamics in new habitats"
12:40 PM – 12:55 PM	Valedictory session and vote of thanks
01:00 PM onwards	Lunch (Venue: Atrium: Rabindranath Tagore Auditorium)