International conference on Biological time keeping across time scales: From Ecology to Human Health

In conjunction with 33rd Biennial Meeting of the Indian Society for Chronobiology

19th – 21st December 2026, IISER Thiruvananthapuram, Kerala, India

Day 1: Saturday, December 19, 2026

Time	Topic
8.00-9.00	**Registration**
9.00-9.30	Welcome note and Inauguration
9.30-10.00	**Key note lecture: Gad Asher, Weizmann Institute of Science, Israel** Circadian clocks phase resetting - lessons from single cells
Session 1 **Clock machinery and neural circuits** Chairperson-Vinod Kumar	
10.00-10.25	**Ashok Sekhar, IISc, Bangalore, India** Antagonistic roles of PER2 phosphorylation and oligomerization in the mammalian circadian clock
10.25-10.50	**Kiran Padmanabhan, IGFL, France** Circadian disruption rewires H3.3 chromatin and transcriptional control
10.50-11.15	**Sougata Roy, Ashoka University, New Delhi, India** Temporal regulation of cellular metabolism through a novel post-transcriptional mechanism
Coffee Break	
Session 2 **Sleep, Neurodegeneration, Cognition, Mental health** Chairperson-Sheeba Vasu	
11.30-11.55	**Priyam Narain, New York University, Abu Dhabi** Molecular mechanisms of circadian excitability and stress adaptation
11.55-12.20	**Abhishek Chatterjee, INRAE, France** Hunger fences off sleep via peptidergic brain-body communication
12.20-12.45	**Pavan Kumar Agrawal** TBA
12.45-13.05	**Anita Jagota, University of Hyderabad, India** TBA
Lunch	
Session 3 **Computational Chronobiology** Chairperson-Jishy Varghese	
14.10-14.35	**Ashutosh Srivastava, IIT Gandhinagar, India** Co-expression network analysis reveals repression of Igf2bp2 by REV-ERBβ in skeletal muscle
14.35-15.00	**Sandipan Ray, IIT Hyderabad, India** Mechanistic insights into the dosing time-dependency of anti-cancer drugs with a focus on Doxorubicin, a prominent constituent of anti-cancer treatment regimens
15.00-15.25	**Amrutha Swaminathan, IISER Thiruvananthapuram, India** TBA
15.30-18.00	**Poster session**
18.00-19.00	**Executive committee meeting of the Indian Society for Chronobiology**
19.00-21.00	**Gala Dinner**

Day 2: Sunday, December 20, 2026

Time	Topic
	Session 4 **Clock, metabolism and adaptive value**
9.15-9.40	**Ullas Kolthur, Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad, India** TBA
9.40-10.05	**Shaon Chakrabarti, NCBS, Bangalore, India** Personalized circadian clock phase and perturbation inference from wearables via unsupervised disentangled representation learning
10.05-10.30	**Ratnasekhar CH, CSIR- Central Institute of Medicinal & Aromatic Plants** Timekeeping for survival: Non-canonical redox–metabolic clocks in plants and animals
10.30-10.55	**Asamanja Chattoraj, Kazi Nazrul University, West Bengal, India** Gut rhythmicity and metabolic health in Zebrafish: A study on artificial light at night (ALAN) induced chronodisruption
10.55-11.20	**Shahnaz Rahman Lone, Geetam University, Visakhapatnam, India** Timing is everything: How Biological clocks shape fitness
	Coffee Break
	Session 5 **Seasonal biological rhythms** Chairperson- Sanjay Kumar Bharadwaj
11.35-12.00	**Pingkalai Senthilan, University Wuerzburg, Germany** Day length shapes the transcriptional landscape of circadian clock neurons in *Drosophila*
12.00-12.25	**Amit K Trivedi, Mizoram University, India** Extended bright daylight and mood dysregulation: Insights into photoperiod-induced depression
12.25-12.50	**Gaurav Majumdar, University of Allahabad, India** Study of Avian transcription factors reveals novel regulatory mechanisms of seasonal physiology
12.50-13.15	**Akash Gulyani, University of Hyderabad, India** A 'little' light in the dark: Discovery of multiple photo-sensory systems and light control of rhythms in regenerating flatworms
13.15-14.00	**Lunch**
14.00-15.30	Flash talks
	Coffee Break
	Session 6 **Sleep, infection and immunity and health**
16.00-16.25	**Kamalesh Gulia, SCTIMST, Kerala, India** Circadian rhythm in mothers during pregnancy making foundation for the sleep and behaviour during infancy: Evidences from the sleep deprivation rat models
16.25-16.50	**Arti Parganiha, Pt Ravishankar Shukla University, India** TBA
16.50-17.15	**Swami Subramaniam, Ignite foundation, Bengaluru, India** "The great sleep forward"
17.15-17.45	**Panel Discussion:** Integrating clinical perspectives, sleep science, and chronobiology
17.45-18.30	**Valedictory**
18.30-19.30	**General Body Meeting of the Indian Society for Chronobiology**
19.30-21.00	**Dinner**

Day 3: Monday, December 21, 2026

Time	Topic
	Trainee day Session 7
9.30-10.30	**Sandiapan Ray, IIT Hyderabad, India** Circadian- Omics data Analysis
10.30-11.30	**Sheeba Vasu, JNCASR, Bangaluru, India** Time series data analysis
	Coffee Break
	Trainee day Session 8
11.30-12.30	**Sougata Roy, Ashoka University, New Delhi, India** Algae as a clock model
13.00-14.00	**Lunch**