

# International Conference on Chronobiology

# 15<sup>th</sup> Thursday

Time in the living world  
July 2021, India

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09:00-11:00 AM Session 1: Molecular clocks

**Chairs:** Joanna C Chiu (UC Davis) & Sheeba Vasu (JNCASR)

09:00-09:15 AM - Mixer - meet & greet

09:15-10:00 AM - Keynote lecture 1 Katja Lamia (Scripps Research Institute)  
*TBA*

10:00-10:30 AM - Keynote lecture 2 Patrick Emery (UMass Med School)  
*Parhyale hawaiiensis: a genetically-tractable model organism to study circatidal rhythms*

10:30-11:00 AM - Short talk 1 Sandipan Ray (IIT Hyderabad)  
*Deciphering the mechanisms of action of pharmacological modulators of circadian clocks using multiplexed quantitative proteomics*

11:00-11:15 PM Break

11:15-01:00 PM Session 2: Human rhythms

**Chair:** Atanu K Pati (Pt. RS University)

11:15-12:00 PM - Keynote lecture 3 Shanta Rajaratnam (Monash University)  
*Shedding new light on Delayed Sleep-Wake Phase Disorder*

12:00-12:30 AM - Short talk 2 Subhashis Sahu (University of Kalyani)  
*TBA*

12:30-01:00 PM - Short talk 3 Amit Trivedi (University of Mizoram)  
*TBA*

01:00-02:00 PM Lunch Break

02:00-04:00 PM Poster Session 1

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04:00-06:30 PM Session 3: Clock circuits

Chair: Sanjay Bharadwaj (CCSU)

04:00-04:15 PM - Trainee talk 1 TBA  
*TBA*

04:15-04:30 PM - Trainee talk 2 TBA  
*TBA*

04:30-05:00 PM - Short talk 3 P Subramanian (Annamalai University)  
*TBA*

05:00-05:30 PM - Short talk 4 Shahnaz Lone (Central University of Punjab)  
*TBA*

05:30-05:45 PM - Trainee talk 3 TBA  
*TBA*

05:45-06:00 PM - Trainee talk 4 TBA  
*TBA*

06:00-06:15 PM - Trainee talk 5 TBA  
*TBA*

06:15-06:30 PM Break

06:30-08:00 PM Session 4: Celebrating the SCN

Chair: NK Subhedar (IISER Pune)

06:30-08:00 PM - Special session on celebrating the SCN  
William Schwartz (UT Austin) and Erik Herzog (WUSTL)

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09:00-11:00 AM Session 5: Molecular clocks 2

Chair: TBA

09:00-09:15 AM - Mixer - meet & greet

09:15-10:00 AM - Keynote lecture 6 Joanna Chiu (UC Davis)  
*Non-transcriptional regulation of circadian physiology*

10:00-10:30 AM - Short talk 7 Sougata Roy (Ashoka University)  
*Dinoflagellate clock - Is it a unique circadian model?*

10:30-11:00 AM - Short talk 8 Kishore Panigrahi (NISER)  
*TBA*

11:00-11:15 AM Break

11:15-01:00 PM Session 6: Computational and theoretical studies

Chair: Albert Goldbeter (ULB)

11:15-11:30 AM - Chairman's remark Albert Goldbeter (ULB)  
*Historical overview - Modelling and rhythms*

11:30-12:00 PM - Short talk 9 Sandeep Krishna (NCBS)  
*TBA*

12:00-12:30 AM - Short talk 10 Sriram K (IIIT Delhi)  
*TBA*

01:00-02:00 PM Lunch Break

12:30-01:00 PM - Short talk 11 Shaon Chakrabarti (NCBS)  
*TBA*

02:00-04:00 PM Poster Session 2

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04:00-06:30 PM Session 7: Clocks and metabolism

Chair: Vidyanand Nanjundiah (ICTS)

04:00-04:15 PM - Trainee talk 5 TBA  
TBA

04:15-04:30 PM - Trainee talk 6 TBA  
TBA

04:30-05:00 PM - Short talk 12 Nisha Kannan (IISER)  
*Effect of constant light on triglyceride metabolism in Drosophila*

05:00-05:30 PM - Short talk 13 Ullas Kolthur (TIFR)  
TBA

05:30-06:15 PM - Keynote lecture 7 Amita Sehgal (UPenn)  
*Interactions between sleep:wake cycles and metabolism*

06:15-06:30 PM Break

06:30-08:00 PM Session 8: Molecular clocks 3

Chair: Somdatta Sinha (IISER)

06:30-07:00 PM - Keynote lecture 8 Brian Zoltowski (SMU)

*Chemical Integration of Circadian and Photoperiodic Clocks in Plants*

07:00-07:30 PM - Short talk 14 Ashutosh Srivastava (IIT)

*Structural and dynamical insights into mammalian cryptochromes*

06:30-07:00 PM - Short talk 15 Anita Jagota (UoH)

*Circadian dysfunction with aging and neurodegeneration*

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09:00-11:00 AM Session 9: Sleep

Chair: Babita Pande (AIIMS)

09:00-09:15 AM - Mixer - meet & greet

10:00-10:30 AM - Short talk 16 Krishna Melnattur (WashU)  
*Sleep is plastic, and supports plasticity*

09:15-10:00 AM - Keynote lecture 9 Horacio de la Iglesia (UWash)  
*How the moon keeps us awake*

10:30-10:45 PM - Trainee talk 7 TBA  
TBA

10:45-11:00 PM - Trainee talk 8 TBA  
TBA

11:00-11:15 PM Break

11:15-01:00 PM Session 10: Ecological aspects

Chair: Sangeeta Rani (LU)

11:15-12:00 PM - Keynote lecture 10 Marcel Visser (Netherlands of Inst of Ecology)  
TBA

12:00-12:30 AM - Short talk 17 Muniyadi Singaravel (BHU)  
*Social synchronization of the circadian clock in mice*

12:30-01:00 PM - Short talk 18 Axel Brockmann (NCBS)  
TBA

01:00-02:00 PM Lunch Break



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02:00-04:15 PM Session 11: Clocks and seasonality

Chair: Vinod Kumar (DU)

02:00-02:30 PM - Keynote lecture 11 Tyler Stevenson (UGlasgow)  
*Molecular architecture of seasonality in birds*

02:30-03:00 PM - Short talk 17 Anand Dixit (NEHU)  
*TBA*

03:00-03:30 PM - Short talk 18 Shalie Malik (UoL)  
*TBA*

03:30-04:15 PM - Keynote lecture 12 Barbara Helm (UoGroningen)  
*TBA*

04:15-04:30 PM Break

04:30-07:00 PM Session 12: ISC meeting and prize distribution

Chair: TBA

04:30-05:00 PM - Society meeting

05:00-05:30 PM - General body meeting

05:30-06:00 PM - Prize distribution and Vote of Thanks