

Annual Biology Meet (2019)

10 January 2019

Session I (Moderator: TBA)

- 09:25 -09:30 **Welcome remarks**
- 09:30 -10:15 **Jayant B. Udgaonkar** (IISER, Pune)
- 10:17 -10:37 **Purnima Mala** (IISER, Bhopal)
tRNA analog as a tool for efficient site specific protein modification
- 10:39 -10:59 **Debayan Sarkar** (IISER, Bhopal)
Mechanism of the activation of the TRPV1 ion channel by the double-knot toxin
- 11:00 -11:15 **COFFEE BREAK**
- 11:15 -12:00 **Siva Umopathy** (IISER, Bhopal)
- 12:02- 12:22 **Pankaj Bharat Tiwari** (IISER, Bhopal)
Deciphering the functional existence of the outer membrane chaperone
- 12:24-12:44 **Varsha Patil** (IISER, Bhopal)
Insights into the physiology and metabolism of a mycobacterial cell in an energy-compromised state
- 13:00-14:15 **LUNCH**

Session II (Moderator: TBA)

- 14:15-15:00 **Krishanu Ray** (TIFR, Mumbai)
One motor many roads - stories of Kinesin-2 in sensory neurons
- 15:02-15:22 **Shikha Kushwaha** (IISER, Bhopal)
Regulation of synaptic morphogenesis through BAR-domain Protein dependent Signaling
- 15:24- 15:44 **Sajeev T K** (IISER, Bhopal)
Cross-species and species specific interaction displayed by Human and Plasmodium SUMOylation machineries
- 15:46-16:06 **Juilee Sabnis** (IISER, Bhopal)
A multisubunit TRAPP complex regulates Wingless trafficking and autophagy in the Drosophila wing epithelium
- 16:08-16:30 **COFFEE BREAK**

16:30 -17:00	R. Mahalakshmi (IISER, Bhopal) <i>Molecular Origins of Human VDAC2 Structure–Function Inter-regulation</i>
17:02-17:22	Aashutosh Tripathi (IISER, Bhopal) <i>Biochemical and functional characterization of EhC2B, a C2 domain protein in Entamoeba histolytica.</i>
17:30 -19:30	POSTERS
19:30	MIXER DINNER

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Session III (Moderator: TBA)

09:30 -10:15	Santosh Chauhan (ILS, Bhubaneswar) <i>Role of IRGM in innate immune homeostasis: An untold story of Jesus gene</i>
10:17 -10:37	Santhosh Kumar Sariki (IISER, Bhopal) <i>Transcription of yeast FLO genes is regulated by Cell Wall Integrity pathway mediated antagonism between Rlm1 and Tup1-Ssn6</i>
10:39 -10:59	Manoj Kumawat (IISER, Bhopal) <i>Histone H3 protein derived peptide acts as an antimicrobial agent</i>
11:01 -11:21	Sandhya Yadav (IISER, Bhopal) <i>Curcumin treatment reverts the Warburg effect by regulating the PKM gene splicing in oral cancer</i>
11:21 -11:45	COFFEE BREAK
11:45-12:30	Krushnamegh Kunte (NCBS, Bengaluru) <i>Evolution and Genetics of Adaptation: A Case of Spectacular Mimetic Butterflies</i>
12:32-12:52	Sandhya Sharma (IISER, Bhopal) <i>Glimpse of Guppy population trajectory during Last Glacial Period</i>
13:10-14:30	LUNCH

Session IV (Moderator: TBA)

14:30-15:15	Debi P. Sarkar (IISER, Mohali) <i>Sendai Virus Recruits Cellular Villin to Remodel Actin Cytoskeleton During Fusion with Hepatocytes: Implications in Liver Gene Therapy</i>
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15:17-15:47	Nagarjun Vijay (IISER, Bhopal) <i>Genomewide patterns of variation in genetic diversity are shared among populations, species and higher-order taxa</i>
15:50-16:10	Preeti (IISER, Bhopal) <i>Battle of bastards! Rampant hybridisation explains presence of species complexes and floral diversity in the genus Hedychium (Zingiberaceae) in the NE of India</i>
16:12-16:32	Akhilesh Kumar (IISER, Bhopal) <i>Flu and Host microRNA Interaction: Basic biology to the novel therapeutic possibilities</i>
16:35- 17:05	COFFEE BREAK
17:05 -19:00	POSTERS
19:30	DINNER

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Session V (Moderator: TBA)

09:30 -10:15	Manoj Majee (NIPGR, New Delhi) <i>Protein L-isoaspartyl methyltransferase (PIMT): A key determining factor for seed to stay alive</i>
10:17 -10:37	Nevedha Ravindran (IISER, Bhopal) <i>When a seedling sees the light: The regulation of cotyledon opening response by light and hormones</i>
10:39 -10:59	Chetana Tamadaddi (IISER, Bhopal) <i>Expansion of PAM complex Chaperones in Arabidopsis Mitochondria - the more the merrier</i>
11:00 -11:15	COFFEE BREAK
11:15 -11:27	Aswin S Soman (IISER, Bhopal) <i>Single-cell Transcriptomics reveals embryonic subpopulation and lineages.</i>
11:30 -12:00	Ishaan Gupta (IISER, Bhopal) <i>Use of single cell genomics to uncover novel mammalian biology</i>
12:02-12:32	Jeet Kalia (IISER, Bhopal) <i>Developing a chemical toolkit for studying lipid biology</i>
12:35 -12:40	Concluding Remarks
12:45	LUNCH