

Thursday, December 01, 2022

900	1000	Registration
1000	1005	Welcome Address Mohan Wani Director, National Centre for Cell Science, Pune

Session I: RNA Translation

Session Chair: Prof Jayanta Pal

1005	1040	Umesh Varshney. IISc, Bengaluru IF3 interaction with initiator-tRNA elbow modulates translation initiation and growth fitness in <i>Escherichia coli</i>
1040	1105	Pankaj Alone. NISER, Bhubaneswar Cellular cost of translation initiation fidelity defect
1105	1130	Biswadip Das. Jadhavpur University, Kolkata Killing messengers before they are born: A novel paradigm for the fidelity and regulation of gene expression in <i>Saccharomyces cerevisiae</i>

1130 1145 **Tea Break**

1145	1210	Sandeep Eswarappa. IISc, Bengaluru Erythrocytes and translation of globin mRNAs
1210	1235	Purusharth Rajyaguru. IISc, Bengaluru RNA granules: Tiny dots with big impact
1235	1300	Chandrama Mukherjee. Presidency University Kolkata Recap or decap-decision made by granules in the cytoplasm

1300 1400 **Lunch****Session II: RNA Processing**

Session Chair: Dr. B. Anand

1400	1425	Shravan K Mishra. IISER, Mohali Ubiquitin-Like Regulators of Alternative Splicing
1425	1450	Kusum Singh. IIT, Guwahati Post-transcriptional gene regulation by RNPS1
1450	1515	Geetanjali Chawla. RCB, NCR Delhi Molecular Dissection of a Conserved Cluster of microRNAs

1515 1700 **TEA & POSTERS**

1700	1715	Short Talk 1: Pradeep Kumar. CCMB, Hyderabad DTD2 gene transfer from archaea to land plants is important for multialdehyde tolerance
1715	1730	Short Talk 2: Krishnamoorthi Srinivasan. IICB, Kolkata <i>Escherichia coli</i> protein YchF halts translation initiation of leaderless mRNA on the 70S ribosome by modulating the P-site tRNA
1730	1745	Short Talk 3: Rohan Pal. IIT, Guwahati Unravelling the regulatory mechanism between ribosome biogenesis and stringent response
1745	1800	Short Talk 4: Harsha Sankar. IISER, Berhampur m6A epitranscriptome modification mediated regulation of kidney homeostasis; reveals a role for reader proteins
1800	1815	Short Talk 5: Sreejith Balam Nair. IIT, Gandhinagar Elucidating the roles of human THAP9 transposase and lncRNA THAP9-AS1

1900 2100 **Dinner**

Friday, December 02, 2022

Session III: RNA-binding Proteins & Disease

Session Chair: Dr. Amaresh Panda

930	955	Kesavardana Sannula. IISc, Bengaluru Z-RNAs in host innate sensing, virus adaptation, and inflammation
955	1020	Ajit Chande. IISER, Bhopal Hijacking of host encoded circular RNA by primate lentiviruses
1020	1045	Vidisha Tripathi. NCCS, Pune Gene regulatory function of lncRNAs in DNA replication and repair
1045	1110	Rakesh Laishram. RGCB, Thiruvananthapuram Cleavage stuttering at the pre-mRNA 3'-untranslated region (UTR) regulates gene expression
1110	1130	Tea Break

Session IV: Non-coding RNA

Session Chair: Dr. Ashish Mishra

1130	1145	Beena Pillai. IGIB, New Delhi Inherited ncRNA, Durga affects gene expression during neurodevelopment and behaviour in zebrafish
1145	1210	Kartiki Desai. NIBMG, Kalyani Some contributions to understanding breast cancer
1210	1235	Srikanta Goswami. NIBMG, Kalyani The noncoding-RNome in Pancreatic Cancer: Exploring function and decoding their global regulation
1235	1300	Pramod Rath. JNU, New Delhi Expression of long noncoding RNAs (LINC-RBE and LINC-RSAS) and Aging
1300	1400	Lunch

Session V: RNA-binding Proteins & Disease

Session Chair: Dr. Jomon Joseph

1400	1425	Baskar B. IIT, Mandi Structured and disordered domains antagonize to balance neuronal Ribonucleoprotein granule dynamics.
1425	1450	Amithabha Majumdar. NCCS, Pune Towards understanding molecular mechanisms of memory
1450	1515	Sourav Banerjee. NBRC, Gurgaon Long non-coding RNAs in synapse development and memory
1515	1700	TEA & POSTERS
1700	1715	Short Talk 7: Parth Gupta. IIT, Hyderabad Human Cdc2-like Kinase 1 promotes AR-V7 splicing by facilitating recruitment of RBM15 and RBM39
1715	1730	Short Talk 8: Arundhati Das. ILS, Bhubaneswar Role of Subcellular Localization of Circular RNAs in Muscle Cell Differentiation



1730	1745	Short Talk 9: Gaurav Agarwal. NCCS, Pune Role of PDI in the regulation of insulin biosynthesis
1745	1800	Short Talk 10: Suryansh Sengar. BITS, Hyderabad LncRNA JINR1 promotes JEV-induced neuronal death by inhibiting miR-216b-5p and by interacting with RBM10 to promote ER stress and neuroinflammatory gene expression
1800	1815	Short Talk 11: (Technical) Prashant Dour, SCIEX, India Characterization of RNA Therapeutics
1815	1830	Short Talk 12: (Technical) Thermo Scientific Flow Cytometry
1900	2100	Gala Dinner

Session VII: RNA: Structure & Function		
Session Chair: Dr. Pradeep Kumar		
1130	1155	Mandar Deshmukh. CCMB, Hyderabad Insights into the endogenous inverted-repeat siRNA (endo-IR) pathway by the organization of the DRB4:DRB7.2 complex in plants
1155	1220	Ansuman Lahiri. University of Calcutta, Kolkata Simulating modified RNA
1220	1245	Shovamayee Maharana. IISc, Bengaluru RNA-RBP condensates sense cellular RNA and buffer immune response
1245	1330	Price Distribution & Concluding Remarks
1330	1430	Lunch

Saturday, December 03, 2022

Session VI: RNA Processing

Session Chair: Dr. Rajat Bannerjee

930	955	Suvendra Bhattacharyya. IICB, Kolkata Sorting, export, trafficking and internalization of Extracellular Vesicles associated miRNAs in and between mammalian cells
955	1020	Srimonta Gayen. IISc, Bengaluru Xist and CELF1 in the maintenance of Imprinted X-chromosome inactivation
1020	1035	Short Talk 13: Pratyasha Bhowal. Univ. Calcutta, Kolkata A Fluorescence Spectroscopic study of the interaction between ANS/bis-ANS and a Trypanosomal aminoacyl-tRNA synthetase
1035	1050	Short Talk 14: Sruthi Sudhakar. IIT, Mumbai Cas12a Undergoes Induced Fit to its Guide RNA during RNP Assembly
1050	1105	Short Talk 15: Damini Sahu. IIT, Mumbai Understanding mechanistic details of ribosomal methyltransferases involved in antibiotic resistance
1105	1130	Tea Break

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11th RNA Group Meeting

December 01 to 03, 2022



National Centre for Cell Science
NCCS Complex, Ganeshkhind, Pune 411 007