

XI International Conference on Biology of Yeasts and Filamentous Fungi

27th - 29th November 2019

Venue: Auditorium, School of Life Sciences, University of Hyderabad

Scientific Programme

DAY 1 - 27/11/2019

8:00 - 9:00 AM Registration

9:00 - 9:30 AM Inauguration

Welcome and Introduction to the meeting by the organizers

Session I: Chromatin and Transcription

Chairperson: Jerry L. Workman

9:30 - 9:50 AM	Jerry L. Workman	Phosphorylation of histone H3 threonine 11 by the Tda1 kinase under nutritional stress requires the AMPK and CK2 kinases
9:50 - 10:10 AM	K. Natarajan	Chromatin and transcriptional control of iron homeostasis in <i>Candida albicans</i>
10:10 - 10:30 AM	Purnima Bhargava	Yeast PAF1 complex counters the pol III accumulation and replication stress on the tRNA genes
10:30 - 10:50 AM	Nishant K.T.	Mitotic genome dynamics and instability in the baker's yeast
10:50 - 11:00 AM	Shalini Aricthota	DDK Hsk1 phosphorylates Sirtuin Hst4 and targets it for degradation on replication stress to stabilize stalled DNA replication forks
11:00 - 11:10 AM	Premlata Kumari	Mechanism of DNA-Protein crosslink repair in pathogenic yeast <i>Candida albicans</i>

11:10 - 11:40 AM TEA BREAK

Session II: Epigenetics and Gene Regulation

Chairperson: Kaustuv Sanyal

11:40 - 12:00 PM	Kaustuv Sanyal	The genetic switch of a major growth phase transition is fine-tuned by two residues of histone H3
12:00 - 12:20 PM	Himanshu Sinha	Are ribosomal protein genes buffers of phenotypic plasticity?
12:20 - 12:40 PM	Altaf Bhat	Understanding the mechanism of heterochromatin organization in <i>Schizosaccharomyces pombe</i>
12:40 - 1:00 PM	Aarti Sevilimedu	RNA-mediated regulation of heterochromatin in <i>S. pombe</i>
1:00 - 1:15 PM	Supreet Saini	Dynamics of public goods production and cooperation in yeast
1:15 - 1:25 PM	Md. Hashim Reza	Atg11, an autophagy regulator, is required for high fidelity chromosome segregation
1:25 - 2:30 PM	LUNCH BREAK	

Session III: RNA metabolism

Chairperson: Biswadip Das

2:30 - 2:50 PM	Biswadip Das	Post-transcriptional regulation of gene expression in <i>Saccharomyces cerevisiae</i> involving modulation of nuclear export and nuclear mRNA degradation
2:50 - 3:10 PM	Shravan Kumar Mishra	The ubiquitin-fold-activated Sde2 helps spliceosome capture distant exons
3:10 - 3:30 PM	Purusharth I Rajyaguru	Role of RGG-motif proteins in translation control
3:30 - 3:50 PM	Nimisha Sharma	Functional and structural insights into the <i>Schizosaccharomyces pombe</i> ELL-EAF transcription elongation factor complex
3:50 - 4:05 PM	Neelam Dabas Sen	DEAD-box RNA helicases: A family affair in governing translational control of eukaryotic gene expression
4:05 - 4:20 PM	Flash Talks	Arjamand Mushtaq, Deepika Trakroo, Kuladeep Das, Priyanka Sarkar, Rajlaxmi Gaine, Riddhi Banerjee, S. Sagar, Subhasish Mukherjee, Sweta Tiwari, Vasavi Bhogadi
4:20 - 6:30 PM	TEA BREAK AND POSTER SESSION - I	

Session IV: Fungal Pathogenesis – I

Chairperson: D. P. Kasbekar

6:30 - 6:50 PM	Rajendra Prasad	ABC superfamily transporters of an emerging pathogenic yeast <i>Candida auris</i>
6:50 - 7:10 PM	Naweed Naqvi	A novel morphogenetic signal in fungal pathogenesis
7:10 PM onwards	DINNER	

DAY 2 - 28/11/2019

Session V: Protein Homeostasis

Chairperson: Michael Knop

9:30 - 9:50 AM	Michael Knop	N-degron profiling: determinants of protein stability encoded in the N-terminus of proteins
9:50 - 10:10 AM	Deepak Sharma	Ydj1 regulates functional distinction of Ssa Hsp70s in Hsp90 chaperoning pathway
10:10 - 10:30 AM	Parul Mishra	Engineering ubiquitin to probe and rewire protein degradation network
10:30 - 10:50 AM	Chandan Sahi	The expanding world of J-domain proteins
10:50 - 11:00 AM	Ganapathi Kandasamy	Hsp110-mediated proteasomal degradation of Hsp70 chaperone-associated substrates in yeast
11:00 - 11:10 AM	Darakshan Alim	Relevance of 7-transmembrane receptor protein Rta2 in coordinating endoplasmic reticulum stress responses in <i>Candida albicans</i>
11:10 - 11:40 AM	TEA BREAK	

Session VI: Organelle Biology – I

Chairperson: Dibyendu Bhattacharyya

11:40 - 12:00 PM	Dibyendu Bhattacharyya	Interplay and relative positioning of functional sites on Endoplasmic Reticulum
12:00 - 12:20 PM	Ravi Manjithaya	Yeasts can still teach a thing or two about autophagy
12:20 - 12:40 PM	Shirisha Nagotu	Structural and functional analysis of disease causing mutations of Drp1 through analyses of the yeast homologue Dnm1
12:40 - 1:00 PM	Kaustuv Datta	Mitochondrial gene expression in response to carbon source: Control by a yeast-clade-specific putative helicase <i>IRC3</i> in <i>Saccharomyces cerevisiae</i>
1:00 - 1:10 PM	Gurranna Male	Nucleolar size regulates nuclear envelope shape in <i>Saccharomyces cerevisiae</i>
1:10 - 1:20 PM	Amita Pal	Role of eisosome proteins, Pil1 and Lsp1, mitophagy, and cell death in <i>Saccharomyces cerevisiae</i>
1:20 - 2:30 PM	LUNCH BREAK	

Session VII: Organelle Biology - II and Gene Expression

Chairperson: Santanu K. Ghosh

2:30 - 2:50 PM	Santanu K. Ghosh	Meiosis-specific functions of kinesin motors in maintenance of chromosome integrity
2:50 - 3:10 PM	Mithilesh Mishra	Acto-myosin ring and the art of fission
3:10 - 3:30 PM	Rajan Sankaranarayanan	Chiral proofreading and its implications for the evolution of eukaryotes
3:30 - 3:40 PM	Mani Garg	Scd6 and Psp2 are multicopy suppressors of clathrin deficiency
3:40 - 3:50 PM	Sriram Varahan	Metabolic constraints determine the self-organization of specialized heterogeneous cell groups
3:50 - 4:05 PM	Flash Talks	Avishek Roy, Imlitoshi Jamir, Kumari Sweta, Rajalakshmi Srinivasan, Rashmi K Bed, Ruchika Kumari, Shweta Kaul, Suchismita Datta, Terence Infant W.L, Yash Verma
4:05 - 6:30 PM	TEA BREAK AND POSTER SESSION - II	

Session VIII: Genome Stability

Chairperson: Rajendra Prasad

6:30 - 6:50 PM	K. Muniyappa	Mechanistic insights into meiotic chromosome synapsis and recombination in <i>Saccharomyces cerevisiae</i>
6:50 - 7:10 PM	Narottam Acharya	Role of CaPol η in genome stability, morphogenesis and the development of systemic candidiasis
7:10 PM onwards	CONFERENCE DINNER	

DAY 3 - 29/11/2019

Session IX: Fungal Pathogenesis – II

Chairperson: Sneh Lata Panwar

9:30 - 9:50 AM	Sneh Lata Panwar	The Tac1-dependent coordinated regulation of genes contributes to pathogenicity traits in <i>Candida albicans</i>
9:50 - 10:10 AM	Ragiba Makandar	Analyzing host responses to target <i>Fusarium graminearum</i> infection in crop plants
10:10 - 10:30 AM	Gopaljee Jha	Novel strategies to control fungal diseases of rice
10:30 - 10:50 AM	Ranjan Tamuli	The CRZ-1 transcription factor and calcium signaling genes are required for heat-shock response, normal circadian clock, and cellulose degradation in <i>Neurospora crassa</i>
10:50 - 11:05 AM	Saif Hameed	Natural food flavoring agent vanillin impedes CaCdr2p driven efflux and metabolic adaptability in human fungal pathogen, <i>Candida albicans</i>
11:05 - 11:15 AM	Mubashshir Rasheed	Glycosylphosphatidylinositol-linked aspartyl proteases regulate the secretome of the pathogenic yeast <i>Candida glabrata</i>
11:15 - 11:45 AM	TEA BREAK	

Session X: Protein Structure and Evolution

Chairperson: Paik Jayadeva Bhat

11:45 - 12:05 PM	Paik Jayadeva Bhat	Putting bits and pieces together: The saga of arrestin-related trafficking protein in <i>Saccharomyces cerevisiae</i>
12:05 - 12:25 PM	Sreenivas Chavali	Repeat to Reap it: Systems-level understanding of the role of amino acid repeats
12:25 - 12:40 PM	Narendra K Bairwa	Loss of F-box motif encoding gene <i>SAF1</i> and <i>RRM3</i> together leads to synthetic growth defect and sensitivity to hydroxyurea and methyl methane sulfonate in <i>S. cerevisiae</i>
12:40 - 12:50 PM	Soumita Paul	Investigating the mechanism of regulation of cellular repertoire of SKS1 mRNA in <i>Saccharomyces cerevisiae</i>
12:50 - 1:00 PM	Anjali Mahilkar	Laboratory evolution of allopatric speciation in <i>Saccharomyces cerevisiae</i>
1:00 - 1:10 PM	V. Anand Parnandi	Understanding the pathobiology of mixed-species candidiasis
1:10 - 2:00 PM	LUNCH BREAK	

Session XI: Cell Division

Chairperson: Geetanjali Sundaram

2:00 - 2:20 PM	Geetanjali Sundaram	Regulation of mitotic timing: Communication between CDK and MAPK
2:20 - 2:40 PM	Pankaj V. Alone	Alteration in the fidelity of <i>HIS4</i> start codon selection influences 3-amino-1,2,4-triazole sensitivity in hyper-GTPase defective eIF5 protein
2:40 - 2:55 PM	Tania Bose	Cohesin proteins control protein quality through misfolding, aggregation, and accumulation

2:55 - 4:00 PM **Valedictory/Prize Distribution/Next Meeting Venue Discussion**

4:00 PM TEA