

13th International Conference of Yeast Biology

3rd – 6th December 2025

A.V. Rama Rao Auditorium, Chemical Sciences Building, IISc Bengaluru

Day 1 – 3rd December 2025

1230–1400 Registration

1400–1430 Introduction by the Organizing Committee

Talk: 20 + 3 (Q&A); Short talk: 12 + 3 (Q&A)

Session 1: Infection Biology – Chair: Usha Vijayraghavan & Utpal Tatu

1430–1455 *Talk: Kevin Hardwick, University of Edinburgh* – Death or disomy: perturbing mitotic kinases in the fungal pathogen *Cryptococcus neoformans*

1455–1510 *Short Talk: Amey Redkar, NCBS Bangalore* – Dissecting the Root-Fungal Interface in 3D Reveals Spatially Distinct Signaling Landscapes

1510–1535 *Talk: Rajendra Prasad, Amity University* – Tracking Fungal AMR (fAMR) in Emerging Pathogen *Candidozyma auris*

1535–1550 *Short Talk: Anupama Ghosh, Bose Institute* – Small heat shock proteins in *Ustilago maydis*: Insights into functions beyond protection against proteotoxic stress

1550–1610 Flash Talks (FT-I) by Students (5, two minutes each) (Chair: Dr Amanjot Singh, MAHE, Bengaluru)

1610–1630 Coffee Break

Session 2: Fungal–Host Interactions – Chair: KN Balaji & Shivaprakash Rudramurthy

1630–1655 *Talk: Jeyaprakash Arulanandam, University of Edinburgh* – Non-Canonical Mechanisms of Chromosome Segregation in *Cryptococcus neoformans*: Kinetochore Perspective

1655–1710 *Short Talk: Rajesh Patkar, IIT Bombay* – Intriguing molecular communication during fungal inter-species interaction

1710–1725 *Short Talk: Anindita Seal, University of Calcutta* – Endosymbiosis revisited in a ‘nitrogen-fixing’ yeast and its potential use in agriculture

1725–1750 *Talk: Rupinder Kaur, CDFD Hyderabad* – Molecular makeover: How chromatin reorganization governs fungal virulence and drug resistance

1750–1815 *Talk: Santanu Ghosh, IIT Bombay* – RSC chromatin remodeler: a jack of all trades regulating fungal pathogen biology

1815–1840 Flash Talks (FT-II) by Students (6, two minutes each) (Chair: Dr Sahana Holla, TIFR Hyderabad)

1845–2000 Cultural Program – Yakshagana by Yakshamandala Troup

2000–2100 Dinner

Day 2 – 4th December 2025

0800-0910 Breakfast

0910-0915 Introduction

Session 3: DNA, Genomes, Chromosomes – Chair: K Muniyappa & Mahipal Ganji

0915-0940 *Talk: Shiv Grewal, NIH USA* – Stress controls heterochromatin assembly and the epigenetic landscape of the genome

0940-1005 *Talk: Altaf Bhat, University of Kashmir* – Peripheral heterochromatin tethering in 3D genome organisation

1005-1030 *Talk: Devyani Haldar, CDFD Hyderabad* – Chromatin dynamics in regulation of DNA replication fork stability

1030-1045 *Short Talk: Viji Subramanian, IISER Tirupati* – The short and long of chromosome inheritance in meiosis

1045-1100 *Short Talk: Mridula Nambiar, IISER Pune* – Partner preferences among diverged paralogs determine cohesin loading patterns on chromosomes

1100-1120 Coffee Break

Session 4: RNA Biology & Cellular Regulation – Chair: Shikha Laloraya & Purusharth I Rajyaguru

1120-1145 *Talk: Biswadip Das, Jadavpur University* – Killing messengers in the nucleus: A novel paradigm of gene regulation in *Saccharomyces cerevisiae*

1145-1210 *Talk: Nishant KT, IISER Thiruvananthapuram* – Regulation of Loss of Heterozygosity in Mitosis

1210-1235 *Talk: Krishnaveni Mishra, University of Hyderabad* – Regulation of gene expression via transcription termination

1235-1250 *Short Talk: Rajalakshmi Srinivasan, IBAB Bengaluru* – Investigating the Regulatory Crosstalk Between Cytoplasmic Viral RNA and Nuclear Genome During Aging in Yeast

1250-1305 Flash Talks (FT-III) by Students (6, two minutes each) (Chair: Dr Akhilesh Kumar, BHU)

1305-1400 Lunch

1400-1630 Poster Session-I (Odd Numbers)

1545-1630 Coffee Break

1630-1640 Group Photo

Session 5: Cell Cycle & Cytoskeleton – Chair: Kaustuv Sanyal & Sachin Kotak

1640-1705 *Talk: Saikat Chowdhury, CCMB Hyderabad* – Yeast vs Metazoans: Divergent modalities of actin network nucleation and regulation

1705-1730 *Talk: Mohan Balasubramanian, University of Warwick* – How does the actomyosin ring actuate cytokinesis in fungi?

1730-1755 *Talk: (EMBO-YIP Lecture) Gautam Dey, EMBL Germany* – Yeasts as models for evolutionary cell biology of mitosis

1755-1810 *Short Talk: Gunjan Mehta, IIT Hyderabad* – The dynamic pool of Rec8-cohesin is essential for meiotic recombination and transcription regulation in *S. cerevisiae*

1810-1830 Flash Talks (FT-IV) by Students (5, two minutes each) (**Chair: Dr Ritu Pasrija, MDU**)

1830 onwards Open Evening

Day 3 – 5th December 2025

0800-0910 Breakfast

0910-0915 Introduction

Session 6: Metabolism & Synthetic Biology – Chair: Dipshikha Chakravortty & Ganesh Nagaraju

0915-0940 *Talk: Naveed Naqvi, TLL Singapore* – The Ferroptosis landscape of fungal pathogenesis

0940-0955 *Short Talk: Naresh BV Sepuri, University of Hyderabad* – Non-canonical roles of eisosomes in Mitochondrial quality control and mitophagy

0955-1010 *Short Talk: Krishna BS Swamy, Ahmedabad University* – Adaptive Aneuploidy Facilitates Stress Tolerance and Early Speciation Dynamics in *Saccharomyces* Introgressed Hybrids

1010-1025 *Short Talk: Narottam Acharya, IIS Bhubaneswar* – Leading or lagging in the first antifungal vaccine development: A DNA polymerase perspective

1025-1050 *Talk: Chandan Sahi, IISER Bhopal* – Cytosolic Chaperones and membrane protein homeostasis

1050-1110 Coffee Break

Session 7: Membranes, Trafficking & Organization – Chair: Sunil Laxman & Samay Pande

1110-1135 *Talk: Snezhana Oliferenko, King's College London / Francis Crick Institute* – Exploiting divergent biology of two fission yeasts to understand membrane function

1135-1200 *Talk: Marko Kaksonen, University of Geneva* – Molecular mechanisms and evolution of clathrin-mediated endocytosis

1200-1225 *Talk: Thomas Pucadyil, IISER Pune* – Retromer-mediated trafficking pathways and beyond

1225-1250 *Talk: Deepak Sharma, CSIR-IMTech* – Chaperone Mediated Microautophagy in yeast

1300-1400 Lunch

1400-1630 **Poster Session-II (Even Numbers)**

1545-1630 Coffee Break

Session 8: Organelle Biology – Chair: Patrick D'Silva & Subba Rao Gangi Setty

1630-1655 *Talk: Rajan Sankaranarayanan, CCMB Hyderabad* – Role of an Organelle Contact Site Regulator in Eukaryotes: Insights from Yeast



भारतीय विज्ञान संस्थान



1655-1720 **Talk: Kausik Chakraborty, CSIR-IGIB New Delhi** – Mitochondrial surface acts as a scaffold to maintain cytosolic proteostasis

1720-1735 **Short Talk: Vineet Choudhary, AIIMS New Delhi** – Seipin marked ER sites enrich distinct factors for sterol-ester-rich lipid droplet biogenesis

1735-1800 **Talk: Sneh Lata Panwar, JNU New Delhi** – Flippases at the interface of membrane dynamics, drug resistance and pathogenesis in *Candida albicans*

1800-1825 **Talk: Dibyendu Bhattacharya, University of Michigan** – Regulation of morphology and dynamics of ultrastructures in the early secretory pathway

1825-1850 **Industry Talks** – Cytiva-Beckman Coulter (Danaher), Nikon

1850 onwards **Gala Dinner (JVF Lawns, Gymkhana IISc)**

Day 4 – 6th December 2025

0815-0910 Breakfast

0910-0915 Introduction

Session 9: Signaling & Interactions – Chair: Debabrata Laha

0915-0940 Talk (details not provided)

0945-1010 **Talk: Sneha Sudha Komath, JNU New Delhi** – Cross-connections and switching: Different modes of regulating morphogenesis in *C. albicans* via the GPI biosynthetic pathway

1010-1025 **Short Talk: Parul Mishra, University of Hyderabad** – The Ubiquitin Balance: How Shifts in Cellular Pools Reprogram Proteostasis

1025-1040 **Short Talk: Devarshi Gajjar, MSU Baroda** – Polymicrobial biofilms on urinary catheters: Investigating adhesin dynamics in flow conditions

1040-1100 Coffee Break

Session 10: Tools, Drugs & Resources – Chair: Dipankar Nandi & Sandeep Eswarappa

1100-1125 **Talk: Shirisha Nagotu, IIT Guwahati** – Yeast Parkinson's Disease Model Exhibits an Increase in Peroxisome Number Independent of Vps1 and Dnm1

1125-1150 **Talk: Sriram Varahan, CCMB Hyderabad** – A conserved metabolic network orchestrates morphological plasticity and virulence in fungi

1150-1205 **Short Talk: Ramanujam Srinivasan, NISER Bhubaneswar** – Fission yeast: a platform for prokaryotic cytoskeleton studies to antimicrobial discovery

1205-1220 **Short Talk: Anubhav Dhar, IISc Bengaluru** – Ultrastructure Expansion Microscopy of Actin Networks via an Internally-Tagged Actin

1220-1235 **Short Talk: Nitesh Khandelwal, OHSU USA** – The molecular pause button: Cryo-EM unveils ABC transporter auto inhibition

1235-1300 Next IYM announcement, Prize Distribution & Concluding Remarks