

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 Chakravorty & Ganesh Nagaraju

- 0915–0940** *Talk:* **Naweed 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, ILS 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

- 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 (JVH 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