



38th International Specialized Symposium on Yeasts: "Yeast - the Omni-Tool"

SCHEDULE

Monday, September 1 st 2025	
	Registration
	Opening ceremony Chair: Adrianna Skoneczna & Zbigniew Lazar
James Haber	Stability and instability in the repair of broken chromosomes
Judith Berman	Insights from the diversity of antifungal drug tolerance responses
	Get together
Tuesday, September 2 nd 2025	
Mark Hochstrasser	Novel regulatory features of the SUMO and ubiquitin pathways
	Deciphering of molecular mechanisms of eukaryotic cells with yeast I Chair: Martin Kupiec & Joanna Kufel
Joanna Kufel	Non-canonical translation events in the yeast <i>Saccharomyces cerevisiae</i>
	TBA
	Presentations selected from the abstracts
	Coffee break
	Deciphering of molecular mechanisms of eukaryotic cells with yeast II Chair: Joanna Kufel & Martin Kupiec
Martin Kupiec	How are mutations created?
Andriy Sibirny	Selective autophagic degradation of cytosolic proteins in <i>Komagataella phaffii</i> does not go through general macroautophagy pathway
	TBA
	Presentations selected from the abstracts
	Lunch
Kevin Verstrepen	A genome-wide screen for genes with buffering capacity

Yeast screens

Chair: Brenda Andrews & Adrianna Skoneczna

Brenda Andrews Yeast as an 'omni-tool' for functional genomics and systems biology

Hanna Tutaj Extreme positive epistasis for fitness in monosomic yeast strains

Presentations selected from the abstracts

Coffee break

Elena Kuzmin Rewiring of genetic networks in yeast and other organisms

TBA

Ewelina Celińska 'Small Volume – Big Problem': Culturing *Yarrowia lipolytica* in high-throughput micro-formats

Presentations selected from the abstracts

Poster session 1

Wednesday, September 3rd 2025

Xin-Qing Zhao Making yeast more powerful: from the beginning to the future

Metabolism and metabolomics I

Chair: Diethard Mattanovich & Hiroshi Takagi

Diethard Mattanovich Metabolic pathway design for efficient conversion of single carbon substrates into building block chemicals

TBA

Presentations selected from the abstracts

Coffee break

Metabolism and metabolomics II

Chair: Ewelina Celińska & Diethard Mattanovich

Hiroshi Takagi A novel proline metabolism found in *Saccharomyces cerevisiae* and its application to biotechnology

Zbigniew Lazar Hexokinase: the mysterious guardian of cellular energy

TBA

Presentations selected from the abstracts

Lunch

Event

Coffee break

Duccio Cavalieri Yeast as omni-tool to study host microbiome interactions

Humanized yeast in health research

Chair: Ľubomír Tomáška & Teresa Źołądek

Róža Kucharczyk

Studies in yeast revealed a molecular mechanism of neurodegenerative diseases linked to MT-ATP6 mutations

ĽubomírTomáška

Expanding the yeast mitochondrial proteome by means of post-translational modifications

Presentations selected from the abstracts

Poster session 2

Thursday, September 4th 2025

Gianni Liti

Saccharomyces variation across the world

Yeast in population and evolution models

Chair: Cécile Neuvéglise & Matthias Sipiczki

Matthias Sipiczki

Evolution of mitochondrial genomes in interspecies *Saccharomyces* hybrids

TBA

Presentations selected from the abstracts

Coffee break

The Young Researchers Reports

Chair: Vivien Measday & Maciej Wnuk

Presentations selected from the abstracts

Lunch

Fermentation, food and beverages

Chair: Francisco Carrau & Zbigniew Lazar

Francisco Carrau

The shikimate pathway in *Hanseniaspora vineae*: a natural eukaryotic model to increase flavor bioactive compounds biosynthesis from the aromatic amino acids.

Hüseyin Erten

Control of blue and green moulds on apples by antagonistic yeasts, and their effect on quality parameters during ambient and cold room storages

Presentations selected from the abstracts

Coffee break

Presentations selected from the abstracts

Conference dinner

Friday, September 5th 2025

Yeasts as molecular factories

Chair: Paola Branduardi & Rodrigo Ledesma-Amaro

Paola Branduari Yeast biodiversity and metabolic engineering for creating novel value chains in industrial biotechnology

Rodrigo Ledesma Amaro Sustainable food manufacturing using microbial metabolic engineering

Presentations selected from the abstracts

Coffee break

Closing ceremony

Jens Nielsen Analysis and Engineering of Yeast Metabolism

Awards ceremony

Closing remarks



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