BtBs Seminars
Biotechnology and Biosciences Seminars

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RNA Metabolism Defects and Premature Ageing in *Saccharomyces cerevisiae*

Saccharomyces cerevisiae serves as a model to study human cellular processes, such as aging and programmed cell death, owing to conserved eukaryotic pathways.

LSM (SM-like) mutants (e.g., lsm4Δ1) are valuable tools for aging research because they exhibit premature aging phenotypes, such as shorter lifespans, stress sensitivity, and increased cell death, making them excellent models for studying aging mechanisms, RNA metabolism disruption, protein aggregate clearance (proteostasis), and the efficacy of potential anti-aging conditions and compounds. These mutants were used to understand how defects in RNA processing and degradation (linked to LSM proteins) lead to cellular dysfunction and accelerated aging, often involving compromised autophagy and oxidative stress.

Thursday
January 29, 2026

4.30 pm
to 5.30 pm

U3-BIOS building
room U3-09

Host:
Sonia Colombo

The certificates of attendance for the seminar are also valid for the acquisition of CFU credits
For information, please visit the seminar's webpage

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