

31^o International Conference on Yeast Genetics and Molecular Biology

Florence, 20-25 August 2023

Systems biology

Author of report

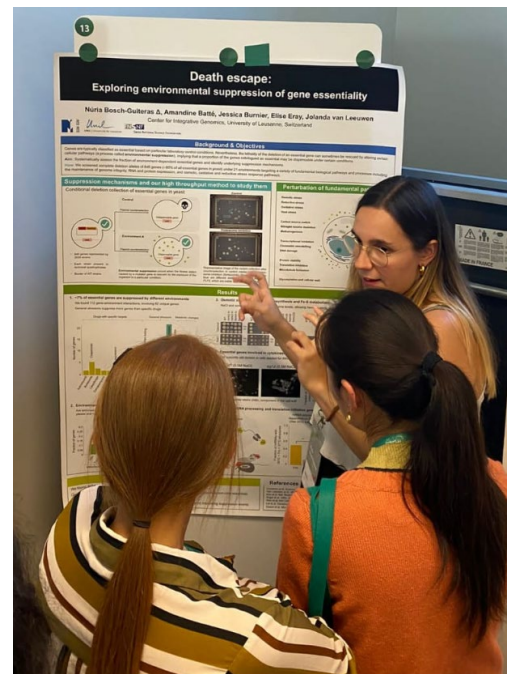
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The International Conference on Yeast Genetics and Molecular Biology (ICYGMB) is one of the biggest conferences on the field. After happening online in 2021, this year the conference brought together more than 400 yeast geneticists from 40 different countries. The aim was clear: create synergies, genuine discussion, keep the yeast community strong and look to the future of yeast research.

The conference covered a wide range of topics, as yeast evolutionary genomics, aging, biotechnology or -most relevant for myself- systems genetics. Indeed, the program included Prof. Brenda Andrews, Prof. Charlie Boone, Prof. Gianni Liti, Prof. Joseph Schacherer, Prof. Elena Kuzmin or Prof. Francesc Posas, whose work is exceptionally relevant for my research.



Poster presentation on Wednesday 23rd.

I presented my project on systematic analysis of environmental suppression of essential genes. I aim to map the fraction of the *S. cerevisiae*'s essential genes that turn to be non-essential in the presence of a certain environment (drugs, general stressors, metabolic changes) to contribute understanding the complexity of the genotype to phenotype relationship. The ICYGMB has given me precise new ideas to test in the lab to help me elucidate what are the molecular mechanisms behind some of the suppression interactions I described.

The warmth of the yeast community and the openness for discussion has been a boost of inspiration. I would thereby like to thank the Swiss Society for Microbiology for this travel award.