



Agriculture and Microbiomes towards the Future

New Perspectives between Research and Innovation

CNR - Consiglio Nazionale delle Ricerche
Roma • 18 ottobre 2024 • h.8.30



PRIMA

PARTNERSHIP FOR RESEARCH AND INNOVATION
IN THE MEDITERRANEAN AREA



The PRIMA programme is an Art. 185 initiative supported and founded under Horizon 2020, the European Union's Framework Programme for Research and Innovation

🕒 **8.30 – Registration**

🕒 **9.15 - Welcome by:**

M. Gamboni, CNR, Istituto di Bioscienze e Biorisorse
A. Riccaboni, Chair PRIMA Program

10.00 OPTIMUS PRIME

Optimal usage of natural product and biological priming agents to improve resilience of agrosystems to climate change

Vincent Arbona, University Jaume I - Castelló de la Plana

Overview and Achievements

Miguel González-Guzmán, University Jaume I - Castelló de la Plana

Transcriptional and metabolomic insights in the effects of multiple concurring stresses on tomato. Beneficial effects of seed priming.

11.00 COFFEE BREAK

11.30 PROSIT

Plant Microbiomes for a Sustainable Viticulture

Michela Zottini, Department of Biology, University of Padua

Investigating the role of endophytes in enhancing grapevine resilience to drought

Philippe Gallusci, University of Bordeaux

Grapevine response to drought stress: from DS priming to microbiota influence

12.30 REVINE

Regenerative agricultural approaches to improve ecosystem services in Mediterranean vineyards

Andreia Figueiredo, Biosystems and Integrative Sciences Institute, University of Lisbon.

Enhancing biotic and abiotic stress resilience in grapevine: innovative approaches with marine PGPB and pathogen-driven lipid elicitors

Luca Nerva, Researcher, CREA

Improving stress resilience and agroecosystem services exploiting beneficial microbes collected across Mediterranean environments

13.30 LUNCH

14.30 RESCHEDULE

Resilient to climate change extremes mediterranean agricultural systems

Nikolaos Paranychianakis, Technical University of Crete

Overviews and Achievements

Thomas Reitz, Helmholtz Centre for Environmental Research – UFZ - Halle

Climate change impact on agronomic plant parameters and the associated soil microbiome in agricultural systems of Germany and Italy

15.30 BENEFIT

Med Boosting technologies of orphan legumes towards resilient farming systems in the Greater Mediterranean Region: from bench to open field

Alma Balestrazzi, University of Pavia

Overviews and Achievements

Andrea Pagano, University of Pavia

Seed priming applied to orphan legumes: from bench to field

16.30 Closing Remarks

Davide Pacifico, CNR, Istituto di Bioscienze e Biorisorse