



RIVERSIDE | College of Natural & Agricultural Sciences

Summer seminar

Dr. Luca Nerva



Researcher at CREA – Research Centre for Viticulture and Enology, Italy
Lecturer as Adjunct Professor – Plant Pathology, University of Ferrara, Italy
Associate Researcher - Institute for Sustainable Plant protection – CNR, Italy

Revolutionizing grapevine: Genome Editing and Microbial Breeding for a sustainable future

Friday, July 25th, 2025 | 10:00 am
Genomics Auditorium 1102A

Abstract:

Enhancing plant resilience to climate change can be achieved through various strategies. In grapevine, genome editing preserves unique genotypic traits while optimizing specific characteristics. Simultaneously, the hologenome concept—recognizing the plant and its associated microbiome as a single evolutionary unit—has highlighted the potential of microbial breeding. Leveraging both genome editing and microbial breeding is emerging as a powerful approach for grapevine improvement, with significant advancements already achieved and poised for implementation.