



# Lorenzo Calzini

PLANT BIOTECHNOLOGIST

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Cortona - Tuscany (Italy)

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Alma Mater Studiorum -  
University of Bologna  
2025 - Present

Alma Mater Studiorum -  
University of Bologna  
2025 - 2026

Leibniz Institute of Plant  
Genetics and Crop  
Plant Research (IPK)  
2024

A.U.B. - Azienda  
Agraria dell'Università  
di Bologna  
2021

Alma Mater Studiorum -  
University of Bologna  
2022 - 2024

Alma Mater Studiorum -  
University of Bologna  
2019 - 2022

Liceo Classico "Luca  
Signorelli"  
2014 - 2019

## WORK EXPERIENCE

### Research Fellow in Plant Genetics

Employing CRISPR/Cas9 technologies for genome editing in wheat and barley through *Agrobacterium*-mediated transformation and Virus Induced Gene Editing (VIGE).

### Academic Tutor

Providing teaching support for the Bachelor's degree in Plant Biotechnology, assisting students with laboratory sessions focused on genome editing.

### Plant Biotechnologist - Internship

Developing CRISPR/Cas9 systems to knockout candidate resistance genes for Soil-Borne Cereal Mosaic Virus (SBCMV), enabling functional validation in resistant genotypes via *Agrobacterium*-mediated transformation.

### Junior Lab Assistant - Internship

Fruit breeding and germplasm conservation, including orchard management and the evaluation of fruit quality through chemical, physical, and sensory analyses.

## EDUCATION

### M.Sc. in Agricultural Sciences and Technologies - Plant Production and Biotechnology

Identification of resistance genes to Soil-Borne Cereal Mosaic Virus in durum wheat [*Triticum turgidum* L. subsp. *durum* (Desf.) Husn.] and development of genome editing systems for functional validation.

*Research Period and Master's Thesis Abroad Scholarship.*  
110/110 summa cum laude (Menzione di Merito)

### B.Sc. in Agricultural Technologies

Quinoa (*Chenopodium quinoa* Willd.): first cultivation experiences in Tuscany.

110/110 cum laude

### High School Diploma

100/100

East Sussex College  
2017



**Certificate of Completion** - English Summer School

St. John's School  
2016



**Certificate of Completion** - English Summer School

## CERTIFICATIONS AND VOLUNTEERING

Cautha ETS  
2021 - Present



### **Volunteer**

Cautha ETS is a non-profit association dedicated to cultural promotion and youth engagement.

AICA  
2019



### **ECDL (European Computer Driving Licence)**

Cambridge University  
Press & Assessment  
2018



### **B2 First**

## LEADERSHIP EXPERIENCE

Cautha ETS  
2023 - Present



### **Accounting Manager**

Managing accounting, interacting with sponsors and partners, increasing Cautha ETS membership from 22 to 215 active members within two years.

Cautha ETS  
2022 - Present



### **Founder and Lead Organizer of Festival della Scienza Cauthamente**

Founded one of Central Italy's flagship science festivals, hosting leading European scientists and international exhibitions, under the patronage of the European Parliament and prestigious academic institutions including Scuola Normale Superiore di Pisa, Sapienza University of Rome, and the Universities of Perugia, Siena, Pisa, and Brescia.

Azienda Agricola Calzini  
2019 - Present



### **Farm Manager**

Managing agricultural operations and crop diversification, pioneering the introduction of alternative crops as the first farm in Central Italy to cultivate quinoa.

## LINKS

UniBo



<https://www.unibo.it/sitoweb/lorenzo.calzini2>

LinkedIn



[www.linkedin.com/in/lorenzocalzini](http://www.linkedin.com/in/lorenzocalzini)

Cautha ETS



<https://www.cauthacortona.it>