



Eva Campo

Date of birth:

09/01/1995

Language Skills:

Italian: native

English: B2

French: basic

## EDUCATION

### PhD student

University of Turin; Department of Agricultural, Forestry and Food Sciences (DISAFA).  
01/2022 – present

### Master's Degree in Plant Biotechnology

University of Turin; Department of Agricultural, Forestry and Food Sciences.  
Field of the degree course: LM-6 and LM-7-2nd level degree in Biology and Agricultural biotechnologies.  
Thesis title: "Establishment of a method for the protoplasts-based gene editing in *Cichorium intybus*"  
Thesis supervisor: Prof. Moglia A. and Dr. Cankar K. (Wageningen University and Research).  
Credits: 120 ECTS | 10/2018 – 25/11/2020  
Grade: 110/110

### One-year Specialization: International Plant Breeding

Aeres University of Applied Science, Almere, The Netherlands.  
09/2019 – 08/2020  
Credits: 50 ECTS

### Bachelor's Degree in Biological Sciences

University of Turin; Department of Life Sciences and Systems Biology.  
Field of the degree course: cellular-biomolecular L-13, 1st level degree in Biology.  
Thesis title: "Employment of plant as bioreactors for the development of new generation vaccines"  
Thesis supervisor: Prof. Berteà C. M.  
Credits: 180 ECTS | 10/2014 – 05/04/2018 | Protocol: N. 8317

## SKILLS AND TRAINING SUMMARY

### Research activity at the PlantStressLab, DISAFA

Employed as: PhD student | From 01/2022 ongoing  
Main activities and responsibilities: Refinement of a process to extract strigolactones from exudates obtained from agro-industrial wastes and enhancement of their endogenous production through genome editing of tomato protoplasts. Transfection with visual system as GFP and PDS.

### Research activity at the PlantStressLab, DISAFA

Employed as: fellowship researcher for EIT Food project BIOSUVEG | From 09/2021 to 12/2021  
Main activities and responsibilities: Innovative biostimulants for sustainable fruit production from vegetable crops (BIOSUVEG). Enhancing vegetable crop yields for sustainable food production through the optimisation of the formulation of a biostimulant and testing under different operational conditions, evaluating crop performance as both yield and nutritional quality.

### Research activity at the Bioscience Unit at Wageningen University and Research (WUR)

Employed as: master's thesis student | From 02/2020 to 06/2020  
Main activities and responsibilities: Successful development of an innovative protocol for the isolation, embedding and transfection of chicory protoplasts for the CHIC project (funded by the EU program Horizon 2020). Acquired skills in protoplasts culture management and regeneration into plants. Transfection with visual system as GFP and results analysis.

### Internship at the Aeres Applied Sciences University in Almere (the Netherlands)

Employed as: intern/trainee - internship | From 10/2019 to 12/2019  
Main activities and responsibilities: *In vitro* culture of *Solanum lycopersicum* (cv. Dancing with the smurfs) and regeneration from leaf, cotyledons and hypocotyls.

### Undergraduate Internship at the Plant Physiology Unit in Turin (TO)

Employed as: intern/trainee - undergraduate internship | From 10/2017 to 12/2017  
Main activities and responsibilities: Chemical analysis (GC/MS FAME analysis and DMAC) and DNA fingerprinting. Chemical investigation of plant natural secondary metabolites by GC analysis, bioactive compounds evaluation (such as PAC by BL-DMAC spectrophotometric assay) and plant species characterisation by DNA fingerprinting.

### Skills and academic experience in plant biotechnology

GoldenBraid® technology; agroinfiltration with *Agrobacterium tumefaciens*; co-culture transformation; protoplast transfection for CRISPR/Cas9 editing; RNA and DNA extraction; PCR; RT-PCR; laser microdissection; fluorescent microscope analysis of GFP expression on infected roots and different protoplasts species; SSR microsatellites characterization of *Corylus avellana* cv. and bioinformatic analysis (as sequence alignment on reference genome, SNP calling, sequence assembling, RNAseq, ...).