

PERSONAL INFORMATION

**Cristina Votta**

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Gender Female | Date of birth 22/02/1993 | Nationality Italian

EDUCATION AND TRAINING

1 October 2018- present

PhD student in Biological Sciences and Applied Biotechnologies

University of Turin, Department of Life Sciences and Systems Biology (www.unito.it)

Main project: Carotenoid cleavage dioxygenase encoding genes as regulators of development and responses to biotic and abiotic stresses in crop plants.

Supervisor: Prof.ssa Luisa Lanfranco

December 2015 – december 2017

Master's Degree in Plant Biotechnology

University of Turin, Department of Life Sciences and Systems Biology (www.unito.it)

Title: The rice gene *Oszas* has an impact on root morphogenesis and mycorrhizal colonization.
Supervisor: Prof.ssa Paola Bonfante

110/110 cum laude and *honour mention*

October 2012 – december 2015

Bachelor's degree in Agricultural Sciences and Technologies

University of Turin, DISAFA (www.unito.it)

Title: The sequencing of nonpungent and hot pepper genomes provides insights into the evolution of pungency in *Capsicum* species.

Supervisor: Prof. Alberto Acquadro

106/110

September 2007 – june 2012

High school qualification in Scientific Studies

Liceo scientifico Aldo Moro (www.istitutomoro.it)

Main Subjects studied: Biology, Chemistry, Earth Sciences, Latin.

98/100

PRACTICAL EXPERIENCE

November 2016 – november 2017

Internship

Morphological and Molecular approaches to study arbuscular mycorrhizae

Characterization of the *Oszas* (Zaninone Synthase) mutation on AM symbiosis in rice plants.

University of the Studies of Turin, Department of Life Sciences and Systems Biology (www.unito.it)

March 2017 – June 2017

Internship

Micropropagation of buds of recalcitrant plants (e.g. *Castanea sativa* and *Corylus avellana*)

University of Turin, DISAFA (www.unito.it)

PERSONAL SKILLS AND
COMPETENCES

Languages	Italian (mother tongue) English (B1 - Preliminary English Test, University of Cambridge Esol Examinations)
Technical skills and competences	Molecular biology techniques used in plant biology (RNA and DNA extraction, RT-PCR, qRT-PCR). Microscopy techniques: Laser Microdissection technology; acid fuchsin, cotton blue, DAPI, Feulgen, Lugol staining; PAS reaction. Root sections. Plant physiology tools: phosphate quantification. Phenological data acquirement and data processing. Seeds sterilization and preparation of specific growing media. Micropropagation in vitro of buds and explants.
Computer skills	Microsoft Office (applications as Excel, PowerPoint and Word) (ECDL) Use of software for image analysis: ImageJ Use of software for statistical analysis: Past
Organisational skills and competences	Predisposition to collaboration and organization, also in team, acquired during my studies. Punctuality in meeting deadlines. Accuracy in carrying out the assigned tasks.

OTHER INFORMATION

Presentations in International Conferences	Votta C., Fiorilli V., Gómez-Ariza J., Fornara F., Lanfranco L. The expression of <i>Rhizophagus irregularis RiPEIP1</i> gene in rice promotes plant growth and mycorrhizal colonization. 4th international Molecular Mycorrhiza Meeting (iMMM) , Turin, Italy 6 - 8 February 2019 (Poster presentation). Fiorilli V., Votta C., Wang J., Haider I., Jamil M., Mi J., Baz L., Saito Y., Boubacar A. Kountche ¹ , Kun-Peng Jia ¹ , Guo X., Balakrishna A., Ntui V., Reinke B., Volpe V., Gojobori T., Bliilou I., Lanfranco L., Bonfante P., Al-Babili S. Zaxinone, a natural apocarotenoid, is involved in the establishment of the arbuscular mycorrhizal symbiosis. 4th international Molecular Mycorrhiza Meeting (iMMM) , Turin, Italy 6 - 8 February 2019. Votta C., Fiorilli V., Gómez-Ariza J., Fornara F., Lanfranco L. Rice plants expressing the <i>Rhizophagus irregularis RiPEIP1</i> gene show enhanced growth and increased level of mycorrhizal colonization. International Society for Molecular Plant-Microbe Interactions (IS-MPMI) XVIII Congress , Glasgow, Scotland 14-18 July 2019 (Poster presentation). Fiorilli V., Haider I., Votta C., Wang J., Jamil M., Mi J., Kountche B., Jia K., Balakrishna A., Lanfranco L., Bonfante P., Al-Babili S. Zaxinone, a natural apocarotenoid, is involved in the establishment of the arbuscular mycorrhizal symbiosis. International Society for Molecular Plant-Microbe Interactions (IS-MPMI) XVIII Congress , Glasgow, Scotland 14-18 July 2019.
Awards	Award for the “Best Graduation Thesis” of academic year 2016/2017 , May 2019 University of Turin Travel grant for the participation at 114° Congress of the Società Botanica Italiana (SBI), Padova, Italy 4-7 September 2019.