

Personal information

First name / Surname **Federica De Marco**
E-mail demarco.federica@gmail.com
Nationality Italian
Date of birth 09/10/1985
Gender Female

Education and training

Dates 01/01/2011 – 02/04/2014
Title of qualification awarded PhD degree in “Agriculture Science and Biotechnology”
Thesis: Stolbur phytoplasma and its interactions with the phloem tissue. Supervisor: Dr. Rita Musetti.
Principal subjects/occupational skills covered RNA extraction techniques, gene expression analysis by Real Time PCR, *in situ* hybridization technique; light, confocal and transmission electron microscopy.
Name and type of organisation providing education and training University of Udine

Dates October 2007-10/12/2009
Title of qualification awarded Degree in Agricultural biotechnology (110/110 cum laude).
Thesis: Caratterizzazione dei meccanismi di trasporto degli assimilati in semi di frutti di pesco durante lo sviluppo. (Characterization of sugars transport mechanisms in peach seeds during their development).
Principal subjects/occupational skills covered RNA extraction techniques, gene expression analysis by Real Time PCR.
Name and type of organisation providing education and training University of Udine

Dates October 2004-04/10/2007
Title of qualification awarded Degree in Biotechnology (105/110).
Thesis: Via biosintetica dei carotenoidi e dell'acido abscissico in frutti di pesco: identificazione dei principali geni coinvolti e studio dei profili di espressione durante lo sviluppo (Carotenoids and abscisic acid pathways in peach fruit: identification of involved genes and expression analyses during the fruit development).
Principal subjects/occupational skills covered RNA extraction techniques, gene expression analysis by Real Time PCR.
Name and type of organisation providing education and training University of Udine

Other experience

Dates 30/01/2012 – 03/02/2012, Turin
Training Training period concerning diagnosis molecular tools.
Name and type of organisation providing education and training Plant Virology Institute of Turin
Dates 05-08/07/2011, Vilnius
Training School on bioinformatical analyses of phytoplasma sequences.
Name and type of organisation providing education and training COST ACTION FA0807
Dates September – November 2009, University of Udine

<p>Training Name and type of organisation providing education and training</p>	<p><i>In situ</i> hybridization techniques. University of Udine</p>
<p>Publications</p>	<p>Santi S., De Marco F., Polizzotto R., Grisan S., Musetti R. (2013). Recovery from stolbur disease in grapevine involves changes in sugar transport and metabolism. <i>Frontiers in Plant Science</i> vol 4: 171.</p> <p>Santi S., Grisan S., Pierasco A., De Marco F., and Musetti R. (2013) Laser microdissection of grapevine leaf phloem infected by stolbur reveals site-specific gene responses associated to sucrose transport and metabolism. <i>Plant, Cell & Environment</i> 36, 343-355.</p> <p>Musetti R., Buxa S.V., De Marco F., Loschi A., Polizzotto R., Kogel K.H., van Bel A.J.E. (2013) Phytoplasma-triggered Ca²⁺ influx is involved in sieve-tube blockage. <i>Molecular Plant-Microbe Interactions</i> 26, 379-386.</p> <p>Musetti R., Farhan K., De Marco F., Polizzotto R., Paolacci A., Ciaffi M., Ermacora P., Grisan S., Santi S., Osler R. (2013). Differentially-regulated defense genes in <i>Malus domestica</i> during phytoplasma infection and recovery. <i>European Journal of Plant Pathology</i>, 136:13-19.</p> <p>Falchi R., Zanon L., De Marco F., Nonis A., Pfeiffer A., Vizzotto G. (2013). Tissue-specific and developmental expression pattern of abscisic acid biosynthetic genes in peach fruit: possible role of the hormone in the coordinated growth of seed and mesocarp. <i>Journal of Plant Growth Regulation</i> 32, 519-532.</p> <p>Musetti R., De Marco F., Farhan K., Polizzotto R., Santi S., Ermacora P., Osler R. (2011). Phloem-specific protein expression patterns in apple and grapevine during phytoplasma infection and recovery. <i>Bulletin of Insectology</i> 64 (Supplement): S211-S212.</p>
<p>Abstracts</p>	<p>Buxa S.V., Polizzotto R., De Marco F., Loschi A., Kogel K.H., van Bel A.J.E., Musetti R. Re-arrangement of sieve element endomembrane network in tomato leaves infected by Stolbur phytoplasma. COST Action FA 0807 "Integrated Management of Phytoplasma Epidemics in Different Crop Systems". Lisbon, 30/09-01/10-2013.</p> <p>Farhan K., Grisan S., Polizzotto R., De Marco F., Ermacora P., Musetti R. (2012) Induction of defence genes in apple leaf tissues by an endophytic strain of <i>Epicoccum nigrum</i> and its possible use in the control of the apple proliferation disease. <i>Petria, Proceedings of 22nd International Conference on Virus and Other Graft Transmissible Diseases of Fruit Crops' (ICVF), 8th June 2012 Roma (Italy) p. 109.</i></p> <p>Musetti R., Farhan K., Grisan S., Polizzotto R., De Marco F., Ermacora P. (2012) Fungal endophytes as innovative tools for phytoplasma disease control. <i>Proceedings of COST Action FA1103 Meeting - Endophytes in Biotechnology and Agriculture: November 14-16th 2012, San Michele a/A (TN) Italy, p. 35.</i></p>
<p>Attended conferences</p>	<p>COST Action FA1103 Meeting: Endophytes in biotechnology and agriculture, 14-16th November 2012, San Michele all'Adige (TN) – Italy.</p> <p>SIPaV 2012 - XVIII Convegno Nazionale Società Italiana di Patologia Vegetale, 24-26th September 2012, Sassari – Italy.</p> <p>Workshop “Il Recovery da Fitoplasmosi: conoscenze recenti e sue implicazioni pratiche”, 1st-2nd September 2011, Udine – Italy.</p> <p>2nd Bois Noir Workshop 2011, February 27th- March 1st 2011, Cison di Valmarino (TV) – Italy.</p>
<p>Personal skills and competences Mother tongue</p>	<p>Italian</p>

Other language
Self-assessment
European level (*)
English

Understanding		Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production	
B2		C1		B1		B1	

(*) [Common European Framework of Reference for Languages](#)