Europass Curriculum Vitae

Riccardo Velasco, PhD

h-index = ISIWeb 60, Scopus 65, Gscholar 69
n. of ISI-Web publications = 157
total impact points = over 800

Consiglio per la Ricerca in Agricoltura e
l'Analisi in Economia Agraria CREA-VE
Via XXVIII aprile, 26
31015 Conegliano (TV) Italia
Phone +39-0438-456725
Cell. +39-335-7801956

Direttore del Centro di Viticoltura ed Enologia
Consiglio per la Ricerca in Agricoltura e
l'Analisi dell'Economia Agraria (CREA-Viticoltura ed Enologia)

Membro corrispondente dell'Accademia dei Georgofili
Membro ordinario dell'Accademia della Vite e del Vino
Membro ordinario dell'Accademia Nazionale dell'Agricoltura

Honorable Research Lecturer of the Year 2007
The American Society of Enology and Viticulture
<< The Grape Genome >>

Abiitazione Scientifica Nazionale di prima fascia in:
Genetica Agraria (AGR07) (febb 2024)
Biologia Applicata (BIO13) (febb 2024)
Coltivazioni Arboree (AGR03) (sett 2028)

OIV 2018-oggi	**Membro della sottocommissione GENET, commissione VITICOLTURA presso L'Organizzazione Internazionale Vitivinicola OIV (Digione, F)**
HCERES 2019	**Valutatore Centri di ricerca INRA (F)** **Presidente della commissione, sede di Montpellier**
ANVUR 2011-14	**Membro del panel CINECA ANVUR (Expert Evaluation Group)** **GEV07 Agraria e Veterinaria**

INFORMAZIONI PERSONALI

nome / cognome	**Riccardo Velasco**
Indirizzo	
Recapiti telefonici	
ufficio	0438 456725 0438 456737 (segr.)
E-mail	riccardo.velasco@crea.gov.it – PEC : riccardo.velasco@pecprivati.it
Nazionalità	
Data di nascita	
Luogo di nascita	
Genere	

Studi universitari

Date	1991-1995
Titolo ottenuto	PhD - (1 luglio 1995)
Tematica	Plant molecular biology – voto 1 (Magna cum Laude)
Nome dell'ente	Max Planck Institut - Universitaet zu Koeln (Germany) Math. Naturwiss. Fakultaet
Classificazione internazionale	Top class European research Institutes

Date	1982-1989
Titolo ottenuto	Laurea in Scienze Agrarie – (28 febbraio 1990)
Tematica	Orientamento produzioni vegetali – voto 110/110
Nome dell'ente	Università degli Studi di Firenze (Italia) Facoltà di Agraria

Carriera scientifica e professionale

Precedente all'assunzione in FEM-IASMA

(1989-1990) ***Laurea in Scienze Agrarie***
Desiccation tolerance in maize embryo. Role of abscisic acid.
Università di Firenze – Supervisore: Prof. C. Vazzana.

(07/'89-09/'89) ***Borsa di studio***
Isolation of cold stress resistant barley genes.
Erasmus-EU fellowship at the Max-Planck-Institut für Züchtungsforschung, Köln.
Supervisore Prof. F. Salamini.

(05/'90-04/'91) ***Servizio militare*** – Aereonautica militare

(07/'91-12/'92) ***Borsa di studio***
Tobacco transformation by means of water stress resistant genes.
Fellowship of region of Umbria (Italy) and the EU at the Max-Planck-Institut für Züchtungsforschung, Köln. Supervisore: Prof. D. Bartels.

(01/'93-03/'95) ***Borsa di studio***
Characterization of the expression of the desiccation-related gene CDet11-24 isolated from the resurrection plant *Craterostigma plantagineum* Hochst. and analysis of its promoter in transgenic plants.
Max-Planck-Gesellschaft fellowship at the Max-Planck-Institut für Züchtungsforschung, Köln. Supervisore: Prof. D. Bartels.

(09/'94) ***Borsa di studio***
Gatsby Charitable Foundation - John Innes Centre

(05/'95-06/'97) ***Post dottorato***
DFG-project: Characterization of DNA/protein interaction in the Polymerase I System.
University of Tuebingen, chair of Genetics - Supervisore: Prof. V. Hemleben.

(06/'97-07/'99) ***Post dottorato***
Dissection of wax synthetic pathways by transposon tagging.
Universitaet zu Koeln, chair of Botany - Supervisore: Prof. F. Salamini.

FEM-IASMA (1999-2017)
CREA (2017-oggi)

Date	**luglio 1999 – ottobre 2000 - Istituto Agrario di San Michele all'Adige**
Occupazione	Ricercatore di 3° livello (R3)
Principali attività e responsabilità	Junior research staff
Settore di impiego	Genetica e genomica di vite e melo

Date	**ottobre 2000 – settembre 2005** fino ad agosto 2003, Ricercatore di 3° livello (R3), **1 settembre 2003, Ricercatore 2° livello, (R2, Primo ricercatore**)
Occupazione	Responsabile di Area Biologia Avanzata, senior management (capo ufficio)
Principali attività e responsabilità	6 membri staff – più dottorandi e post doc (fino a 20)
Settore di impiego	Coordinatore del progetto Biologia avanzata (3.7 Million of €) Set up di 1,200 m^2 di laboratori Breeding molecolare in vite e melo Sviluppo delle piattaforme di sequenziamento e bioinformatica

Date	**settembre 2005 – dicembre 2007**
Occupazione	Responsabile del dipartimento di biologia e genetica molecolare Ricercatore di 2° livello (**R2**, **Primo ricercatore**)
Principali attività e responsabilità	45 membri staff – inclusi post-doc e PhD students
Settore di impiego	Breeding molecolare in vite e melo Bioinformatica Genomica Strutturale e Funzionale Sequenziamento dei genomi della vite e del melo

Date	**gennaio 2008 – agosto 2017 – Fondazione E. Mach di San Michele all'Adige**
Occupazione	Coordinatore del dipartimento di Genomica e Biologia delle Piante da Frutto 1 gennaio-30 marzo 2008 Ricercatore 2° liv. (**R2**, **Primo ricercatore**), **1 aprile 2008 Dirigente di ricerca** (**R1**)
Principali attività e responsabilità	80-120 membri staff – inclusi post-doc e PhD students
Settore di impiego	Genomica Strutturale e Comparata Genomica Funzionale Genetica Molecolare e Breeding assistito Biotecnologie vegetali

Date	**settembre 2017 – dicembre 2021 - CREA Viticoltura ed Enologia**
Occupazione	**Direttore** Centro di Ricerca in Viticoltura ed Enologia Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria (Ente controllato dal MiPAAF)
Principali attività e responsabilità	150 membri staff – amministrazione, ricerca e sperimentazione

Settore di impiego	Viticoltura Enologia Miglioramento genetico Biotecnologie applicate
Date	**Gennaio 2022 - oggi - CREA Viticoltura ed Enologia**
Occupazione	**Direttore** Centro di Ricerca in Viticoltura ed Enologia Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria (Ente controllato dal MASAF)
Principali attività e responsabilità	150 membri staff – amministrazione, ricerca e sperimentazione
Settore di impiego	Viticoltura Enologia Miglioramento genetico Biotecnologie applicate
Abilitazione Scientifica Nazionale	**BIO13 – Biologia Applicata** **(full Professor)** **AGR07 – Genetica Agraria** **(full Professor)** **AGR03 – Coltivazioni Arboree** **(full Professor)**

Responsabilità e premi

ASSOCIATE EDITOR	Agronomy Plants International Journal of Wine Research Molecular Genetics and Genomics Plant Molecular Biology Reporter Frontiers in Crop Science and Horticulture American Journal of Oenology and Viticulture (fino a 2014) Tree Genetics and Genomes (fino a 2013)
REVIEWER of JOURNALS (LAST 5 YEARS)	Theoretical and Applied Genetics, Molecular Breeding, Journal of Food Chemistry, Genome, Plant Breeding, Plant Physiology and Biochemistry, BMC Bioinformatics, American Journal of Viticulture and Enology, BMC Biology, Functional and Integrative Genomics, Trends in Genetics, Nature Genetics, Plant Journal
REVIEWER of RESEARCH GRANTS	University of Padova, referee for genetics, genomics and molecular biology of fruit trees; University of Milano, referee for genomics projects in plants; Ministry of Research and University, FIRB and PRIN Actions; Genoplante (F); KBBE EraNet; Ateneo Italo-Tedesco; Ateneo Italo-Francese; Parco Tecnologico Padano, ARS France, Ministry of Research Slovenja
PREMI e RICONOSCIMENTI	1. **Honorable Research Lecturer** of the Year 2007, the Grape Genome, The American Society of Enology and Viticulture 2. **Premio Assoenologia 2013**, Role of Resveratrol in Grape Defence "Best scientific publications 2010-2012". 3. **Premio "N. Strampelli" 2013**, Società Italiana di Genetica Agraria (co-autore) 4. **Chair** of the Working Group "Molecular Markers in Horticulture" of the International Society of Horticultural Science, **ISHS**. (2013-2018) 5. **Green Grapes Award** Grottaglie 2022 – GAL Magna Grecia 6. **Premio Associazione Nazionale Cultura e Sport** (AICS) "Intuizione e Continuità" 2022

AFFILIAZIONI
- Co-fondatore e membro dell'International Grapevine Genome Program (2001, Davis CA)
- membro del Consiglio della Società Italiana di Genetica Agraria, anni 2004-2005
- socio della Società Italiana di Genetica Agraria dal 1992
- socio della Società Italiana di Ortofrutticoltura dal 2018
- candidato Vice-presidente per la Società Italiana di Genetica Agraria (2021-23)

Progetti nazionali ed internazionali

Dates **EXTERNAL GRANTS AS <u>PRINCIPAL INVESTIGATOR</u>**
(total budget managed between 2000 and 2021: approximately 35 Mio €)

2018-2023 Partecipazione a numerosi progetti del CREA Viticoltura ed Enologia, come senior manager o senior scientist, ma non PI (compito preferenzialmente lasciato ai ricercatori), tra questi: 3 progetti europei (1 H2020, 1 PRIMA, 1 Interreg), numerosi PSR regionali in Veneto, Puglia, Toscana, progetti MISE, MIUR, MIPAAF, con una media annuale di progetti finanziati per il CREA VE <u>crescente nei 5 anni</u> (ad es. progetti europei da 2 nel 2017 a 9 in corso nel 2022).

2018 Progetto Vitech – BIOTECH, MIPAAF, Biotecnologie applicate al miglioramento genetico della vite per incrementare sostenibilità e competitività della filiera (**progetto strategico ministeriale)** (6 mio € a CREA, 800 k€ al CREA VE)

2017 Progetto VitVive – PSR Regione Veneto, Innovativi modelli di sviluppo, sperimentazione ed applicazione di protocolli di sostenibilità della vitivinicoltura veneta (**a bando, POR FESR reg. Veneto**) (6 mio € a CREA, 450 k€ al CREA VE)

2016 Progetto CARIPLO – Ricerca integrata sulle biotecnologie industriali e sulla bioeconomia progetto "GrAptaResistance: a novel strategy based on peptide aptamers to protect grapevine from downy mildew fungal infection", in collaboration with UNIMI (**a bando, fond. CARIPLO**) (450 k€)

2016 Progetto Euregio – "VITISANA: Dissecting the genetic basis of negative quality traits in new disease resistant grapevines", in collaboration with Experimental station Laimburg d University of Innsbruck. (**a bando, Euregio**) (400 k€)

2015 European Research Project, Marie Sklodowska Curie "Genevabreed - Cloning and functional characterization of a complex resistance locus from 'Geneva' to breed apple cultivars with durable scab resistance". Collaboration between Plant and Food Research (NZ) and FEM. (**a bando, post doc Marie Curie**) (250 k€)

2014 Associated DFG-ANR project "AlternApp: Genetic mechanisms underlying alternate cropping in apple (*Malus* x *domestica*)" in collaboration with INRA (coordinator) and 4 other European Institutions. (**a bando, DFG-ANR**)

2013 TRANSAPPLE, regional funded project on epigenetics in apple, co-PI with dr. Azeddine SiAmmour (3 years project, amount required 765 k€) (**a bando Prov.Aut.Trento**)

2010 KBBE-2010-1-1-01 (FP7): Fruitbreedomics. Genetic and genomic tools to increase the breeding efficiency in fruit trees: (4 years project, amount requested: 5.999 k€) (**a bando, FP7**)

2009 AGER (Fondazioni bancarie) 2009: Apple fruit quality in the post-genomic era, from breeding new genotypes to post-harvest: nutrition and health (3 years project, amount requested: FEM 1006 K€ of 3.598 k€) (**a bando, AGER**)

2009 Autonomous Province of Trento and National Institute for Nuclear Physics (2009): "AURORA Project High performance computing for scientific applications." (18 months, FEM 110 k€ of 1.552 k€) (**a bando, Prov.Aut.Trento**)

2007 Research project “Apple Genome Sequencing” funded by the Province of Trento, in collaboration with Myriad Genetics inc., Salt Lake City, Utah, USA and 454 Life Science, Branford CT USA. (2 years – IASMA 9.500 k€) (**finanziamento diretto**)

2007 MiUR, Resarch Project “Parallelomics” High parallelism in Genomics and Metabolomics in higher plants, collaboration with ENEA Rome, University of Verona, CRA Fiorenzuola, PTP Lodi. (3 years – IASMA 200 K€ of 1300 k€)(**a bando, MiUR**)

2005 Research project “Grapevine Genome Sequencing” funded by the Province of Trento, in collaboration with Myriad Genetics inc., Salt Lake City, Utah, USA and 454 Life Science, Branford CT USA. (2 years – IASMA 10.500 k€)(**finanziamento diretto**)

2004-2008 6 post-doctoral fellowships funded between 2004 and 2008 funded by the Provincia odf Trento/Marie Curie EU Program (6 x 150 k€ ciascuno) (**a bando, 50% Marie Curie-PAT**)

2003 Research project “Grapevine Physical mapping”, in collaboration with Università di Udine, Keygene Wageningen, Università di Padova, ERGV Evry Parigi, funded by the Province of Trento. (2 years – IASMA 1.500 k€) (**finanziamento diretto**)

2002 Ministry of Research and University MURST “Genomics approaches to define biological parameters for grape berry quality”, funded by the Ministry of Research and University, coordinator ENEA + IASMA e 4 Università (3 years – IASMA 60 k€) (**a bando, MURST**)

2002 Research project BAC-co “Analysis of the grape genomic structure towards isolation of relevant genes to improve grape quality “, funded by the Province of Trento. (3 years – IASMA 900 k€) (**a bando, Prov.Aut.Trento**)

2001 Fuctional genomics in grape (glass microarrays) “Resveratrol“ in collaboration with Institute Fraunhofer of Aachen-Schmallenberg, Germany, funded by the Province of Trento and the Fraunhofer Gesellschafft. (3 years - IASMA 450 k€) (**a bando, 50% Fraunhofer-PAT**)

2000 Research project „Advanced Biology in grape and apple“, funded by Fondazione Casse di Risparmio di Trento e Rovereto, CARITRO. (5 years – IASMA 3.771 k€) (**a bando, Fond. Casse di risparmio Trento e Rovereto**)

Invited speaker convegni internazionali

2023	10th Intl Symposium of Master of Wine, Wiesbaden (D) (keynote speaker)
2022	XIII International Conference on Grape Genetics and Breeding, I (keynote speaker)
2022	Co.Na.Vi Congress of National Viticulture, Conegliano TV, I (Convenor)
2019	VI° Horticulture Research (Nature Group) Congress, Venice, I (Convenor)
2019	South African & Italian wine research innovation, Capetown, ZA
2019	Ambasciata Italiana, Singapore
2018	Interpoma, BZ, I
2018	CONAVI, Università Cattolica di Piacenza, I (keynote speaker)
2017	IV° Horticulture Research (Nature Group) Congress, East Malling, UK
2017	5° Plant Genomes and gene editing, Amsterdam, The Netherlands
2017	5° Quedlinburger Pflanzenzüchtungstage, IPK Getersleben, Germany
2016	III° Horticulture Research (Nature Group) Congress, Nanjing, China
2016	I° Apple International Apple Symposium, Yangling, Xi'An, China
2014	XI International Conference on Grapevine Breeding and Genetics, Bejing, China
2013	ISHS International Symposium on Molecular Markers in Fruitculture, FEM (I)
2013	II° Plant Genomics, London, UK
2013	SOI, Italian Society of Horticulture, Padua I
2012	ISHS International Symposium on Biotechnology in fruit species, Nelson NZ
2011	Chinese Agriculture Academy of Science, Bejing, China
2011	Plant Genome Evolution, Amsterdam, NL
2010	ETNA European Training Networks, EPSO PhD school
1999, 2002, 2005, 2007, 2009, 2011, 2013, 2014, 2015, 2016, 2017, 2018	Plant and Animal Genomes Congress – San Diego CA
2010	II° Internat. Symposium Genomics of Plant Genetic Resources Bologna (I)
2016	VIII° Congress of Rosaceae Genomics Angers (F) (Chair)
2014	VII° Congress of Rosaceae Genomics Seattle WA
2012	VI° Congress of Rosaceae Genomics San Michele all'Adige (Convenor)
2010	V° Congress of Rosaceae Genomics Cape Town (ZA)
2008	IV° Congress of Rosaceae Genomics Pucon (CL)
2006, 2009	COST 858 Prague (CZ) and Bordeaux (F)
2007	American Society of Enology and Viticulture, Reno (NV), USA
2006	South African Society of Enology and Viticulture, Stellenbosch (ZA)
2005	Italian-Israel Joint congress, Jerusalem (IL)

Insegnamento universitario

Docenza a contratto presso	2 AA 2018-19 e 2019-20 **Università di Padova**, Facoltà di Agraria, corso in Genetica e genomica della vite (12 ore, corso di 48 ore condiviso con titolare S. Varotto) 2 AA 2016-17 e 2017-18 **Università di Verona**, Facoltà di Biotecnologie agroindustriali, titolare del corso in Struttura e funzioni dei genomi (48 ore) 3 AA da 2015-16 a 2017-18 **Università di Ferrara**, Facoltà di Biologia, titolare del corso di Biotecnologia Vegetale (48 ore) 11 AA da 2002-03 a 2012-13 **Università di Verona**, Facoltà di Medicina, corso di Biologia Molecolare (20 ore, corso di 48 ore condiviso) 2 AA 2009-10 e 2010-11 **Università di Bologna**, Facoltà di Biologia, titolare del corso in Genetica Evoluzionistica (96 ore) 2 AA 2006-07 e 2008-09 **Università di Napoli**, Facoltà di Agraria, corso in Genomica della Vite (16 ore, corso di 48 ore condiviso con titolare L. Frusciante) 1 AA 2002-2003 **Università di Trento**, Facoltà di Informatica, titolare del corso di Biologia Molecolare (48 ore)
PHD School	Membro del Collegio Docenti del Dottorato di Scienze e Biotecnologie Agrarie dell'**Università di Udine** dal 2013
PHD TUTORAGGIO	Oltre 20 PhD supervisionati
SUPERVISIONE DI TESI LI LAUREA	Oltre 30 lauree triennali e magistrali
EXTERNAL EXAMINER EXPERIENCES	- Membro di commissione di valutazione di progetti di Università (Milano, Padova, Verona, Udine) ed Enti europei e nazionali (ANF, Uni Stellenbosch ZA, Uni Davis USA) per assegni di ricerca, borse post-doc - Valutatore di Tenure track per professori statunitensi, canadesi, francesi e britannici
VALUTAZIONI NAZIONALI ENTI	- VQR ANVUR 2011-14, membro del panel GEV 07 (Agraria e Veterinaria) - HCERES 2019, presidente panel di valutatori della sede INRA di Montpellier

Brevetti e Privative vegetali

Europei

European Patent n. 13425004.2 – 1406: "Co gene MdCo31 of the Wijcik mutant of *Malus* x *domestica* Borkh and plants with controlled tree architecture genetically transformed by introcuction of this gene".

European Patent (PCT/EP2015/065624): "*Erysiphe necator* resistance providing genes in *Vitis vinifera*"

European Patent (PCT/EP2015/073135): "*Podosphora leuchotryca* resistance providing genes in *Malus* x *domestica*"

Italian Patent IDEC/DEUM/P1395IT: "*Peptidi ad attività fungicida, loro composizioni e relativi usi in campo agronomico*"

4 Varietà di uva da tavola sottomesse a valutazione DUS presso il CPVO nel 2020

- Gallianum B.
- Leuka B.
- Medunio B.
- Cerina B.

Competenze linguistiche

Madre lingua	ITALIANO
lingue	Inglese (eccellente), C2 equivalente Tedesco (molto buono), C1 equivalente Francese (buono), B1 equivalente Spagnolo (scolastico), A1 equivalente

Il sottoscritto è a conoscenza che, ai sensi dell'art.76 del D.P.R.445/2000, le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono puniti ai sensi del codice penale e delle leggi speciali.
Inoltre, ho preso visione dell'informativa in merito al trattamento dei miei dati personali, in accordo con il Regolamento UE 2016/679 (GDPR).

In fede,

Pubblicazioni

157 **Pubblicazioni ISI Web + 10 books chapters**

Total impact factors: over 800
Total citations: over 17.500
h-index: 60 (WoS); 65 (Scopus); 69 (G Scholar)

1. Nerva L, Dalla Costa L, Ciacciulli A, Sabbadini S, Pavese V, Dondini L, Vendramin E, Caboni E, Perrone I, Moglia A, Zenoni S, Michelotti V, Micali S, La Malfa S, Gentile A, Tartarini S, Mezzetti B, Botta R, Verde I, Velasco R, Malnoy M, Licciardello C (2023) The role of Italy in the use of advanced plant genomics techniques on fruit trees: state of art and future perspectives. ***Int. J. Mol. Sci,*** *24: 977* doi.org/10.3390/ijms24020977
2. Milella RA, De Rosso M, Gasparro M, Gigante I, Debiase G, Forleo LR, Marsico AD, Perniola R, Tutino V, Notarnicola M, Velasco R✉, Flamini R (2023) Correlation between antioxidant and anticancer activity and phenolic profile of new Apulian table grape genotypes (*V. vinifera* L.) ***Frontiers in Pl. Science*** *13:1064023*. doi: 10.3389/fpls.2022.1064023
3. Sandrini M, Moffa L, Velasco R, Balestrini R, Nerva L, Chitarra W (2022) Microbe-assisted crop improvement: a sustainable weapon to restore holobiont functionality and resilience. ***Hortic Res*** *9: uhac160* doi: 10.1093/hr/uhac160
4. Nerva L, Sandrini M, Moffa L, Velasco R, Balestrini R, Chitarra W (2022) Breeding toward improved ecological Plant-mocrobiome interactions. ***Trends in Pl. Science*** *27, 11: 1134-1143* doi: 10.1016/j.tplants.2022.06.004
5. Amato A, Cardone MF, Ocarez N, Alagna F, Ruperti B, Velasco R, Mejìa N, Zenoni S, Bergamini C (2022) VviAGL11 self-regulates and targets hormone and secondary metabolism-related genes during seed development. ***Horict Res*** *9: uhac133* doi: 10.3390/ijms24020977
6. Shen F, Bianco L, Wu B, Tian Z, Wang Y, Wu T, Xu X, Han Z, Velasco R, Fontana P, Zhang X (2022). A bulked segregant analysis tool for out-crossing species (BSATOS) and QTL-based genomics-assisted prediction of complex traits in apple. ***J Adv Res*** *42: 149-162* doi.org/10.1016/j.jare.2022.03.013
7. Nerva L, Garcia JF, Favaretto F, Giudice G, Moffa L, Cantu D, Velasco R, Gambino G, Chitarra W (2022) The hidden world within plants: Metatranscriptomics unveils the complexity of wood microbiomes in grapevine. ***J Exp Bot*** *73(8): 2682-2697* DOI: 10.1016/j.cub.2022.10.056
8. Forleo LR, D'Amico M, Basile T, Marsico AD, Cardone MF, Maggiolini FAM, Velasco R, Bergamini C (2021) Somatic Embryogenesis in Vitis for Genome Editing: Optimization of Protocols for Recalcitrant Genotypes. ***Horticulturae*** *7:511* doi.org/10.3390/horticulturae7110511
9. Crespan M, Migliaro D, Larger S, Pindo M, Palmisano M, Manni A, Manni E, Polidori E, Sbaffi F, Silvestri, Silvestroni Q, Velasco R, Virgili S, Camilli G (2021) The grapevine (*V. vinifera* L.) varietal assortment and evolution in Marche region (central Italy). ***OENO one*** *55, 3: 17-37* doi.org/10.20870/oeno-one.2021.55.3.4628
10. Licciardello C, Perrone I, Gambino G, Talón M, Velasco R (2021) Editorial: Functional Genomics in Fruit Trees: From 'Omics to Sustainable Biotechnologies. ***Frontiers in Pl. Science*** *12:729714* doi.org/10.3389/fpls.2021.729714
11. Possamai T, Wiedemann-Merdinoglu S, Merdinoglu D, Migliaro D, De Mori G, Cipriani G, Velasco R, Testolin R (2021) Construction of a high-density genetic map and

detection of a major QTL of resistance to powdery mildew (Erysiphe necator Sch.) in Caucasian grapes (*Vitis vinifera* L.) ***BMC Plant Biol*** *21: 528* doi.org/10.1186/s12870-021-03174-4

12. Giudice G, Moffa L, Varotto S, Cardone M.F, Bergamini C, De Lorenzis G, Velasco R[⊠], Nerva L, Chitarra W (2021) Novel and emerging biotechnological crop protection approaches. ***Plant Biotech. J.*** *19, 1495–1510* doi: 10.1111/pbi.13605

13. Colombo M, Masiero S, Rosa S, Caporali E, Toffolatti S, Mizzotti C, Tadini L, Rossi F, Pellegrino S, Musetti R, Velasco R, Perazzolli M, Vezzulli S, Pesaresi P (2020) NoPv1: a synthetic antimicrobial peptide aptamer targeting the causal agents of grapevine and potato downy mildew. ***Sci. Report*** *10, 17574* doi.org/10.1038/s41598-020-73027-x

14. Possamai T, Migliaro D, Gardiman M, Velasco R[⊠], De Nardi B (2020) Phenotyping of grapevine genotypes carrying different resistance loci reveals specific responses to downy mildew (*Plasmopara viticola*) infection. ***Plants*** *9, 781* doi.org/10.3390/plants9060781

15. Crespan M, Migliaro D, Larger S, Pindo M, Petrussi C, Stocco M, Rusjan D, Sivilotti P, Velasco R, Maul E (2020) New achievements on the pedigree of Glera and other Friuli Venezia Giulia (North East Italy) grapevine cultivars using SR and SNP markers. ***Sci. Report*** *10, 7206* doi.org/10.1038/s41598-020-64061-w

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Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base art. 13 del D. Lgs. 196/2003.

In fede,