

MARIO PEZZOTTI CV

Full Professor, Plant Genetics

Born in Rieti (Italy) 14/02/1958; Married, one child

Department of Biotechnology

University of Verona

EDUCATION

Laurea in Agricultural Sciences, University of Perugia, Italy 1981

ACADEMIC CAREER

- Researcher, Plant Breeding Centre for Pasture Grasses, National Research Council, Perugia, Italy 05/1982–03/1984
- Visiting Scientist, University of Purdue, Indiana, USA 11/1985–06/1986
- Researcher, Plant Breeding Centre for Pasture Grasses, National Research Council, Perugia, Italy 03/1984–03/1990
- Assistant Professor, Department of Plant Breeding, Faculty of Agriculture, University of Perugia, Italy 03/1990–11/1998
- Visiting Scientist, Plant Genetic Systems, Gent, Belgium 09/1991–09/1993
- Associate Professor, Department of Science and Technology, University of Verona, Italy 11/1998–03/2011
- Professor, Department of Biotechnology, Faculty of Science, University of Verona, Italy 03/2011–present

TEACHING EXPERIENCE

1990–1998 Assistant Professor, Faculty of Agriculture, University of Perugia, Italy

1998–present Professor, Department of Biotechnology, University of Verona, Italy, for the following courses:

- 1998–2008 Genetics
- 2003 Plant Genetics and Biotechnology
- 2004 Molecular Plant Genetics
- 2004 Biotechnology Methods
- 2006–2008 Molecular Farming
- 2006–2008 GMOs and MGOs
- 2006–present Plant Genetics and Breeding
- 2010–present Grapevine Genomics and Biotechnology
- 2021-2015-2026 Evolution of crop plants and biotechnological perspectives

2011–2013 Professor, Faculty of Science, University of Bolzano, Italy



- Plant Genetics in English for the Master's degree in Fruit Science

PhD supervisor

Sara Zenoni, Linda Avesani, Anita Zamboni, Luisa Bortesi, Marina Purelli, Leone Minoia, Francesca Morandini, Matteo Bruschetta, Marianna Fasoli, Elisa Gecchele, Matilde Merlin, Melanie Massonet, Roberta Zampieri

Bachelor's and Master's supervisor

From 1999 – more than 100 Bachelor's and Master's students

INVITED LECTURES AT INTERNATIONAL CONFERENCES

- Internationaler DWV Kongress, Mainz 2 December 2025
- Grape Research Alliance, Davis, 5 November 2025
- Oenoviti International, Vienna, 22 May 2025
- Plant in changing environment, Ljubljana, 15 September 2022
- FEBS 2021, Ljubljana, 6 July 2021
- COST ACTION 17111 INTEGRAPPE, Chania, 25 March 2019
- International Plant Molecular Biology France Montpellier, 6 August 2018
- International Conference Grapevine Breeding and Genetics, Bordeaux, 17 June 2018
- The future of Medicine, Genova, 29 June 2017
- Symposium on Horticulture in Europe Greece Chania Greece, 17 October 2016
- Australia-Italia Grape and Wine Symposium Adelaide, 7 December 2015
- Scientific Symposium in Grape and Wheat Research Canberra, 4 December 2015
- IX IVAS, Trento, 17 July 2015
- IGGP Bordeaux, 11 February 2015
- XI International Conference on Grapevine Breeding and Genetics Beijing, 29 July 2014
- Postharvest Unlimited Cyprus, 11 June 2014
- Macrowine 2014 Stellenbosch, 9 September 2014
- GRACIOUS Symposium Boger ISRAEL, 30 October 2014
- Plant Gene Discovery & "Omics" Technologies, Vienna, 17 February 2014
- COST ACTION 1106 Quality Fruit Chania, 22 September 2013
- Molecular Biology and Genomics of Fruit Trees Wuhan Agricultural University, 19 October 2013
- XXXI PAG San Diego, 15 January 2013
- Grapevine Physiology and Biotechnology, La Serena Chile, 22 April 2013
- Omics and Biotechnology of Fruit Crops Nanjing Agricultural University, 28 October 2012
- XX PAG International Grape Genome Project San Diego, 15 January 2012
- EDF Interlaken, 20 January 2012
- Macrowine, Bordeaux, 20 June 2012
- Biotecnologia Habana, Havana, 1 December 2011
- VINELINK, Paris, 21 October 2011
- GRCN, Corvallis, 15 July 2011
- Vinexpo, Bordeaux, 20 June 2011
- Plant-Based Vaccine and Antibody, Oporto, 10 June 2011
- Grape Research Coordination Network III, Lake Tahoe, 4 June 2011
- XIX PAG International Grape Genome Project, San Diego, 16 January 2011
- XIX PAG Ornamentals, San Diego, 15 January 2011

- 14th AWITC Adelaide, 6 July 2010
- GRCN, Lake Tahoe, 16 May 2009
- OIV2009, Zagreb, 29 June 2009

ORGANIZATION and SCIENTIFIC COMMITTEES OF NATIONAL AND INTERNATIONAL CONFERENCES

- XL National Conference of the Italian Society of Agricultural Genetics, Perugia 1996
- V World Petunia Days, Verona 2002
- XLVII National Conference of the Italian Society of Agricultural Genetics, Verona 2003
- Pharma-Planta, Verona 2005
- Pharma-Planta, Verona 2006
- Vigna, Verona 2006
- Plant Based Vaccine and Antibody, Verona 2007
- Plant Based Vaccine and Antibody, Verona 2009
- The Genome and Transcriptome of the grapevine cv. Corvina, Verona 2010
- Plant Based Vaccine and Antibody, Verona 2011
- Macrowine, Stellenbosch 2014
- COST 1106 Quality Fruit 2012-2013-2014 (Chania), 2015 (Verona), 2015 (Lisbon), 2016 (Porto)
- X International Symposium on Grapevine Physiology and Biotechnology, Verona 2016
- XII International Conference on Grapevine Breeding and Genetics, Bordeaux 2018
- VXII National Conference of the Italian Society of Agricultural Genetics, Verona 2018
- COST CA 17111 INTEGRAPPE, Chania 2019
- LXIII National Conference of the Italian Society of Agricultural Genetics, Napoli 2019
- 6th International Horticulture Research Conference, Venice 2019
- COST CA 17111 INTEGRAPPE, Ljubljana

ACADEMIC SERVICE

- 1999–present: Member of Doctorate “Applied Biotechnology”, University of Verona
- 2001–present: Representative of Verona University and Executive Member of the National Consortium of Plant Molecular Biology
- 2002–2007 Representative of the Associate Professors of the Faculty of Science in the Academic Senate, University of Verona
- 2002–2007 Member of the Senate Committee “Balance and Planning”, University of Verona
- 2014–2019 Nominated Vice-Rector for Research and Technology Transfer, University of Verona
- 2014–2019 Member of the University of Verona Committee “Patents and Technology Transfer”
- 2015–2019 Member of the University of Verona Committee “Technology Platform Centre”
- 2017–present Member of the University of Verona Steering Committee “Departments of Excellence”
- 2016–2018 Member of the National Committee of ASN (National Agency for Professorship Habilitation)
- 2010–2019 Member of several National Committees for Professor Appointment
- 2017–2020 Member of several HCERES Committees (French National Evaluation Agency)
- 2021-2024 he held the role of Director of the Research and Innovation Centre of the Edmund Mach Foundation, coordinating 21 Research Units, a total of 250 researchers and 100 PhD students. The

Research and Innovation Centre with a budget of 25 million euros per year, develops national and international projects in the fields of AgroEsystemi and Bioeconomia, Biodiversity and Environment, Food and Nutrition and Food and Computational Biology

- July 2023/ February 2024 he played the role of Extraordinary Commissioner of the Council for Agricultural Research and Analysis of Agricultural Economics (CREA), Research Institute where 2300 employees work, organized in 12 Research Centers, 55 locations and 87 farms with a budget of 220 million euros. The functions of Extraordinary Commissioner carry out the functions of the Chairman and the Board of Directors with the further task of drafting a new Statute and a reorganization and relaunch of the Agency.

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PROFESSIONAL

- 2007–2015 Co-Founder of the “Plant Functional Genomics Centre”, University of Verona
 - 2009–2014 Founder and Chief Scientific Officer and Chief Executive Officer of “Officina Biotecnologica”, University of Verona spin-off
 - 2007 Nominated life member of the “Accademia Agricoltura, Scienze e Lettere”, Verona
 - 2008–2010 Member of the National Committee for Bio-Security, Biotechnology and Life Science, Working Group Agricultural Biotechnology - Prime Minister’s Commission
 - 2014 Nominated life member of the Accademia dei Georgofili (<http://www.georgofili.it/>)
 - 2014 Elected Vice-President of Italian Society of Plant Genetics
 - 2014–2019 Member of the Committee UNIVERSITIES-REGIONE Veneto
 - 2015–2017 Co-Founder of “Diamante”, University of Verona spin-off
 - 2017–2019 Nominated President of Italian Society of Agricultural Genetics (400 scientists)
 - 2017–2021 Coordinator of the Contamination Lab, University of Verona
 - 2017–2019 President of the Start Cup Veneto
 - 2017–2020 Member of the AISSA Executive Committee (5000 scientists)
 - 2017–2020 Member of the FISV Executive Committee (10,000 scientists)
 - 2020 Member of the panel Agriculture of National Plan for Research (PNR)
 - 2020 Founder of the “EDIVITE” Verona University Spin-off
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Member of the editorial board of the journals: Scientific Reports and BMC Biotechnology.

Member of the advisory Board of Horticulture Research

Member of the Steering Committee of the International Grape Genome Program

Chair of the Gene Annotation Committee of the Grape Genome

Member of the Scientific Advisory Committee of the MacroWine conferences

Member of the Scientific Advisory Committee of the Plant-Based Vaccine and Antibody (PBVA) conferences

Member of the Scientific Committee “Wine in Moderation”, Grinzane Cavor

Member of the Scientific Committee “Grapevine Breeding and Genetics”

Current or past reviewer for: Biotechnology Journal, FASEB Journal, FEBS Letters, Gene, Journal of Biotechnology, several Frontiers journals, Journal of Cellular Physiology, Molecular Breeding, New Phytologist, Plant Biotechnology Journal, Plant Cell, Plant Molecular Biology, Plant Physiology, Sexual Plant Reproduction, The Plant Journal, Theoretical and Applied Genetics

Ad hoc grant reviewer for: European Commission (Biotechnology Programme), MURST-PRIN, BARD, FWF Austria, OMAFRA Canada, Israel Science Foundation, Scientific and Technological Cooperation in Plant Genome Research Plant KBBE, National Science Foundation, ANR France, German Federal Ministry of Education and Research PTJ, Marie Curie and ERC, FTC Portugal

AWARDS

Winner of the “Premio Antico Fattore 2011” of the Georgofili Agricultural Academy

PATENTS

Avesani L, Pezzotti M, Falorni A. Method for the expression in plant of the glutamic acid decarboxylase (gad65) and related expression vectors the present invention concerns a method of expression in plant of glutamic acid decarboxylase (gad65), particularly a mutated form of human gad65 (gad65mut), and expression vectors thereof. International Patent WO 2010010594 A1, submitted 20 August 2009. Brevetto US US20110289630A1.

Lico C, Baschieri S, Benvenuto E, Avesani L, Bartoloni Bocci E, Pezzotti M, Lunardi C. Particella virale chimerica di virus X della patata e suo uso nella diagnosi in vitro di Sindrome di Sjögren, submitted 3 June 2015, 102015000020005. European patent 16747629.0

GRANTS FUNDED

From 1996 to 2019

- 1996 OVULEMB €1,500,000 – 5 years.
- 1998 MUIR PRIN €60,000 – 2 years.
- 1999 TELETHON €90,000 – 2 years.
- 1999 MIUR PRIN €115,000 – 2 years.
- 2000 CNR €12,000 – 1 year.
- 2001 PRIN €64,000 – 2 years.
- 2002 MIUR €40,000 – 2 years.
- 2003 MIUR €180,000 – 2 years.
- 2004 EU FP6 PHARMA-PLANTA €13,500,000 – 5 years.
- 2005 REGIONE VENETO: BACCA €1,000,000 – 2 years.
- 2005 FONDAZIONE CARIVERONA €280,000 – 2 years.
- 2005 MIUR PRIN €124,000 – 2 years
- 2006 MIPAF VIGNA €6,500,000 – 3 years.
- 2006 FONDAZIONE CARIVERONA Plant Functional Genomics Centre I €450,000 – 5 years.
- 2008 FONDAZIONE CARIVERONA Plant Functional Genomics Centre II €1,800,000 – 5 years.
- 2009 REGIONE VENETO VALVIVE €1,000,000 – 3 years
- 2010 JOINT PROJECT €80,000 – 2 years.
- 2011 MIPAF VIGNETO €1,600,000 – 2 years.
- 2013-2017 INNOVINE FP7 €8,500,000 – 4 years.
- 2018-2022 COST ACTION 17111 INTEGRAPPE €800,000 – 4 years.

- 2018-2022 INVITE MARIE CURIE €2,200,000 – 4 years
- 2019-2021 MIUR PRIN €750,000 – 3 years

PUBLICATIONS (1999–2023)

1. Tornielli, G. B., Shmuleviz, R., Amato, A., Sandri, M., Zuccolotto, P., Pezzotti, M., Dokoozlian, N., Fasoli, M., & Zenoni, S. (2025). Scaling the grape berry developmental stage by molecular phenology: Application details and caveats. *Plants, People, Planet*, 7(5), 1275–1285. <https://doi.org/10.1002/ppp3.70018>
2. Tornielli GB, Sandri M, Fasoli M, Amato A, Pezzotti M, Zuccolotto P, Zenoni S. A molecular phenology scale of grape berry development. *Hortic Res*. 2023 Mar 15;10(5):uhad048. doi: 10.1093/hr/uhad048. PMID: 37786435; PMCID: PMC10541565.
3. D'Inca E, Foresti C, Orduña L, Amato A, Vandelle E, Santiago A, Botton A, Cazzaniga S, Bertini E, Pezzotti M, Giovannoni J, Vrebalov J, Matus JT, Tornielli GB, Zenoni S. The transcription factor VviNAC60 regulates senescence- and ripening-related processes in grapevine. *Plant Physiol*. 2023 Jan 30:kiad050. doi: 10.1093/plphys/kiad050. Epub ahead of print. PMID: 36718552.
4. Navarro-Payá D, Santiago A, Orduña L, Zhang C, Amato A, D'Inca E, Fattorini C, Pezzotti M, Tornielli GB, Zenoni S, Rustenholz C, Matus JT. The Grape Gene Reference Catalogue as a Standard Resource for Gene Selection and Genetic Improvement. *Front Plant Sci*. 2022 Jan 17;12:803977. doi: 10.3389/fpls.2021.803977. PMID: 35111182; PMCID: PMC8801485.
5. Savoi S, Arapitsas P, Duchêne É, Nikolantonaki M, Ontañón I, Carlin S, Schwander F, Gougeon RD, Ferreira ACS, Theodoridis G, Töpfer R, Vrhovsek U, Adam-Blondon AF, Pezzotti M, Mattivi F. Grapevine and Wine Metabolomics-Based Guidelines for FAIR Data and Metadata Management. *Metabolites*. 2021 Nov 3;11(11):757. doi: 10.3390/metabo11110757. PMID: 34822415; PMCID: PMC8618349.
6. D'Inca E, Cazzaniga S, Foresti C, Vitulo N, Bertini E, Galli M, Gallavotti A, Pezzotti M, Battista Tornielli G, Zenoni S. VviNAC33 promotes organ de-greening and represses vegetative growth during the vegetative-to-mature phase transition in grapevine. *New Phytol*. 2021 Jul;231(2):726-746. doi: 10.1111/nph.17263. Epub 2021 Mar 16. PMID: 33567124; PMCID: PMC8251598.

7. Zampieri R, Brozzetti A, Pericolini E, Bartoloni E, Gabrielli E, Roselletti E, Lomonosoff G, Meshcheriakova Y, Santi L, Imperatori F, Merlin M, Tinazzi E, Dotta F, Nigi L, Sebastiani G, Pezzotti M, Falornim A, Avesani L (2020) Prevention and treatment of autoimmune diseases with plant virus nanoparticles. *Sciences Advances* 6 : eaaz0295 6 May
8. Dal Santo S, Tucker MR, Tan HT, Burbidge CA, Fasoli M, Böttcher C, Boss PK, Pezzotti M, Davies C. (2020) Auxin treatment of grapevine (*Vitis vinifera* L.) berries delays ripening onset by inhibiting cell expansion *Plant Mol Biol.* May;103(1-2):91-111.
9. Pagliarani C, Boccacci P, Chitarra W, Cosentino E, Sandri M, Perrone I, Mori A, Cuozzo D, Nerva L, Rossato M, Zuccolotto P, Pezzotti M, Delledonne M, Mannini F, Gribaudo I, Gambino G. (2019) Distinct Metabolic Signals Underlie Clone by Environment Interplay in "Nebbiolo" Grapes Over Ripening. *Front Plant Sci.* Dec 4;10:1575.
10. Santoni M, Ciardiello MA, Zampieri R, Pezzotti M, Giangrieco I, Rafaiani C, Ciancamerla M, Mari A, Avesani L. (2019) Plant-Made Bet v 1 for Molecular Diagnosis. *Front Plant Sci.* 2019 Oct 10;10:1273.
11. Bertini E, Tornielli GB, Pezzotti M, Zenoni S (2019) Regeneration of plants from embryogenetic callus-derived protoplasts of Garganega and Sangiovese grapevine (*Vitis vinifera* L.) cultivars. *Plant Cell Tiss Org Culture* 138(2):239-246.
12. Arcalis E, Ibl V, Hilscher J, Rademacher T, Avesani L, Morandini F, Bortesi L, Pezzotti M, Vitale A, Pum D, De Meyer T, Depicker A, Stoger E (2019) Russell-like bodies in plant seeds share common features with prolamin bodies and occur upon recombinant protein production. *Front Plant Sci* 10:777. doi: 10.3389/fpls.2019.00777.
13. Amato A, Cavallini E, Walker AR, Pezzotti M, Bliet M, Quattrocchio F, Koes R, Ruperti B, Bertini E, Zenoni S, Tornielli GB (2019) The MYB5-driven MBW complex recruits a WRKY factor to enhance the expression of targets involved in vacuolar hyper-acidification and trafficking in grapevine. *Plant J* 99(6):1220-1241. doi: 10.1111/tj.14419.
14. Magris G, Di Gaspero G, Marroni F, Zenoni S, Tornielli GB, Celi M, De Paoli E, Pezzotti M, Conte F, Paci P, Morgante M (2019). Genetic, epigenetic and genomic effects on variation of gene expression among grape varieties. *Plant J* 99(5):895-909.
15. Ambrosino L, Ruggieri V, Bostan H, Miralto M, Vitulo N, Zouine M, Barone A, Bouzayen M, Frusciante L, Pezzotti M, Valle G, Chiusano ML. (2018) Multilevel comparative bioinformatics to investigate evolutionary relationships and specificities in gene annotations: an example for tomato and grapevine. *BMC Bioinformatics.* 2018 Nov 30;19(Suppl 15):435.
16. Fasoli M, Richter CL, Zenoni S, Bertini E, Vitulo N, Dal Santo S, Dokoozlian N, Pezzotti M, Tornielli GB. (2018) Timing and order of the molecular events marking the onset of berry ripening in grapevine. *Plant Physiol.* Sep 17. pii: pp.00559.2018.
17. Bertini E, Merlin M, Gecchele E, Puggia A, Brozzetti A, Commisso M, Falorni A, Bini V, Klymyuk V, Pezzotti M, Avesani L. (2018) Design of a Type-1 Diabetes Vaccine Candidate Using Edible Plants Expressing a Major Autoantigen. *Front Plant Sci.* 2018 May 1;9:572.
18. Dal Santo S, Zenoni S, Sandri M, De Lorenzis G, Magris G, De Paoli E, Di Gaspero G, Del Fabbro C, Morgante M, Brancadoro L, Grossi D, Fasoli M, Zuccolotto P, Tornielli GB, Pezzotti M. (2018) Grapevine field experiments reveal the contribution of genotype, the influence of environment and the effect of their interaction (GxE) on berry transcriptome *Plant J.* Jan 30.
19. Gambino G, Dal Molin A, Boccacci P, Minio A, Chitarra W, Avanzato CG, Tonomi P, Perrone I, Raimondi S, Schneider A, Pezzotti M, Mannini F, Gribaudo I, Delledonne M. (2017) Whole-genome sequencing and SNV genotyping of 'Nebbiolo' (*Vitis vinifera* L.) clones. *Sci Rep.* Dec 11;7(1):17294.
20. Mercenaro L, Nieddu G, Porceddu A, Pezzotti M, Camiolo S. (2017) Sequence Polymorphisms and Structural Variations among Four Grapevine (*Vitis vinifera* L.) Cultivars Representing Sardinian Agriculture. *Front Plant Sci.* Jul 20;8:1279
21. Fortes AM, Granell A, Pezzotti M, Bouzayen M. (2017) Editorial: Molecular and Metabolic Mechanisms Associated with Fleshy Fruit Quality. *Front Plant Sci.* Jul 13;8:1236.
22. Massonnet M, Fasoli M, Tornielli GB, Altieri M, Sandri M, Zuccolotto P, Paci P, Gardiman M, Zenoni S, Pezzotti M. (2017) Ripening Transcriptomic Program in Red and White Grapevine Varieties Correlates with Berry Skin Anthocyanin Accumulation. *Plant Physiol.* Aug;174(4):2376-2396.
23. Pii Y, Zamboni A, Dal Santo S, Pezzotti M, Varanini Z, Pandolfini T. (2017) Prospect on Ionomeric Signatures for the Classification of Grapevine Berries According to Their Geographical Origin. *Front Plant Sci.* Apr 24;8:640.
24. Adam-Blondon AF, Alaux M, Pommier C, Cantu D, Cheng ZM, Cramer GR, Davies C, Delrot S, Deluc L, Di Gaspero G, Grimplet J, Fennell A, Londo JP, Kersey P, Mattivi F, Naithani S, Neveu P, Nikolski M, Pezzotti M, Reisch BI, Töpfer R, Vivier MA, Ware D, Quesneville (2016) H. Towards an open grapevine information system. *Hortic Res.* Nov 23;3:16056
25. Dal Santo S, Commisso M, D'Inca E, Anesi A, Stocchero M, Zenoni S, Ceoldo S, Tornielli GB, Pezzotti M, Guzzo F. (2016) The Terroir Concept Interpreted through Grape Berry Metabolomics and Transcriptomics. *J Vis Exp.* Oct 5;(116).
26. Dal Santo S, Palliotti A, Zenoni S, Tornielli GB, Fasoli M, Paci P, Tombesi S, Frioni T, Silvestroni O, Bellincontro A, d'Onofrio C, Matarese F, Gatti M, Poni S, Pezzotti M. (2016) Distinct transcriptome responses to water limitation in isohydric and anisohydric grapevine cultivars. *BMC Genomics.* Oct 20;17(1):815.

27. Paim Pinto DL, Brancadoro L, Dal Santo S, De Lorenzis G, Pezzotti M, Meyers BC, Pè ME, Mica E. (2016) The Influence of Genotype and Environment on Small RNA Profiles in Grapevine Berry. *Front Plant Sci.* Oct 5;7:1459.
28. Zenoni S, Fasoli M, Guzzo F, Dal Santo S, Amato A, Anesi A, Commisso M, Herderich M, Ceoldo S, Avesani L, Pezzotti M, Tornielli GB. (2016) Disclosing the Molecular Basis of the Postharvest Life of Berry in Different Grapevine Genotypes. *Plant Physiol. Nov;*172(3):1821-1843.
29. da Silva DC, da Silveira Falavigna V, Fasoli M, Buffon V, Porto DD, Pappas GJ Jr, Pezzotti M, Pasquali G, Revers LF. (2016) Transcriptome analyses of the Dof-like gene family in grapevine reveal its involvement in berry, flower and seed development. *Hortic ResAug* 31;3:16042
30. Dal Santo S, Fasoli M, Negri S, D'Inca E, Vicenzi N, Guzzo F, Tornielli GB, Pezzotti M, Zenoni S. (2016) Plasticity of the Berry Ripening Program in a White Grape Variety. *Front Plant Sci.* Jul 12;7:970. doi: 10.3389/fpls.2016.00970.
31. Bombarely A, Moser M, Amrad A, Bao M, Bapaume L, Barry CS, Bliet M, Boersma MR, Borghi L, Bruggmann R, Bucher M, D'Agostino N, Davies K, Druge U, Dudareva N, Egea-Cortines M, Delledonne M, Fernandez-Pozo N, Franken P, Grandont L, Heslop-Harrison JS, Hintzsche J, Johns M, Koes R, Lv X, Lyons E, Malla D, Martinoia E, Mattson NS, Morel P, Mueller LA, Muhlemann J, Nouri E, Passeri V, Pezzotti M, Qi Q, Reinhardt D, Rich M, Richert-Pöggeler KR, Robbins TP, Schatz MC, Schranz ME, Schuurink RC, Schwarzacher T, Spelt K, Tang H, Urbanus SL, Vandenbussche M, Vijverberg K, Villarino GH, Warner RM, Weiss J, Yue Z, Zethof J, Quattrocchio F, Sims TL, Kuhlemeier C. (2016) Insight into the evolution of the Solanaceae from the parental genomes of *Petunia hybrida*. *nNat Plants.* May 27;2(6):16074.
32. Fasoli M, Dell'Anna R, Dal Santo S, Balestrini R, Sanson A, Pezzotti M, Monti F, Zenoni S. (2016) Pectins, Hemicelluloses and Celluloses Show Specific Dynamics in the Internal and External Surfaces of Grape Berry Skin During Ripening. *Plant Cell Physiol.* Jun;57(6):1332-49.
33. Merlin M, Pezzotti M, Avesani L. (2017) Edible plants for oral delivery of biopharmaceuticals. *Br J Clin Pharmacol.* Jan;83(1):71-81.
34. Merlin M, Gecchele E, Arcalis E, Remelli S, Brozzetti A, Pezzotti M, Avesani L. (2016) Enhanced GAD65 production in plants using the MagnICON transient expression system: Optimization of upstream production and downstream processing. *Biotechnol J.* Mar;11(4):542-53.
35. Tinazzi E, Merlin M, Bason C, Beri R, Zampieri R, Lico C, Bartoloni E, Puccetti A, Lunardi C, Pezzotti M, Avesani L. (2015) Plant-Derived Chimeric Virus Particles for the Diagnosis of Primary Sjögren Syndrome. *Front Plant Sci.* 2015 Dec 1;6:1080.
36. Pinnola A, Ghin L, Gecchele E, Merlin M, Alboresi A, Avesani L, Pezzotti M, Capaldi S, Cazzaniga S, Bassi R. (2015) Heterologous Expression of Moss Light-harvesting Complex Stress-related 1 (LHCSR1), the Chlorophyll a-Xanthophyll Pigment-protein Complex Catalyzing Non-photochemical Quenching, in *Nicotiana sp.* *J Biol Chem.* Oct 2;290(40):24340-54
37. Anesi A, Stocchero M, Dal Santo S, Commisso M, Zenoni S, Ceoldo S, Tornielli GB, Siebert TE, Herderich M, Pezzotti M, Guzzo F. (2015) Towards a scientific interpretation of the terroir concept: plasticity of the grape berry metabolome. *BMC Plant Biol.* Aug 7;15:191.
38. Belli Kullán J, Lopes Paim Pinto D, Bertolini E, Fasoli M, Zenoni S, Tornielli GB, Pezzotti M, Meyers BC, Farina L, Pè ME, Mica E. (2015) miRVine: a microRNA expression atlas of grapevine based on small RNA sequencing. *BMC Genomics.* May 16;16:393.
39. Gecchele E, Merlin M, Brozzetti A, Falorni A, Pezzotti M, Avesani L A comparative analysis of recombinant protein expression in different biofactories: bacteria, insect cells and plant systems. (2015) *J Vis Exp.* Mar 23;(97).
40. Cramer GR, Ghan R, Schlauch KA, Tillett RL, Heymann H, Ferrarini A, Delledonne M, Zenoni S, Fasoli M, Pezzotti M. Transcriptomic analysis of the late stages of grapevine (*Vitis vinifera* cv. Cabernet Sauvignon) berry ripening reveals significant induction of ethylene signaling and flavor pathways in the skin. *BMC Plant Biol.* 2014 Dec 19;14(1):370.
41. Grimplet J, Adam-Blondon AF, Bert PF, Bitz O, Cantu D, Davies C, Delrot S, Pezzotti M, Rombauts S, Cramer GR. (2014) The grapevine gene nomenclature system. *BMC Genomics.* 2014 Dec 6;15:1077.
42. Palumbo MC, Zenoni S, Fasoli M, Massonnet M, Farina L, Castiglione F, Pezzotti M, Paci P. (2014) Integrated Network Analysis Identifies Fight-Club Nodes as a Class of Hubs Encompassing Key Putative Switch Genes That Induce Major Transcriptome Reprogramming during Grapevine Development. *Plant Cell.* Dec;26(12):4617-35.
43. G. Wang, A. Lovato, Y.H. Liang, M. Wang, F. Chen, G.B. Tornielli, A. Polverari, M. Pezzotti and Z.M. Cheng (2014) Validation by isolation and expression analyses of the mitogen-activated protein kinase gene family in the grapevine (*Vitis vinifera* L.) *Australian Journal of Grape and Wine Research* Volume 20, Issue 2, June 2014 Pages: 255–262.
44. Giacosa A, Barale R, Bavaresco L, Faliva MA, Gerbi V, La Vecchia C, Negri E, Opizzi A, Perna S, Pezzotti M, Rondanelli M (2014) MEDITERRANEAN WAY OF DRINKING AND LONGEVITY. *Crit Rev Food Sci Nutr.* Sep 10.
45. Degu A, Hochberg U, Sikron N, Venturini L, Buson G, Ghan R, Plaschkes I, Batushansky A, Chalifa-Caspi V, Mattivi F, Delledonne M, Pezzotti M, Rachmilevitch S, Cramer GR, Fait A (2014) Metabolite and transcript profiling of berry skin during fruit development elucidates differential regulation between Cabernet Sauvignon and Shiraz cultivars at branching points in the polyphenol pathway. *BMC Plant Biol.* Jul 26;14:188.

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