CURRICULUM VITAE

Name: **Sara Zenoni**
Scopus Author ID: 6603606488; ORCID Author ID: 0000-0002-0496-8161
Date of birth: 19th December 1975
Nationality: Italian

- **EDUCATION**

2004 PhD in Agro-industrial Biotechnology, Department of Biotechnology, University of Verona, Italy; Supervisor: *Prof. Mario Pezzotti*
2000 Master's Degree in Agro-industrial Biotechnology, Department of Biotechnology, University of Verona, Italy

- **CURRENT POSITION**

2018 - Associate Professor in Agricultural Genetics, Department of Biotechnology, University of Verona, Italy

- **Italian PROFESSORSHIP HABILITATION**

October 2018 Full Professor in Agricultural Genetics

- **PREVIOUS POSITIONS**

2008 – 2018 Assistant Professor in Agricultural Genetics, Department of Biotechnology, University of Verona, Italy

- **FELLOWSHIPS**

2004 – 2008 Post-Doctoral Fellowships, University of Verona, Italy
2000 – 2004 Scholarship, PhD program in Agro-industrial Biotechnology, University of Verona, Italy

- **TEACHING ACTIVITIES**

2014 – Present Plant genetics and breeding, University of Verona, Italy
2014 – Present Grape biotechnology and genomics, University of Verona, Italy
2011 – 2013 Cell Biology, University of Verona, Italy
2009 – 2010 Molecular technologies, University of Verona, Italy
2018 – Present Biomolecular and genetics technologies, University of Verona, Italy
2021 – Present Advancements in precision grape and wine production, module New breeding technologies for next generation grapevine, University of Padova, Italy
2021 – Present Plant genetics and breeding, University of Brescia, Italy

- **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

2011 – Present 10 Visiting Researchers; 6 Postdocs; 3 PhD students; 7 Master's Students; 18 Bachelor's Students, University of Verona, Italy,
2018 – Present 4 PhD student, one involved in the INVITE doctoral project, under the Marie Skłodowska-Curie grant agreement No 754345. University of Verona, Italy

- **INSTITUTIONAL RESPONSIBILITIES**

2018 – Present Member of the Postgraduate Committee of the PhD in Biotechnology, University of Verona,

Italy

2017 – Present Member of the Joint Teaching-Student Committee of the School of Science and Engineering, University of Verona, Italy

2013 – Present Member of the Safety personnel representatives (RLS), University of Verona, Italy

2011 – 2014 Member of the Postgraduate Committee of the PhD in Applied Biotechnology, University of Verona, Italy

2008 – Present Faculty member, Department of Biotechnology, University of Verona, Italy

- **ORGANISATION OF SCIENTIFIC MEETINGS**

2021 Member of the Scientific Committee of the XI International Symposium on Grapevine Physiology and Biotechnology, Stellenbosch, South Africa, 31-10-2021/5-11-2021

2021 Member of the Scientific Committee of the LXIV SIGA Annual Congress "Plant genetic innovation for food security in a climate change scenario", 4-09-2021/16-09-2021

2021 Member of the Scientific Committee of the International Macrowine Conference Microvine 2020, Verona, 23-06-2021/30-06-2021

2018 Member of the Local Organizing Committee and of the Scientific Committee of the 62th Annual Congress of Italian Society of Agricultural Genetics (SIGA), Verona, Italy, 25-29 September;

2016 Member of the Local Organizing Committee and of the Scientific Committee of the X International Symposium on Grapevine Physiology and Biotechnology, Verona, Italy, 13-18 June;

2003 Member of the Local Organizing Committee of the 47th Annual Congress of Italian Society of Agricultural Genetics (SIGA), Verona, Italy, 24-27 September; 300 participants.

- **REVIEWING ACTIVITIES**

2019 – Present Associate Editor of BMC Plant Biology

2018 Guest Associate Editor for Plant Breeding of Frontiers in Plant Science. Topic: “Genetics and Genomics of Plant Reproduction for Crop Breeding”

2018 Scientific Evaluation, Free University of Bolzen, Bolzano, Italy

2018 Scientific Evaluation, Czech Science Foundation, Czech Republic

2017 Editor for Proceedings of the X International Symposium on Grapevine Physiology and Biotechnology (ISHS), Acta Horticulturae, Number 1188

2017 Guest Associate Editor for Technical Advances in Plant Science of Frontiers in Plant Science. Topic: “Applications of Next Generation Sequencing to Unravel Horticultural Crop Responses and Adaptation to Environmental Stresses”

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

2019 – 2012 Member of the executive committee of Italian Society of Agricultural Genetics (Società di Genetica Agraria-SIGA)

2018 – Present Member of International Society for Horticultural Science (ISHS).

2009 – Present Member of Italian Society of Agricultural Genetics (Società di Genetica Agraria-SIGA)

- **GRANTS AND FUNDING**

2009 PRIN 2009, Italian Ministry of University and Research (MIUR), “Characterization of genes involved in berry ripening after pre-boom defoliation”, Research team leader at UNIVR (

2013 Joint Project 2013 "Investigation of the grape berry transcriptome plasticity among two classes of berries during the synchronization of ripening”, Project Coordinator and Scientific Leader, University of Verona, Italy

2013 European INNOVINE Project FP7-311775 “Combining innovation in vineyard management

and genetic diversity for a sustainable European viticulture.", Partner of the project.

2015 Joint Project 2015 "Innovative molecular approaches to investigate the interaction between cultivar Garganega and Soave volcanic soil", Project Coordinator and Scientific Leader, University of Verona, Italy

2016 Joint Project 2016 "Approcci trascrittomici per lo studio dell'apirena in vite da tavola", Project Coordinator and Scientific Leader, University of Verona, Italy

2017 Joint Project 2017 "Noble Rot development in harvested grapes: transcriptomic and metabolomic effects on different genotypes", Project Coordinator and Scientific Leader, University of Verona, Italy (166.000,00 euro)

2018 FSE project 2018, "Berry post-harvest withering for the production of new wine typologies", European Social Fund (ESF) Veneto Region, Project Coordinator and Scientific Leader (78.000,00 euro)

2019 Basic Research 2019, "Definition of master regulator genes of fruit ripening in grapevine", Project Coordinator and Scientific Leader, University of Verona, Italy (77.333,33 euro)

2019 Consorzio INNOVAA – Innovazione Agroalimentare (rappresentante la RIR INNOSAP) TITOLO PROGETTO: Innovativi modelli di sviluppo, sperimentazione ed applicazione di protocolli di sostenibilità della vitivinicoltura veneta (VIT-VIVE), Regione del Veneto POR FESR 2014 2020, Partner of the project.

2021 Coordinator of the assignment of the specialist service to support research within the BIOTECH program, VITECH project "Biotechnologies applied to genetic improvement of the vine to increase sustainability and competitiveness of the supply chain", Lot 3 VITECH 03 (CUP: C76C18000120001), CREA.

- **INVITED SPEAKER**

2017 Lien de la Vigne, Paris, France, "High throughput transcritomic and metabolic, grape quality, climate and grape cultivars".

2018 XII International Conference on Grapevine Breeding and Genetics, Bordeaux, France. "Genetic dissection of grape berry ripening and composition".

2019 VIII Annual Meeting of the Plant Genetics and Biotechnology Network Italian Society of Plant Biology, Italian Society of Agricultural Genetics, University of Padova & Fondazione PlantG&M. "Main regulators of berry ripening: molecular tools to cope with climate change"

2020 7th International Horticulture Research Conference Beijing, Shanghai. "Grape berry development and ripening: a molecular perspective".

2024 Open Grapevine Physiology and Biotechnology Conference, Logrono, Spain. "What triggers the decision to ripen?".

- **MANAGEMENT SKILLS**

2021 - Co-Founder, Vice-Director of EdiVite SRL, a spin-off of the University of Verona with the status of innovative Startup (179/2012). Tax domicile: San Pietro Viminario (PD), Quartiere San Mauro 30, 35020, Padua (PD) is registered in the Padua business register with number PD - 460357 and tax code C.F./P.IVA IT05330590281. Operational headquarters: Department of Biotechnology, Strada Le Grazie 15, University of Verona, Verona.

- **CAREER BREAKS**

2001- 2002 Maternity Leave, 5 months

2006 Maternity Leave, 5 months

- **MAJOR SCIENTIFIC ACHIEVEMENTS**

First description of transcriptional complexity during berry development using RNA-seq; Realization of a genome-wide transcriptomic atlas of grapevine; Identification of key putative switch genes that induce major transcriptomic reprogramming during grapevine development through integrated network analysis; - Molecular basis of changes during the postharvest process in berry; Definition of a core transcriptome of berry development; Molecular interpretation of the genotype X environment interaction; Definition of the timing and order of the molecular events marking the onset of berry ripening in grapevine.

- **PUBLICATIONS**

Statistics at 15/02/2025 (Scopus)
• Number of publications: 78
• h index: 35
• citationsi: 4824

1. Reale, L., Porceddu, A., Lanfaloni, L., Moretti, C., Zenoni, S., Pezzotti, M., Romano, B., Ferranti, F. (2002). Patterns of cell division and expansion in developing petals of Petunia hybrida.
Sexual Plant Reproduction, 15:123-132.

2. Zenoni, S., Reale, L., Tornielli, G.B., Lanfaloni, L., Porceddu, A., Ferrarini, A., Moretti, C., Zamboni, A., Speghini, A., Ferranti, F., Pezzotti, M. (2004). Downregulation of the Petunia hybrida α-Expansin Gene PhEXP1 Reduces the Amount of Crystalline Cellulose in Cell Walls and Leads to Phenotypic Changes in Petal Limbs.
Plant Cell, 16:295-308.

3. Zenoni, S., Ferrarini, A., Giacomelli, E., Xumerle, L., Fasoli, M., Malerba, G., Bellin, D., Pezzotti, M., Delledonne, M. (2010). Characterization of transcriptional complexity during berry development in Vitis vinifera using RNA-Seq.
Plant Physiology, 152:1787-1795.

4. Zamboni, A., di Carli, M., Guzzo, F., Stocchero, M., Zenoni, S., Ferrarini, A., Tononi, P., Toffali, K., Desiderio, A., Lilley, K.S., Pè, M.E., Benvenuto, E., Delledonne, M., Pezzotti, M. (2010). Identification of putative stagespecific grapevine berry biomarkers and omics data integration into networks.
Plant Physiology, 154:1439-1459.

5. Licausi, F., Giorgi, F.M., Zenoni, S., Osti, F., Pezzotti, M., Perata, P. (2010). Genomic and transcriptomic analysis of the AP2/ERF superfamily in Vitis vinifera.
BMC Genomics, 11:719.

6. Bita, C.E., Zenoni, S., Vriezen, W.H., Mariani, C., Pezzotti, M., Gerats, T. (2011). Temperature stress differentially modulates transcription in meiotic anthers of heat-tolerant and heat-sensitive tomato plants.
BMC Genomics, 12:384.

7. Zenoni, S., Fasoli, M., Tornielli, G.B., Dal Santo, S., Sanson, A., de Groot, P., Sordo, S., Citterio, S., Monti, F., Pezzotti, M. (2011). Overexpression of PhEXPA1 increases cell size, modifies cell wall polymer composition and affects the timing of axillary meristem development in Petunia hybrida.
New Phytologist, 191:662-677.

8. Galla, G., Zenoni, S., Marconi, G., Marino, G., Botton, A., Pinosa, F., Citterio, S., Ruperti, B., Palme, K., Albertini, E., Pezzotti, M., Mau, M., Sharbel, T.F., De Storme, N., Geelen, D., Barcaccia, G. (2011). Sporophytic and gametophytic functions of the cell cycle-associated Mob1 gene in Arabidopsis thaliana L.
Gene, 484:1-12.

9. Zenoni, S., D'Agostino, N., Tornielli, G.B., Quattrocchio, F., Chiusano, M.L., Koes, R., Zethof, J., Guzzo, F., Delledonne, M., Frusciante, L., Gerats, T., Pezzotti, M. (2011). Revealing impaired pathways in the an11 mutant by high-throughput characterization of Petunia axillaris and Petunia inflata transcriptomes.
Plant Journal, 68:11-27.

10. Dal Santo, S., Fasoli, M., Cavallini, E., Tornielli, G.B., Pezzotti, M., Zenoni, S. (2011). PhEXPA1, a Petunia hybrida expansin, is involved in cell wall metabolism and in plant architecture specification.
Plant Signaling and Behavior, 6:2031-2034.

11. Pastore, C., Zenoni, S., Tornielli, G.B., Allegro, G., Dal Santo, S., Valentini, G., Intrieri, C., Pezzotti, M., Filippetti, I. (2011). Increasing the source/sink ratio in Vitis vinifera (cv Sangiovese) induces extensive transcriptome reprogramming and modifies berry ripening.
BMC Genomics, 12: 631.

12. Vannozzi, A., Dry, I.B., Fasoli, M., Zenoni, S., Lucchin, M. (2012). Genome-wide analysis of the grapevine stilbene synthase multigenic family: genomic organization and expression profiles upon biotic and abiotic stresses.
BMC Plant Biology, 12:130.

13. Fasoli, M., Dal Santo, S., Zenoni, S., Tornielli, G.B., Farina, L., Zamboni, A., Porceddu, A., Venturini, L., Bicego, M., Murino, V., Ferrarini, A., Delledonne, M., Pezzotti, M. (2012). The grapevine expression atlas reveals a deep transcriptome shift driving the entire plant into a maturation program.
Plant Cell, 24:3489-
3505.

14. Monti, F., Dell'Anna, R., Sanson, A., Fasoli, M., Pezzotti, M., Zenoni, S. (2013). A multivariate statistical analysis approach to highlight molecular processes in plant cell walls through ATR FT-IR microspectroscopy: The role of the α-expansin PhEXPA1 in Petunia hybrida.
Vibrational Spectroscopy, 65: 36-43.

15. Venturini, L., Ferrarini, A., Zenoni, S., Tornielli, G.B., Fasoli, M., Santo, S.D., Minio, A., Buson, G., Tononi, P., Zago, E.D., Zamperin, G., Bellin, D., Pezzotti, M., Delledonne, M. (2013). De novo transcriptome characterization of Vitis vinifera cv. Corvina unveils varietal diversity.
BMC Genomics, 14:41.

16. Pastore, C., Zenoni, S., Fasoli, M., Pezzotti, M., Tornielli, G.B., Filippetti, I. (2013). Selective defoliation affects plant growth, fruit transcriptional ripening program and flavonoid metabolism in grapevine.
BMC Plant Biology, 13:30.

17. Dal Santo, S., Vannozzi, A., Tornielli, G.B., Fasoli, M., Venturini, L., Pezzotti, M., Zenoni, S. (2013). Genome wide analysis of the expansin gene superfamily reveals grapevine-specific structural and functional characteristics.
PLoS ONE, 8:e62206.

18. Zoccatelli, G., Zenoni, S., Savoi, S., Dal Santo, S., Tononi, P., Zandonà, V., Dal Cin, A., Guantieri, V., Pezzotti, M., Tornielli, G.B. (2013). Skin pectin metabolism during the postharvest dehydration of berries from three distinct grapevine cultivars.
Australian Journal of Grape and Wine Research, 19:171-179.

19. Dal Santo, S., Tornielli, G.B., Zenoni, S., Fasoli, M., Farina, L., Anesi, A., Guzzo, F., Delledonne, M., Pezzotti, M. (2013). The plasticity of the grapevine berry transcriptome.
Genome Biology, 14:r54.

20. Porceddu, A., Zenoni, S., Camiolo, S. (2013). The signatures of selection for translational accuracy in plant genes.
Genome Biology and Evolution, 5:1117-1126.

21. Bolla, M., Zenoni, S., Scheurer, S., Vieths, S., Del Mar San Miguel Moncin, M., Olivieri, M., Antico, A., Ferrer, M., Berroa, F., Enrique, E., Avesani, L., Marsano, F., Zoccatelli, G. (2014). Pomegranate (Punica granatum L.) expresses several nsLTP isoforms characterized by different immunoglobulin E-binding properties.
International Archives of Allergy and Immunology, 164:112-121.

22. Palumbo, M.C., 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, 26:4617-4635.

23. Wang, M., Vannozzi, A., Wang, G., Liang, Y.-H., Tornielli, G.B., Zenoni, S., Cavallini, E., Pezzotti, M., Cheng, Z.-M.M. (2014). Genome and transcriptome analysis of the grapevine (Vitis vinifera L.) WRKY gene family.
Horticulture Research, 1:16.

24. Cramer, G.R., Ghan, R., Schlauch, K.A., Tillett, R.L., Heymann, H., Ferrarini, A., Delledonne, M., Zenoni, S., Fasoli, M., Pezzotti, M. (2014). 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 Biology, 14:370.

25. Cavallini, E., Zenoni, S., Finezzo, L., Guzzo, F., Zamboni, A., Avesani, L., Tornielli, G.B. (2014). Functional diversification of grapevine MYB5a and MYB5b in the control of flavonoid biosynthesis in a petunia anthocyanin regulatory mutant.
Plant and Cell Physiology, 55:517-534.

26. Pastore, C., Filippetti, I., Zenoni, S., Fasoli, M., Ferrarini, A., Pezzotti, M., Intrieri, C. (2014). Differential expression of genes in berries of cv. 'Sangiovese' (Vitis vinifera L.) during ripening following cluster thinning at véraison.
Acta Horticulturae, 1046:441-448.

27. Rinaldo, A.R., Cavallini, E., Jia, Y., Moss, S.M.A., McDavid, D.A.J., Hooper, L.C., Robinson, S.P., Tornielli, G.B., Zenoni, S., Ford, C.M., Boss, P.K., Walker, A.R. (2015). A grapevine anthocyanin acyltransferase, transcriptionally regulated by VvMYBA, can produce most acylated anthocyanins present in grape skins.
Plant Physiology, 169:1897-1916.

28. Cavallini, E., Matus, J.T., Finezzo, L., Zenoni, S., Loyola, R., Guzzo, F., Schlechter, R., Ageorges, A., Arce- Johnson, P., Tornielli, G.B. (2015). The phenylpropanoid pathway is controlled at different branches by a set of R2R3-MYB C2 repressors in grapevine.
Plant Physiology, 167:1448-1470.

29. Belli Kullan, J., Lopes Paim Pinto, D., Bertolini, E., Fasoli, M., Zenoni, S., Tornielli, G.B., Pezzotti, M., Meyers, B.C., Farina, L., Pè, M.E., Mica, E. (2015). miRVine: a microRNA expression atlas of grapevine based on smallRNA sequencing.
BMC genomics, 16:393.

30. Anesi, A., Stocchero, M., Dal Santo, S., Commisso, M., Zenoni, S., Ceoldo, S., Tornielli, G.B., Siebert, T.E., Herderich, M., Pezzotti, M., Guzzo, F. (2015). Towards a scientific interpretation of the terroir concept: plasticity of the grape berry metabolome.
BMC Plant Biology, 15:191.

31. Movahed, N., Pastore, C., Cellini, A., Allegro, G., Valentini, G., Zenoni, S., Cavallini, E., D'Incà, E., Tornielli, G.B., Filippetti, I. (2016). The grapevine VviPrx31 peroxidase as a candidate gene involved in anthocyanin degradation in ripening berries under high temperature.
Journal of Plant Research, 129:513-526.

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 and Cell Physiology, 57:1332-1349.

33. Dal Santo, S., Fasoli, M., Negri, S., D'incà, E., Vicenzi, N., Guzzo, F., Tornielli, G.B., Pezzotti, M., Zenoni, S.(2016). Plasticity of the berry ripening program in a white grape variety.
Frontiers in Plant Science, 7:970.

34. Dal Santo, S., Commisso, M., D'incà, E., Anesi, A., Stocchero, M., Zenoni, S., Ceoldo, S., Tornielli, G.B., Pezzotti, M., Guzzo, F. (2016). The terroir concept interpreted through grape berry metabolomics and transcriptomics.
Journal of Visualized Experiments, 2016:e54410, .

35. Dal Santo, S., Palliotti, A., Zenoni, S., Tornielli, G.B., 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, 17:815.

36. Zenoni, S., Fasoli, M., Guzzo, F., Dal Santo, S., Amato, A., Anesi, A., Commisso, M., Herderich, M., Ceoldo, S., Avesani, L., Pezzotti, M., Tornielli, G.B. (2016). Disclosing the molecular basis of the postharvest life of berry in different grapevine genotypes.
Plant Physiology, 172:1821-1843.

37. Amato, A., Cavallini, E., Zenoni, S., Finezzo, L., Begheldo, M., Ruperti, B., Tornielli, G.B. (2017). A grapevine TTG2-like WRKY transcription factor is involved in regulating vacuolar transport and flavonoid biosynthesis.
Frontiers in Plant Science, 7:1979.

38. Galla, G., Zenoni, S., Avesani, L., Altschmied, L., Rizzo, P., Sharbel, T.F., Barcaccia, G. (2017). Pistil transcriptome analysis to disclose genes and gene products related to aposporous apomixis in Hypericum perforatum L.
Frontiers in Plant Science, 8:79.

39. Zenoni, S., Dal Santo, S., Tornielli, G.B., D'Incà, E., Filippetti, I., Pastore, C., Allegro, G., Silvestroni, O., Lanari, V., Pisciotta, A., di Lorenzo, R., Palliotti, A., Tombesi, S., Gatti, M., Poni, S. (2017). Transcriptional responses to pre-flowering leaf defoliation in grapevine berry from different growing sites, years, and genotypes.
Frontiers in Plant Science, 8: 630.

40. Pastore, C., Santo, S.D., Zenoni, S., Movahed, N., Allegro, G., Valentini, G., Filippetti, I., Tornielli, G.B. (2017). Whole plant temperature manipulation affects flavonoid metabolism and the transcriptome ofgrapevine berries.
Frontiers in Plant Science, 8: 929.

41. Massonnet, M., Fasoli, M., Tornielli, G.B., 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 Physiology, 174:2376-2396.

42. Pastore, C, Movahed, N, Allegro, G, Valentini, G, Zenoni, S, Dal Santo, S, Tornielli, G.B, Filippetti, I. (2017). Phenolic contents and genome-wide expression profiling of grapevine berries (Vitis vinifera L. 'Sangiovese') ripened under two different temperature regimes.
Acta Horticulturae, 1172: 289-294.

43. Zamboni, A., Celletti, S., Zenoni, S., Astolfi, S., Varanini, Z. (2017). Root physiological and transcriptional response to single and combined S and Fe deficiency in durum wheat.
Environmental and Experimental Botany, 143:172-184.

44. 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, G.B., 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. 93:1143-1159.

45. 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. 178(3):1187-1206.

46. Fasoli M, Dell'Anna R, Amato A, Balestrini R, Dal Santo S, Monti F, Zenoni S. (2019). Active rearrangements in the cell wall follow polymer concentration during postharvest withering in the berry skin of Vitis vinifera cv. Corvina.
Plant Physiol Biochem. 135:411-422.

47. Fasani E, DalCorso G, Costa A, Zenoni S, Furini A. (2019). The Arabidopsis thaliana transcription factor MYB59 regulates calcium signalling during plant growth and stress response.
Plant Mol Biol. 99(6):517-534.

48. Magris G, Di Gaspero G, Marroni F, Zenoni S, Tornielli GB, Celii 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.

49. Zenoni, S.,D'Incà, E.,Tornielli, G.B. (2019). Genetic dissection of grape berry ripening control: Defining a role for NAC transcription factors.
Acta Horticulturae 1248 ,pp.387

50. Amato A, Cavallini E, Walker AR, Pezzotti M, Bliek 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.

51. Lovato A, Zenoni S, Tornielli GB, Colombo T, Vandelle E, Polverari A. (2019). Plant and fungus transcriptomic data from grapevine berries undergoing artificially-induced noble rot caused by Botrytis cinerea.
Data Brief. 25:104150.

52. Bertini, E., Tornielli, G.B., Pezzotti, M., Zenoni, S. (2019). Regeneration of plants from embryogenic callus-derived protoplasts of Garganega and Sangiovese grapevine (Vitis vinifera L.) cultivars. Plant Cell, Tissue and Organ Culture. 138, 239-246.

53. Delfino P, Zenoni S, Imanifard Z, Tornielli GB, Bellin D. (2019). Selection of candidate genes controlling veraison time in grapevine through integration of meta-QTL and transcriptomic data.
BMC Genomics. 20(1):739.

54. Fasoli, M., Richter, C.L., Zenoni, S., Bertini, E., Vitulo, N., Dal Santo, S., Dokoozlian, N., Pezzotti, M., Tornielli, G.B. (2019). Unraveling the key molecular events of grape berry ripening. Acta Horticulturae. 1248, 241-248.

55. Zenoni, S.,D'Incà, E.,Tornielli, G.B. (2019). Genetic dissection of grape berry ripening control: Defining a role for NAC transcription factors.
Acta Horticulturae 1248 ,pp.387.

56. Lovato, A., Zenoni, S., Tornielli, G.B., Colombo, T., Vandelle, E., Polverari, A. (2019). Specific molecular interactions between Vitis vinifera and Botrytis cinerea are required for noble rot development in grape berries. Postharvest Biology and Technology. 156, 110924.

57. Zenoni S, Amato A, D'Incà E, Guzzo F, Tornielli GB. (2020). Rapid dehydration of grape berries dampens the post-ripening transcriptomic program and the metabolite profile evolution. Hortic Res. 7:141.

58. D'Incà E, Cazzaniga S, Foresti C, Vitulo N, Bertini E, Galli M, Gallavotti A, Pezzotti M, Battista Tornielli G, Zenoni S. (2021). VviNAC33 promotes organ de-greening and represses vegetative growth during the vegetative-to-mature phase transition in grapevine.
New Phytol. 231(2):726-746.

59. Crespan, M., Migliaro, D., Vezzulli, S., Zenoni, S., Tornielli, G.B., Giacosa, S., Paissoni, M.A. Segade, S.R., Rolle, L. (2021). A major QTL is associated with berry grape texture characteristics.
Oeno One 55(1), pp. 183–206.

60. Dal Santo S, De Paoli E, Pagliarani C, Amato A, Celii M, Boccacci P, Zenoni S, Gambino G, Perrone I. (2022). Stress responses and epigenomic instability mark the loss of somatic embryogenesis competence in grapevine.
Plant Physiol. 188(1):490-508.

61. 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. (2022). The Grape Gene Reference Catalogue as a Standard Resource for Gene Selection and Genetic Improvement.
Front Plant Sci. 12:803977.

62. Amato A, Cardone MF, Ocarez N, Alagna F, Ruperti B, Fattorini C, Velasco R, Mejía N, Zenoni S, Bergamini C. (2022) VviAGL11 self-regulates and targets hormone- and secondary metabolism-related genes during seed development.
Horticulture Research. 9, 2022,

63. Najafi S, Bertini E, D'Incà E, Fasoli M, Zenoni S. (2023) DNA-free genome editing in grapevine using CRISPR/Cas9 ribonucleoprotein complexes followed by protoplast regeneration.
Horticulture Research, 10, 2023, uhac240, https://doi.org/10.1093/hr/uhac240

64. Nerva, L., Dalla Costa, L., Ciacciulli, A., ...Malnoy, M.A., Licciardello, C. (2023). The Role of Italy in the Use of Advanced Plant Genomic Techniques on Fruit Trees: State of the Art and Future Perspectives
International Journal of Molecular Sciences, 24(2), 977

65. Barcaccia, G., Mazzucato, A., Albertini, E., ...Granell, A., Pupilli, F. (2023). Editorial: Genetics and genomics of plant reproduction for crop breeding, volume II.
Frontiers in Plant Science, 14, 1145208

66. Shmuleviz, R., Amato, A., Commisso, M., ...Zenoni, S., Tornielli, G.B. (2023) Temperature affects organic acid, terpene and stilbene metabolisms in wine grapes during postharvest dehydration.
Frontiers in Plant Science, 14, 1107954

67. Vannozzi, A., Perin, C., Palumbo, F., ...Cestaro, A., Lucchin, M. (2023) Dissecting the effect of soil on plant phenology and berry transcriptional plasticity in two Italian grapevine varieties (Vitis vinifera L.)
Horticulture Research, 10(5), uhad056

68. Tornielli, G.B., Sandri, M., Fasoli, M., ...Zuccolotto, P., Zenoni, S. (2023) A molecular phenology scale of grape berry development.
Horticulture Research, 10(5), uhad048

69. D'Incà, E., Foresti, C., Orduña, L., ...Tornielli, G.B., Zenoni, S. (2023) The transcription factor VviNAC60 regulates senescence- and ripening-related processes in grapevine
Plant Physiology, 192(3), pp. 1928–1946

70. Zenoni, S., Savoi, S., Busatto, N., Tornielli, G.B., Costa, F. (2023) Molecular regulation of apple and grape ripening: exploring common and distinct transcriptional aspects of representative climacteric and nonclimacteric fruits
Journal of Experimental Botany, 2023, 74(20), pp. 6207–6223

71. Deluc, L.G., Gouthu, S., Rossdeutsch, L., ... Anderson, J., Pezzotti, M.
Influence of seed development on the timing of ripening initiation in grape berry and its ripening progress toward maturity
Acta Horticulturae, 2024, (1390), pp. 109–120

72. D'Incà, E., Foresti, C., Amato, A., Tornielli, G.B., Zenoni, S. Involvement of CARPO-NAC in ripening progression in grapevine
Acta Horticulturae, 2024, (1390), pp. 121–128
73. Belfiore, N., Amato, A., Gardiman, M., ... Fasoli, M., Bavaresco, L. The Role of Terroir on the Ripening Traits of V. vinifera cv 'Glera' in the Prosecco Area
Plants, 2024, 13(6), 816

74. Foresti, C., Orduña, L., Matus, J.T., ... Amato, A., Zenoni, S. NAC61 regulates late- and post-ripening osmotic, oxidative, and biotic stress responses in grapevine
Journal of Experimental Botany, 2024, 75(8), pp. 2330–2350

Book chapters:

1. Zenoni, S., Zamboni, A., Porceddu, A., Pezzotti, M. (2009). The role of expansins A in Petunia development. Petunia: Evolutionary, Developmental and Physiological Genetics (Second Edition), pp. 247-267.

2. Tornielli, G.B., Zamboni, A., Zenoni, S., Delledonne, M., Pezzotti, M. (2012). Transcriptomics and metabolomics for the analysis of grape berry development. The Biochemistry of the Grape Berry, pp. 218-240.

3. Zenoni, S., Amato, A., Tornielli, G.B. (2020). Grape Berry Transcriptome. Comprehensive Foodomics, pp. 558–571.

4. Vezzulli, S., Gramaje, D., Tello, J., ...Hausmann, L., Reisch, B.I. (2022). Genomic designing for biotic stress resistant grapevine. Genomic Designing for Biotic Stress Resistant Fruit Crops, pp. 87–255

Verona, 15-02-2024