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Degree	1986, Agricultural Sciences, University of Perugia, Italy
PhD	1989, Crop Productivity: Breeding alfalfa for seed yield, University of Perugia, Italy
Visiting scientist	1989: University of Nevada-Reno, USA 1996-97: University of Wisconsin-Madison, USA 2000-2001: University of Georgia- Athens, USA
Professional experience	1990-91: Research Scientist, Institute for Industrial Crops, Ministry of Agriculture and Forestry, Bologna, Italy 1991-2003: Research Scientist, Dept of Plant Biology and Agro-environmental Biotechnology, University of Perugia, Italy 2004- present: Associate Professor, Department of Agricultural, Food and Environmental Sciences, University of Perugia, Italy
Membership of Scientific Societies	<ul style="list-style-type: none">• Italian Society of Agricultural Genetics: Member of the Board, 2008-2009 Secretary 2019-• European Association for Research on Plant Breeding (Eucarpia) Member of the Board of the Eucarpia Fodder Crops and Amenity Grasses Section, 2004-2011• Society for In vitro Biology• Secretary of the International Herbage Seed Group, 1997-2000• Third Symposium on Molecular Breeding of Forage and Turf, Dallas, TX, USA, 2003• Plant Transformation Technologies III", Vienna (Austria), February 12-15, 2014• Green Biotechnology Workshop, Bayramoglu Resort Hotel, Darica, Kocaeli, Turkey, Sept 21-23, 2015
Invited speaker	
Main scientific interests	Alfalfa Genetics, Breeding, Biotechnology, Reproduction biology, Polyploidy
Teaching	Plant Genetics, plant breeding and biotechnology 2016- to present: President of the board of the MSc course in Agricultural and Environmental Biotechnologies, University of Perugia

Selected publications

- Bellucci M, DeMarchis F, Pompa A, Micheli M, Gardi T, Rosellini D. 2019. Transfer of a mutant plant glutamate 1-semialdehyde aminotransferase gene from the nuclear to the plastid genome confers gabaculine resistance in tobacco. *Plant Cell Tissue Organ Culture* 137:411-416 doi 10.1007/s11240-019-01566-x
- Lorenzetti F, Albertini E, Frusciante L, Rosellini D, Russi L, Tuberosa R, Veronesi F (2018) Miglioramento genetico delle piante agrarie. Edagricole, Bologna. ISBN 978-88-506-5509-0
- Marconi G, Landucci F, Venanzoni R, Rosellini D, Albertini E. 2019. DNA Barcoding as a tool for early warning and monitoring alien duckweeds (*Lemna* sp.pl.): the case of Central Italy. *Plant Biosystems*. doi:10.1080/11263504.2018.1536087
- Nicolia A, Ferradini N, Veronesi F, Rosellini D. 2017. An insight into T-DNA integration events in *Medicago sativa*. *Int J Mol Sci*, 18, 1951; doi:10.3390/ijms18091951. IF 3.27 (2016). *Q2 Biochemistry and Molecular Biology*
- Rosellini D (2017). Genetic engineering for crop yield. In Pilu R, Gavazzi G (Ed) *More food – Road to survival*. Bentham Books, 2017 pp. 399-414.
- Gürel F, Öztürk ZN, Uçarlı C, Rosellini D (2016) Barley Genes as Tools to Confer Abiotic Stress Tolerance in Crops. *Front. Plant Sci.* 7:1137. doi: 10.3389/fpls.2016.01137 (2015)
- Rosellini D, Ferradini N, Allegrucci S, Capomaccio S, Zago ED, Leonetti P, Balech B, Aversano R, Carputo D, Reale L, Veronesi F (2016) Sexual polyploidization in *Medicago sativa* L.: impact on the phenotype, gene transcription and genome methylation. *G3 – Genes Genomes Genetics*, 6:925-938 doi: 10.1534/g3.115.026021
- Ferradini N, Giancaspro A, Nicolia A, Gadaleta A, Veronesi F, Rosellini D (2015) Efficient, antibiotic marker-free transformation of a dicot and a monocot crop with glutamate 1-semialdehyde Aminotransferase selectable marker genes. In: *Recombinant proteins from plants. Methods and protocols*. Vol. 1385 of Series: *Methods Molecular*

- Biology. Menassa R, Kolotilin I, McDonald J (Eds). Springer Science, New York. ISBN : 978-1-4939-3288-7. DOI 10.1007/978-1-4939-3289-4. pp 89-98.
- Bellucci M, De Marchis F, Ferradini N, Pompa A, Veronesi F, Rosellini D (2015) A mutant *Synechococcus* gene encoding glutamate 1-semialdehyde aminotransferase confers gabaculine resistance when expressed in tobacco plastids. *Plant Cell Reports* 34:2127–2136 doi: 10.1007/s00299-015-1856-z
- Faralli M, Lektemur C, Rosellini D, Gürel F (2015) Effects of heat shock on salinity tolerance in barley (*Hordeum vulgare* L.): plant growth and stress-related gene transcription. *Biologia Plantarum* 59: 537-546. doi: 10.1007/s10535-015-0518-x.
- Ferradini N, Iannacone R, Capomaccio S, Metelli A, Armentano N, Semeraro L, Cellini F, Veronesi F, Rosellini D (2015) Assessment of Heat Shock Protein 70 Induction by Heat in Alfalfa Varieties and Constitutive Overexpression in Transgenic Plants. *Plos One* 10(5): e0126051. doi:10.1371/journal.pone.0126051.
- Milner SG, Ferradini N, Nocolia A, Veronesi F, Salvi S, Rosellini D (2014) Copy number of a plant-derived selectable marker gene estimated by high resolution melting analysis: a tool to simplify transgenic plant breeding. *Crop Science* 54:1133-1138.
- Nocolia A, Ferradini N, Molla G, Biagetti E, Pollegioni L, Veronesi F, Rosellini D (2014) Expression of an Evolved Engineered Variant of a Bacterial Glycine Oxidase Leads to Glyphosate Resistance in Alfalfa. *Journal of Biotechnology* 184: 201–208. doi:10.1016/j.jbiotec.2014.05.020.
- Nocolia A, Veronesi F, Rosellini D (2013) An overview of the last ten years of GE crop safety research. *Critical reviews in biotechnology* <http://informahealthcare.com/doi/abs/10.3109/07388551.2013.823595>
- Rosellini D. (2012) Selectable markers and reporter genes: a well furnished toolbox for plant science and genetic engineering. *Critical reviews in Plant Science* 31:401–453. DOI: 10.1080/07352689.2012.683373
- Giancaspro A, Rosellini D, Blanco A, Gadaleta A (2012) Gabaculine selection using bacterial and plant marker genes (GSA-AT) in durum wheat transformation. *Plant Cell Tissue Organ Culture* 109:447–455. DOI 10.1007/s11240-011-0109-2.
- Aversano R, Ercolano MR, Caruso I, Fasano C, Rosellini D, Carputo D (2012) Molecular tools for exploring polyploid genomes in plants. *Int. J. Mol. Sci.* 13, 10316–10335; DOI: 10.3390/ijms130810316
- Aversano R, Capomaccio S, Carputo D, Veronesi F, Rosellini D (2012) Variation of DNA methylation and phenotypic traits following unilateral sexual polyploidization in *Medicago*. *Euphytica* 186:731–739. DOI: 10.1007/s10681-011-0571-2
- Rosellini D (2011) Selectable marker genes from plants: reliability and potential. *In Vitro Cell. Devel. Biol.-Plant* (invited review) 47:222-233 DOI: 10.1007/s11627-011-9348-5
- Lorenzetti F, Ceccarelli S, Rosellini D, Veronesi F (2011) *Genetica Agraria – Genetica e biotecnologie per l'agricoltura*. Patron, Bologna, 480 pp. ISBN 978-88-555-3123-8
- Ferradini N, Nocolia A, Capomaccio S, Veronesi F, Rosellini D (2011) Assessment of simple marker-free genetic transformation techniques in alfalfa. *Plant Cell Reports* 30:1991-2000 DOI: 10.1007/s00299-011-1107-x
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- Kölliker R, Rosellini D, Wang Z-Y (2010) Development and application of biotechnological and molecular genetic tools. In: Boller B, Posselt U, Veronesi F (Eds) *Fodder crops and amenity grasses*, Vol. 5 in the Series: *Handbook of Plant Breeding*. Springer Science, pp. 89–113. ISBN: 978-1-4419-0759-2. DOI 10.1007/978-1-4419-8_17
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- Rosellini D. Lorenzetti F. and Bingham E.T. 1998. Quantitative ovule sterility in *Medicago sativa*. *Theor. Appl. Genet.*

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Piccioni E., Rosellini D., Standardi A. and Falcinelli M. 1996. Micropropagation of mother plants of lucerne (*Medicago sativa* L.) for somatic embryogenesis. *Euphytica* 89:193-200

Rosellini D., Veronesi F. and Falcinelli M. 1994. Recurrent selection for microgametophytic vigor in alfalfa and correlated responses at the sporophytic level. *Crop Sci.* 34:933-936