



Curriculum Vitae Europass

Informazioni personali

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Esperienza professionale

Data

2006-tutt'oggi

Lavoro o posizione ricoperti

Professore Ordinario di Fisiologia e Biotecnologie vegetali (fino a maggio 2011 presso la Facoltà di Agraria dell'Università degli Studi della Tuscia e da giugno 2011 presso Dipartimento di Scienze e Tecnologie per l'Agricoltura, le Foreste, la Natura e l'Energia (DAFNE) dell'Università degli Studi della Tuscia)

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Lavoro o posizione ricoperti

Professore associato di Fisiologia e Biotecnologie vegetali presso la Facoltà di Agraria dell'Università degli Studi della Tuscia

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Lavoro o posizione ricoperti

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"Editorial Board of Journal of Cereal Science"

Date

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Principali attività e responsabilità

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Date

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Principali attività e responsabilità

Vice direttore del Dipartimento di Agrobiologia e Agrochimica dell'Università degli Studi della Tuscia

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1994-1996

Principali attività e responsabilità

Membro dell'"Editorial Review Board of Tree Physiology".

Membro di Società scientifiche e attività di referee

Membro dell'International Society for Molecular Plant-Microbe Interactions (IS-MPMI); International Wheat Genome Sequencing Consortium (IWGSC); Società Italiana di Biologia Vegetale (SIBV); Società Italiana di Genetica Agraria (SIGA); Società Italiana di Patologia Vegetale (SIPAV). E' referee di riviste scientifiche internazionali e di progetti di ricerca nel settore dell'interazione pianta-patogeno, biologia molecolare vegetale e genetica agraria

Attività di ricerca	Nel corso dell'attività di ricerca si è occupato principalmente i) dei meccanismi molecolari di difesa che la pianta attiva durante l'aggressione del patogeno e ii) della caratterizzazione strutturale e funzionale delle proteine di riserva del frumento in relazione alle caratteristiche qualitative delle farine o semole che esse influenzano. Attualmente è impegnato principalmente a definire il ruolo degli inibitori delle glicosidasi nella risposta di difesa della pianta e nello sfruttamento di queste componenti per migliorare la resistenza del frumento alle malattie fungine. Recentemente, il suo gruppo ha dimostrato l'efficacia dell'inibitore delle poligalatturonasi (PGIP), dell'inibitore delle pectin metil esterasi (PMEI) e dell'inibitore delle xilanasi nel ridurre l'infezione e la colonizzazione di funghi patogeni in frumento.															
Visiting scientist at International Institutions	-Salk Institute, San Diego, CA, USA (1986-1987); -Complex Carbohydrate Research Center, University of Georgia, USA (1987-1988); -US Department of Agriculture, Agricultural Research Service, Western Regional Research Center, Albany, CA, USA (1992, 1994, 1997, 2011; 3 months each time).															
Premi e brevetti	-Cereal Biotechnology Young Investigator Award. American Association of Cereal Chemistry, Biotechnology Division (1998). -Co- inventore del brevetto MI96A002663.															
Madrelingua	Italiano															
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Autovalutazione																
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	(*) Quadro comune europeo di riferimento per le lingue															
Patente	B															
Pubblicazioni	<p>Publications in International Peer Reviewed Journals with Impact factor</p> <ol style="list-style-type: none"> Moscetti I., Faoro F., Moro S., Sabbadin D., Sella L., Favaron F., D'Ovidio R. (2014) The xylanase inhibitor taxi-iii counteracts the necrotic activity of a <i>Fusarium graminearum</i> xylanase in vitro and in durum wheat transgenic plants. <i>Molecular Plant Pathology</i> (in press) Forte P., Virili M.E., Kuzmanović L., Moscetti I., Gennaro A., D'Ovidio R., Ceoloni C. (2014) A novel assembly of <i>Thinopyrum ponticum</i> genes into the durum wheat genome: pyramiding <i>Fusarium</i> head blight resistance onto recombinant lines previously engineered for other beneficial traits from the same alien species. <i>Plant Molecular Biology</i> (in press) Gazza L., Taddei F., Conti S., Gazzelloni G., Muccilli V., Janni M., D'Ovidio R., Alfieri M., Redaelli R., Pogna N.E. (2014) Biochemical and molecular characterization of <i>Avena</i> indolines and their role in kernel texture. <i>Mol Genet Genomics</i>, DOI 10.1007/s00438-014-0894-5. Kalunke R.M., Cenci A., Volpi C., O'Sullivan D.M., Sella L., Favaron F., Cervone F., De Lorenzo G., D'Ovidio R. (2014) The pgip family in soybean and three other legume species: evidence for a birth-and-death model of evolution. <i>BMC Plant Biology</i>, 14:189, http://www.biomedcentral.com/1471-2229/14/189 Egidi E., Sestili F., Janni M., D'Ovidio R., Lafiandra D., Ceriotti A., Vensel W.H., Kasarda D., Masci S. (2014) An asparagine residue at the N-terminus affects the maturation process of low molecular weight glutenin subunits of wheat endosperm. <i>BMC Plant Biology</i>, 14:64, http://www.biomedcentral.com/1471-2229/14/64. Volpi C, Raiola A, Janni M, Gordon A, O'Sullivan DM, Favaron F, D'Ovidio R (2013). <i>Claviceps purpurea</i> expressing polygalacturonases escaping PGIP inhibition fully infects PvPGIP2 wheat transgenic plants but its infection is delayed in wheat transgenic plants with increased level of pectin methyl esterification. <i>Plant Physiology And Biochemistry</i>, vol. 73, p. 294-301, doi: 10.1016/j.plaphy.2013.10.011 Moscetti I, Tundo S, Janni M, Sella L, Gazzetti K, Tauzin A, Giardina T, Masci S, Favaron F, D'Ovidio R (2013). Constitutive expression of the xylanase inhibitor TAXI-III delays <i>Fusarium</i> head blight symptoms in durum wheat transgenic plants. <i>Molecular Plant-Microbe Interactions</i>, vol. 26, p. 1464-1472, doi: 10.1094/MPMI- 															

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Si autorizza il trattamento dei dati personali ai sensi del D.Lgs. 196/2003.
Viterbo,

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