



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Giuffrida Maria Gabriella**
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E-mail giabriella.giuffrida@ispa.cnr.it
Nationality Italian
Date of birth 15/07/1961
Gender female

Work experience

Occupation or position held Scientist at ISPA-CNR
Main activities and responsibilities Research Activity
From September 2001: Permanent position at ISPA-CNR Turin
March 2000: Short term position at "Centre for Molecular Medicine" University College of London.
Study of maize major allergens
From June 1997: Long term position at CSAAPZ-CNR Turin
April-May 1997 Short term position at Institute of Biotechnology Jena Germany Investigation on milk fat globules associated proteins
October-November 1996 Short term position at Institute of Biotechnology Jena Germany: Investigation on milk fat globules associated proteins
1993-1996 Fellow ships at CSAAPZ-CNR Turin: Research on human milk proteins
Name and address of employer CNR-ISPA c/o Bioindustry Park S.Fumero, 5. Via Ribes, Colletterto Giacosa (TO) Italy
Type of business or sector Public research on food production, safety and human nutrition.

Education and training

Dates March 1990
Title of qualification awarded PhD in Biology
Principal subjects/occupational skills covered Biological research
Name and type of organisation providing education and training University of Turin
Level in national or international classification February 1994
Master in Applied Biotechnology, University of Turin

Personal skills and competencesMother tongue(s) **Italian**Other language(s) **English, French, Dutch**

Self-assessment

European level ()***English****French****Dutch**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Good	Very good	Good	Good	Good
Basic	Basic	Basic	Basic	Basic
Basic	Basic	Basic	Basic	

Organizational skills and competences

Promoting the Proteome Science giving lectures at both national and international conferences, by courses (2DE, Proteome, Mass Spectrometry for Proteome Analysis) and training in collaboration with the Biotechnology Foundation of Turin

Technical skills and competences

Expert on Proteomic techniques: 2DE, image software, peptide and protein mass spectrometry (MALDI-TOF/TOF, LC-MS/MS). Discovery of food allergens from seeds and fruits. Proteome of Microorganisms.

Funded Projects

International Funded Projects as responsible of part of the research

Title of contract: "Adverse reactions to foods"

Financing: CE - FAIR CT97-3224

From: European Community

Research responsible: Amedeo Conti

Title of contract: Food Allergy Risk Evaluation based on improved Diagnosis, Allergens and test methods" (FAREDAT)

Financing: CE QLK4 2001-00301

From: European Community

Research responsible: Amedeo Conti

Title of contract: The Prevalence, Cost and Basis of Food Allergy Across Europe (EUROPREVALL)

Financing: FOOD-CT-2005-514000

From: European Community

Research responsible: Amedeo Conti

Italian Funded Projects as head of research unit

Regione Piemonte - Ricerca industriale e Sviluppo Pre-competitivo 2006; "Integrated technology platform supporting the quality and safety of typical wines of Piedmont - Italy" Financing: 12904/51. 2007-2010.

Accordo quadro CNR-Regione Lombardia "Risorse biologiche e tecnologiche innovative per lo sviluppo sostenibile del sistema agro-alimentare" 2008-2010.

Ministero della Salute - Progetto Ordinario 2008-2010 "Development of nanotechnological methods (biosensors) to detect hidden allergens in animal and vegetable origin food" (RF-IZP-2008-1160478) . .

Regione Piemonte - Innovazione e transizione produttiva "Sviluppo di un integratore alimentare basato su componenti del latte equino per la prevenzione delle gastroenteriti da Rotavirus" 2011-2013 IARO (147- 190).

Regione Piemonte "Piattaforma Regionale per lo sviluppo di nuove tecnologie per la rintracciabilità della qualità e della sicurezza dei vini di pregio Piemontesi" TraQuasWine (186 - 330 C) 2011-2013.

Fondazione CRT - Richieste Ordinarie 2014; Utilità della diagnostica molecolare nelle allergie alle nocciole e alla mandorle in pazienti pediatriche (2015-2016)

Publications

LAST FIVE YEARS PUBLICATIONS:

Civra A, Giuffrida MG, Donalizio M, Napolitano L, Takada Y, Coulson BS, Conti A, Lembo D. Identification of Equine Lactadherin-derived Peptides That Inhibit Rotavirus Infection via Integrin Receptor Competition. *J Biol Chem*. 2015 May 8;290(19):12403-14. doi: 10.1074/jbc.M114.620500

T. Rocha TS, Tramuta C, Catania S, Matucci A, Giuffrida MG, Baro C, Profiti M, Bertolotti L, Rosati S. Cloning, expression, and antigenic characterization of recombinant protein of *Mycoplasma gallisepticum* expressed in *Escherichia coli*. *Poult Sci*. 2015 Apr;94(4):621-7. doi: 10.3382/ps/pev012

Scaturro M, Barello C, Giusti MD, Fontana S, Pinci F, Giuffrida MG, Ricci ML. Identification and characterization of genes, encoding the 3-hydroxybutyrate dehydrogenase and a putative lipase, in an avirulent spontaneous *Legionella pneumophila* serogroup 6 mutant. *APMIS*. 2015 Apr;123(4):330-41. doi: 10.1111/apm.12349

Giuffrida MG, Villalta D, Mistrello G, Amato S, Asero R. (2014) "Shrimp allergy beyond Tropomyosin in Italy: clinical relevance of Arginine Kinase, Sarcoplasmic calcium binding protein and Hemocyanin". *Eur Ann Allergy Clin Immunol* 46(5):172-7.

Violetta, MR; Mazzoli, R; Barello, C, Fattori, P; Giuffrida, MG; Pessione, E. (2014) "Combining LC-MS/MS, PMF and N-terminal amino acid sequencing for multiplexed characterization of a bacterial surfactant glycoprotein biosynthesized by *Acinetobacter radioresistens* S13". *RSC Advances* 4(21):10918-10927 DOI: 10.1039/c4ra00692e

Lambri M., Dordoni R., Giribaldi M.*, Riva Violetta M., Giuffrida M.G. (2013) "Effect of pH on the protein profile and heat stability of an Italian white wine." *Food Research International* 54:1781-6.

Giribaldi M., Ortoffi M.F., Giuffrida M.G., Gastaldi D., Peila C., Coscia A., Raia M., Arslanoglu S., Moro G.E., Cavallarin L.*, Bertino E. (2013) "Effect of prolonged refrigeration on the protein and microbial profile of human milk." *International Dairy Journal* 31:121-6.

A: F. Borghesan, G.Mistrello, S.Amato, MG.Giuffrida, D.Villalta, R.Asero
A case of mugwort-fennel-allergy-syndrome associated with sensitization to an allergen homologous to Api g 5.*Eur Ann Allergy Clin Immunol* 2013; 45(4): 130-137

A: Pastorello EA, Farioli L, Stafylaraki C, Scibilia J, Giuffrida MG, Mascheri A, Piantanida M, Baro C, Primavesi L, Nichelatti M, Schroeder JW, Pravettoni V. Fennel allergy is a lipid-transfer protein (LTP)-related food hypersensitivity associated with peach allergy. *J Agric Food Chem*. 2013 Jan 23;61(3):740-6. doi: 10.1021/jf303291k. Epub 2013 Jan 14. PubMed PMID: 23210484.

A: Pastorello EA, Scibilia J, Farioli L, Primavesi L, Giuffrida MG, Mascheri A, Piantanida M, Mirone C, Stafylaraki C, Violetta MR, Nichelatti M, Preziosi D, Losappio L, Pravettoni V. Rice allergy demonstrated by double-blind placebo-controlled food challenge in peach-allergic patients is related to lipid transfer protein reactivity. *Int Arch Allergy Immunol*. 2013;161(3):265-73. doi: 10.1159/000345974. Epub 2013 Mar 15. PubMed PMID: 23548503.

A: Giuffrida MG. Dal Proteoma all'Allergenomica. *Not Allergol* 2012, 30 (3): 107-119

A: Spertino S, Cipriani V, De Angelis C, Giuffrida MG, Marsano F, Cavaletto M. Proteome profile and biological activity of caprine, bovine and human milk fat globules. *Mol Biosyst*. 2012 Apr;8(4):967-74. doi: 10.1039/c2mb05400k. Epub 2011 Dec 21. PubMed PMID: 22193558.

A: Lambri M, Dordoni R, Giribaldi M, Riva Violetta M, Giuffrida MG.
Heat-unstable protein removal by different bentonite labels in white wines
LWT - Food Science and Technology 2012; 46: 460-467.

Giribaldi M, Purrotti M, Pacifico D, Santini D, Mannini F, Caciagli P, Rolle L, Cavallarin L, Giuffrida MG, Marzachi C. A multidisciplinary study on the effects of phloem-limited viruses on the agronomical performance and berry quality of *Vitis vinifera* cv. Nebbiolo. *J Proteomics*. 2011 Dec 10;75(1):306-15. doi: 10.1016/j.jprot.2011.08.006. Epub 2011 Aug 11. PubMed PMID: 21856458.

Baro C, Giribaldi M, Arslanoglu S, Giuffrida MG, Dellavalle G, Conti A, Tonetto P, Biasini A, Coscia A, Fabris C, Moro GE, Cavallarin L, Bertino E. Effect of two pasteurization methods on the protein content of human milk. *Front Biosci (Elite Ed)*. 2011 Jun 1;3:818-29. PubMed PMID: 21622093.

Cardinali A, Tursi N, Ligorio A, Giuffrida MG, Napolitano L, Caliandro R, Sergio L, Di Venere D, Lattanzio V, Sonnante G. Purification, biochemical characterization and cloning of a new cationic peroxidase isoenzyme from artichoke. *Plant Physiol Biochem*. 2011 Apr;49(4):395-403. doi: 10.1016/j.plaphy.2011.01.028. Epub 2011 Feb 4. PubMed PMID: 21345687.

Sancho AI, Hoffmann-Sommergruber K, Alessandri S, Conti A, Giuffrida MG, Shewry P, Jensen BM, Skov P, Vieths S. Authentication of food allergen quality by physicochemical and immunological methods. *Clin Exp Allergy*. 2010 Jul;40(7):973-86. doi: 10.1111/j.1365-2222.2010.03534.x. Review. PubMed PMID: 20642576

Congress Organisation

Title: First IpSO Congress 2004, May 27-29
Place: Verona
Responsibilities: Deputy

Editorial board

Since 2008 member of the editorial board of *Journal of Proteomics (JOP)*, international peer reviewed journal

Masters degree thesis and Directed doctoral thesis

Since 1992 to 2015 several master degree thesis (Industrial Biotechnology, Biology, Human Nutrition Science) and PhD thesis (Bio-Chemistry)