



Curriculum Vitae

Personal information **Silvia Corinti**

Work experience

1. Employer: Istituto Superiore di Sanità _ ISS
 - Start date: 102017
 - End date:
 - Position: Research Scientist (tenure)
 - Activities: At the Unit_Preclinical and Clinical evaluation of medicinal drugs of National Center for Drug Research and Evaluation; Commission expert for the assessment of admissibility to Phase I Clinical Trials (Ministerial Decree of 11/22/2011), pursuant to Presidential Decree no. 439/2001, of Legislative Decree 200/2007, of Law 08.11.2012 n. 189 and Ministerial Decree 27/04/2015,
 - Country: Italy
2. Employer: Istituto Superiore di Sanità _ ISS
 - Start date: 102004
 - End date: 092017
 - Position: Research Scientist (tenure)
 - Activities: At Department of Infectious and Immune Mediated Diseases research activities on i) regulatory mechanisms and tolerance of the allergic response in in vivo (mouse) and in vitro models with particular interest on dendritic cells from murine bone marrow. ii) immunotoxicology of nanomaterials on in vivo and in vitro system
 - Country: Italy

Education and training

1. Subject: Laboratory of Immunology, Allergy Unit, Istituto Superiore di Sanità
 - Start date: 091992
 - End date: 051994
 - Qualification: Training student
 - Organisation: Isolation and characterization of human T cells clones from subjects sensible to different allergens Biochemical and immunological characterization of pollen extracts clinically relevant to the allergological point of view
 - Country: Italy
2. Subject: Laboratory of Immunology, Allergy Unit, Istituto Superiore di Sanità
 - Start date: 051994
 - End date: 061996
 - Qualification: Post_graduate student
 - Organisation: Characterization of human monocyte derived dendritic cells: study of immunological functions and identification of signals capable of modulating DC function and maturation Isolation and characterization of human T cells clones from subjects sensible to different allergens Production and characterization of a monoclonal antibody against the major allergen from pollen of Cupressus arizonica
 - Country: Italy
3. Subject: Laboratory of Immunology Istituto Dermopatico dell'Immacolata, IDI_IRCSS
 - Start date: 061996
 - End date: 072003
 - Qualification: PhD student
 - Organisation: Characterization of human monocyte derived dendritic cells: study of immunological functions and identification of signals capable of modulating DC function and maturation
 - Country: Italy
4. Subject: Istituto Superiore di Sanità _ ISS Laboratory of Immunology, Allergy Unit,
 - Start date: 072002
 - End date: 102004
 - Qualification: PostDoc
 - Organisation: Set up of murine models of allergy (airway and food)
 - Country: Italy

Additional information

Publications

□ Sallusto F, Corinti S, Pini C, Biocca MM, Bruno G, Di Felice G. Parietaria judaica-specific T cell clones from atopic patients: heterogeneity in restriction, V_β usage and cytokine profile. J Allergy Clin Immunol 97:627-37, 1996.
□ Girolomoni G, Corinti S, Fanales_Belasio E. Cutaneous dendritic cells and use of dendritic cells in immunotherapy. Chron Derm 5:635-644,1996. □ Sallusto F, Nicolo' C, De Maria R, Corinti S, Testi R. Ceramide inhibits antigens uptake and presentation by dendritic cells. J Exp Med 184:2411-2416,1996. □ Corinti S., De Palma R, Fontana A, Gagliardi C, Pini C, Sallusto F. Major histocompatibility complex-independent recognition of a distinctive pollen antigen, most likely a carbohydrate, by human CD8+ □□□ Tcells. J Exp Med 186:899-908,1997. □ Pastore S, Corinti S, La Placa M, Didona B, Girolomoni G. Interferon_□ promotes exaggerated cytokine production in keratinocytes cultured from atopic dermatitis patients. J Allergy Clin Immunol 101:538-544, 1998. □ Cavani A, Mei D, Guerra E, Corinti S, Giani M, Pirrotta L, Puddu P, Girolomoni G. Patients with allergic contact dermatitis to nickel and non allergic individuals display diifferent nickel-specific T cell responses. Evidence for the presence of effector CD8+ and regulatory CD4+ T cells. J Invest Dermatol 111:621-628, 1998. □ Barletta B, Tinghino R, Corinti S, Afferni C, Iacovacci P, Mari A, Pini C, Di Felice G. Arizona cypress (Cupressus arizonica) pollen allergens. Identification of cross-reactive periodate-resistant and -sensitive epitopes with monoclonal antibodies. Allergy

53:586_593, 1998. □ Corinti S, Fanales_Belasio E, Albanesi C, Cavani A, Angelisova P, Girolomoni G. Crosslinking of CD43 induces maturation of dendritic cells. *J Immunol* 162:6331_6336, 1999. □ Corinti S, Medaglini D, Cavani A, Rescigno M, Pozzi G, Ricciardi_Castagnoli P, Girolomoni G. Human dendritic cells very efficiently present a heterologous protein antigen expressed on the surface of recombinant Gram_positive bacteria to CD4+ T lymphocytes. *J Immunol* 163:3029_3036, 1999. □ Corinti S, Medaglini D, Prezzi C, Cavani A, Pozzi G, Girolomoni G. Human dendritic cells are superior to B cells at presenting a major histocompatibility complex class II_restricted heterologous antigen expressed on recombinant *Streptococcus gordonii*. *Infect Immun* 68:1879_1883, 2000. □ la Sala A, Corinti S, Federici M, Saragovi HU, Girolomoni G. Ligand activation of nerve growth factor TrkA receptor protects monocytes from apoptosis. *J Leukoc Biol* 68:104_110, 2000. □ Corinti S, la Sala A, Albanesi C, Pastore S, Girolomoni G. Regulatory activity of autocrine interleukin_10 on dendritic cell functions. *J Immunol* 116:4312_4318, 2001. □ la Sala A, Ferrari D, Corinti S, Cavani A, Di Virgilio F, Girolomoni G. ATP induces a distorted maturation of dendritic cells and inhibits their capacity to initiate T_helper 1 responses. *J Immunol* 116:1611_1617, 2001. □ Curti A, Ratta M, Corinti S, Girolomoni G, Ricci F, Tazzari P, Siena M, Grande A, Fogli M, Tura S, Lemoli RM. Interleukin_11 induces Th2 polarization of human CD4+ T cells. *Blood* 97:2758_2763, 2001. □ Corinti S, Chiarantini L, Dominici S, Laguardia ME, Magnani M, Girolomoni G. Erythrocytes efficiently deliver Tat antigen to human dendritic cells for initiation of specific type 1 immune responses in vitro. *J Leukoc Biol* 71:652_658, 2002. □ Idzko M, Panther E, Corinti S, Herouy Y, Mockenhaupt M, Dichmann S, Girolomoni G, Norgauer J. Sphingosine 1_phosphate induces chemotaxis of immature and modulates cytokine_release in mature human dendritic cells for emergence of Th2 immune responses. *FASEB J* 16:625_627, 2002. □ Panther E, Idzko M, Corinti S, Ferrari D, Herouy Y, Mockenhaupt M, Dichmann S, Gebicke_Haerter P, Di Virgilio F, Girolomoni G, Norgauer J. The influence of lysophosphatidic acid on the functions of human dendritic cells. *J Immunol* 169:4129_4135, 2002. □ Panther E, Corinti S, Idzko M, Herouy Y, Napp M, la Sala A, Girolomoni G, Norgauer J. Adenosine affects expression of membrane molecules, cytokine and chemokine release, and the T_cell stimulatory capacity of human dendritic cells. *Blood* 101:3985_3990, 2003. □ Corinti S, Pastore S, Mascia F, Girolomoni G. Regulatory role of nitric oxide on monocyte_derived dendritic cell functions. *J Interferon Cytokine Res* 23:423_431, 2003. □ Orlandi A, Grasso F, Corinti S, Marinaro MR, Bonura A, Boirivant M, Colombo P, Di Felice G. The recombinant allergen of *Parietaria judaica* and its hypoallergenic variant: in vivo evaluation in a murine model of allergic sensitisation. *Clin Exp Allergy* 34:470_477, 2004. □ Butteroni C, Afferni C, Barletta B, Iacovacci P, Corinti S, Brunetto B, Tinghino R, Ariano R, Panzani RC, Pini C, Di Felice G. Cloning and Expression of the *Olea europaea* allergen Ole e 5, the pollen Cu/Zn superoxide dismutase. *Int Arch Allergy Immunol* 137:9_17, 2005. □ Gizzarelli F, Corinti S, Barletta B, Iacovacci P, Brunetto B, Butteroni C, Afferni C, Onori R, Miraglia M, Panzini G, Felice G, Tinghino R. Evaluation of allergenicity of genetically modified soybean protein extract in a murine model of oral allergen_specific sensitization. *Clin Exp Allergy* 36:238_248, 2006. □ Bonura A, Corinti S, Artale A, Di Felice G, Amoroso S, Melis M, Geraci D, Colombo P. A Hybrid Expressing Genetically Engineered Major Allergens of the *Parietaria* Pollen as a Tool for Specific Allergy Vaccination. *Int Arch Allergy Immunol* 142:274_284, 2006. □ Nasta F, Corinti S, Bonura A, Colombo P, Di Felice G, Pioli C. CTLA_4 regulates allergen response by modulating GATA_3 protein level per cell. *Immunology* 121:62_70, 2007. □ Capobianco F, Butteroni C, Barletta B, Corinti S, Afferni C, Tinghino R, Boirivant M, Di Felice G. Oral sensitization with shrimp tropomyosin induces in mice allergen_specific IgE,T cell response and systemic anaphylactic reactions. *Int Immunol*. 20:1077_86. 2008 □ Di Felice G, Barletta B, Butteroni C, Corinti S, Tinghino R, Colombo P, Boirivant M. Use of probiotic bacteria for prevention and therapy of allergic diseases: studies in mouse model of allergic sensitization. *J Clin Gastroenterol* 42:S130_2, 2008. □ Mastrangeli G, Corinti S, Butteroni C, Afferni C, Bonura A, Boirivant M, Colombo P, Di Felice G. Effects of Live and Inactivated VSL#3 Probiotic Preparations in the Modulation of in vitro and in vivo Allergen_Induced Th2 Responses. *Int Arch Allergy Immunol* 150:133_143, 2009. □ Schiavi E, Barletta B, Butteroni C, Corinti S, Boirivant M, Di Felice G. Oral therapeutic administration of a probiotic mixture suppresses established Th2 responses and systemic anaphylaxis in a murine model of food allergy. *Allergy* 66:499_508. 2011 □ Bonura A, Passantino R, Costa MA, Montana G, Melis M, Bondi ML, Butteroni C, Barletta B, Corinti S, Di Felice G, Colombo P. Characterization of a Par j 1/Par j 2 mutant hybrid with reduced allergenicity for immunotherapy of *Parietaria* allergy. *Clin Exp Allergy* 42:471_80, 2012. □ Bonura A, Corinti S, Schiavi E, Giacomazza D, Gianguzza F, Di Felice G, Colombo P. The major allergen of the *Parietaria* pollen contains a LPS binding region with immuno_modulatory activity. *Allergy*, 68(3):297_303, 2013 □ Barletta B, Rossi G, Schiavi E, Butteroni C, Corinti S, Boirivant M, Di Felice G. Probiotic VSL#3_induced TGF_β ameliorates food allergy inflammation in a mouse model of peanut sensitization through the induction of regulatory T cells in the gut mucosa. *Mol Nutr Food Res*. 2013 Aug 14. □ Condello M, Cosentino D, Corinti S, Di Felice G, Multari G, Gallo FR, Arancia G, Meschini S. Voacamine modulates the sensitivity to doxorubicin of resistant osteosarcoma and melanoma cells and does not induce toxicity in normal fibroblasts. *J Nat Prod*. 2014 Apr 25;77(4):855_62 □ Di Felice G, Barletta B, Bonura A, Butteroni C, Corinti S, Colombo P. Nanoparticles Adjuvants in Allergology: New Challenges and Pitfalls. *Curr Pharm Des*. 2015;21(29):4229_39 □ Ludovisi A, Di Felice G, Carballeda_Sangiao N, Barletta B, Butteroni C, Corinti S, Marucci G, González_Muñoz M, Pozio E, Gómez_Morales MA. Allergenic activity of *Pseudoterranova decipiens* (Nematoda: Anisakidae) in BALB/c mice.. *Parasit Vectors*. 2017 Jun 12;10(1):290 □ Bonura A, Di Blasi D, Barletta B, Butteroni C, Corinti S, Gervasi F, Melis MR, Uasuf C, Ragusa MA, Fabio C, Di Felice G, Colombo P. Modulating allergic response by engineering the major *Parietaria* allergens. *J Allergy Clin Immunol*. 2018 Mar;141(3):1142_1144. □ Tassinari R, Di Felice G, Butteroni C, Barletta B, Corinti S, Cubadda F, Aureli F, Raggi A, Narciso L, Tait S, Valeri M, Martinelli A, Di Virgilio A, Pacchierotti F, Cordelli E, Eleuteri P, Villani P, Fessard V, Maranghi F. Hazard identification of pyrogenic synthetic amorphous silica (NM_203) after sub_chronic oral exposure in rat: A multitarget approach. *Food Chem Toxicol*. 2020;137:111168. doi:10.1016/j.fct.2020.111168 □ Zijno A, Cavallo D, Di Felice G, Ponti J, Barletta B, Butteroni C, Corinti S, De Berardis B, Palamides J, Ursini CL, Fresegna AM, Ciervo A, Maiello R, Barone F.I. Use of a common European approach for nanomaterials' testing to support regulation: a case study on titanium and silicon dioxide representative nanomaterials [published online ahead of print, 2020 Jun 30]. *J Appl Toxicol*. 2020;10.1002/jat.4002. doi:10.1002/jat.4002 □ Tassinari R, Cordelli E, Eleuteri P, Villani P, Pacchierotti F, Narciso L, Tait S, Valeri M, Martinelli A, Di Felice G, Butteroni C, Barletta B, Corinti S, Lori G, Maranghi F. Effects of sub_chronic oral exposure to pyrogenic synthetic amorphous silica (NM_203) in male and female Sprague_Dawley rats: focus on reproductive systems. *Reprod Toxicol*. 2021 Oct;105:17_24. doi: 10.1016/j.reprotox.2021.08.001. Epub 2021 Aug 8 □ Andreoli C, Prota V, De Angelis I, Facchini E, Zijno A, Meccia E, Barletta B, Butteroni C, Corinti S, Chatgialoglu C, Krokidis MG, Masi A, Condello M, Meschini S, Di Felice G, Barone F. A harmonized and standardized in vitro approach produces reliable results on silver nanoparticles toxicity in different cell lines. *J Appl Toxicol*. 2021 Dec;41(12):1980_1997. doi: 10.1002/jat.4178. Epub 2021 May 12. PMID: 33982300

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