



## Curriculum Vitae

Personal information **Patrizia Iacovacci**

### Work experience

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1. Employer: Istituto Superiore di Sanità
  - Start date: 012017
  - End date:
  - Position: Research scientist in the National Center for the Control and Evaluation of Medicines
  - Activities: Research activities on biological products. Evaluation of the quality of commercial extracts for diagnosis and immunotherapy of allergic subjects. Participation in Biological Standardization Programme for allergens (BSP090) Teaching activities in the field of allergy and indoor allergens. Involved in the control and the evaluation of biological and biotechnological drugs by document assessment, at National and International level. Involved in the evaluation of quality documentation concerning biological investigational medicinal products in clinical trials (Phase I).
  - Country: Italy
2. Employer: Istituto Superiore di Sanità
  - Start date: 072008
  - End date: 122016
  - Position: Research scientist in the National Center for Immunobiological Research and Evaluation (CRIVIB)
  - Activities: Research activities in Immunology and Allergology. Evaluation of the quality of commercial extracts for diagnosis and immunotherapy of allergic subjects. Indoor allergens: measurement by quantitative tests and evaluation of exposure. Participation in batch release activities for flu vaccine. Participation in Biological Standardization Programme for allergens (BSP090). Participation in national working groups on allergens and indoor pollution. Training and teaching activities in the field of allergy and indoor allergens. Involved in the control and the evaluation of biological and biotechnological drugs by document assessment, at National and International level. Involved in the evaluation of quality documentation concerning biological investigational medicinal products in clinical trials (Phase I).
  - Country: Italy
3. Employer: Istituto Superiore di Sanità
  - Start date: 032002
  - End date: 062008
  - Position: Research scientist in the Department of Infectious, Parasitic and Immunomediated diseases
  - Activities: Research activities in Immunology and Allergology. Indoor allergens: measurement by quantitative tests and evaluation of exposure. Molecular cloning in eukaryotic systems.
  - Country: Italy
4. Employer: Istituto Superiore di Sanità
  - Start date: 011995
  - End date: 022002
  - Position: Research fellow in the Department of Immunology
  - Activities: Research activities in Allergology and Immunology. Production and characterisation of recombinant allergens.
  - Country: Italy

### Education and training

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1. Subject: University Tor Vergata, Rome
  - Start date: 092002
  - End date: 052006
  - Qualification: PhD in Immunology
  - Organisation: Production and characterisation of recombinant allergens
  - Country: Italy
2. Subject: University La Sapienza, Rome
  - Start date: 091990
  - End date: 021997
  - Qualification: Degree in Biological Science
  - Organisation: Thesis and research on allergen characterisation and standardisation
  - Country: Italy

### Additional information

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#### Publications

Relevant publications 1998\_2018: □ R. Tinghino, B. Barletta, S. Palumbo, C. Afferni, P. Iacovacci, A. Mari, G. Di Felice, C. Pini. Molecular characterization of a cross-reactive Juniperus oxycedrus pollen allergen, Jun o 2: A novel calcium binding allergen. J Allergy Clin Immunol, 101:772\_77, 1998. □ B. Barletta, R. Tinghino, S. Corinti, C. Afferni, P. Iacovacci, A. Mari, C. Pini, G. Di Felice. Arizona cypress (Cupressus arizonica) pollen allergens. Identification of cross-reactive periodate-resistant and -sensitive epitopes using monoclonal antibodies. Allergy, 53:586\_93, 1998. □ P. Iacovacci, C. Afferni, B. Barletta, R. Tinghino, G. Di Felice, C. Pini, A. Mari. Juniperus oxycedrus: a new allergenic pollen from the Cupressaceae family. J Allergy Clin Immunol, 101:755\_61, 1998. □ C. Afferni, P. Iacovacci, B. Barletta, G. Di Felice, R. Tinghino, A. Mari, C. Pini. Role of carbohydrate moieties in IgE binding to allergenic components of Cupressus arizonica pollen extract. Clin Exp Allergy, 29:1087\_94, 1999. □ A.

Mari, P. Iacovacci, C. Afferni, B. Barletta, R. Tinghino, G. Di Felice, C. Pini. Specific IgE to crossreactive carbohydrate determinants strongly affect the *in vitro* diagnosis of allergic diseases. *J Allergy Clin Immunol*, 103:1005\_11, 1999. □ L. Businco, P.G. Giampietro, P. Lucenti, F. Lucaroni, C. Pini, G. Di Felice, P. Iacovacci, C. Curadi, M. Orlandi. Allergenicity of mare's milk in children with cow's milk allergy. *J Allergy Clin Immunol*, 105(5):1031\_4, 2000. □ P. Iacovacci, C. Pini, C. Afferni, B. Barletta, R. Tinghino, E. Schininà, R. Federico, A. Mari, G. Di Felice. A monoclonal antibody specific for a carbohydrate epitope recognizes an IgE binding determinant shared by taxonomically unrelated allergenic pollens. *Clin Exp Allergy*, 31:458\_465, 2001. □ C. Alisi, C. Afferni, P. Iacovacci, B. Barletta, R. Tinghino, C. Butteroni, E.M.R. Puggioni, I.B.H. Wilson, R. Federico, M.E. Schininà, R. Ariano, G. Di Felice, C. Pini. Rapid isolation, characterization, and glycan analysis of Cup a 1, the major allergen of Arizona cypress (*Cupressus arizonica*) pollen. *Allergy*, 56 (10): 978\_84, 2001. □ R. Tinghino, A. Twardosz, B. Barletta, E.M.R. Puggioni, P. Iacovacci, C. Butteroni, C. Afferni, A. Mari, B. Hayeck, G. Di Felice, M. Focke, K. Westritschnig, R. Valenta, C. Pini. Molecular, structural, and immunologic relationships between different families of recombinant calcium binding pollen allergens. *J Allergy Clin Immunol*, 109(2): 314\_20, 2002. □ B. Barletta, E.M.R. Puggioni, C. Afferni, C. Butteroni, P. Iacovacci, R. Tinghino, R. Ariano, R.C. Panzani, G. Di Felice, C. Pini. Preparation and characterization of silverfish (*Lepisma saccharina*) extract and identification of allergenic components. *Int Arch Allergy Immunol*, 128 (3): 179\_86, 2002. □ P. Iacovacci, C. Afferni, C. Butteroni, L. Pironi, E.M.R. Puggioni, A. Orlandi, B. Barletta, R. Tinghino, R. Ariano, R.C. Panzani, G. Di Felice, C. Pini. Comparison between the native glycosylated and the recombinant Cup a1 allergen: role of carbohydrates in the histamine release from basophils. *Clin Exp Allergy*, 32: 1620\_1627, 2002. □ A. Canini, J. Giovinazzi, P. Iacovacci, C. Pini, M. Grilli Caiola. Localisation of a carbohydrate epitope recognised by human IgE in pollen of Cupressaceae. *J Plant Res*, 117(2): 147\_53, 2004 Apr. □ G. Rea, P. Iacovacci, P. Ferrante, M. Zelli, B. Brunetto, D. Lamba, A. Boffi, C. Pini, R. Federico. Refolding of the *Cupressus arizonica* major pollen allergen Cup a1.02 overexpressed in *Escherichia coli*. *Protein Expr Purif*, 37(2): 419\_25, 2004 Oct. □ C. Butteroni, C. Afferni, B. Barletta, P. Iacovacci, S. Corinti, B. Brunetto, R. Tinghino, R. Ariano, R.C. Panzani, C. Pini, G. Di Felice. Cloning and Expression of the *Olea europaea* allergen Ole e 5, the pollen Cu/Zn superoxide dismutase. *Int Arch Allergy Immunol*, 137(1):9\_17, 2005 May. □ B. Barletta, C. Butteroni, E.M.R. Puggioni, P. Iacovacci, C. Afferni, R. Tinghino, R. Ariano, R.C. Panzani, C. Pini, G. Di Felice. Immunological characterization of a recombinant tropomyosin from a new indoor source, *Lepisma saccharina*. *Clin Exp Allergy*, 35(4): 483\_9, 2005 Apr. □ 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(2): 238\_48, 2006 Feb. □ Brescianini S, Brunetto B, Iacovacci P, D'Ippolito C, Alberti C, Schirru MA, Stazi MA, Pini C, Di Felice G, Barletta B. Prevalence of self perceived allergic diseases and risk factors in Italian adolescents. *Pediatric Allergy and Immunology* 2009 Sep;20(6):578\_84. Epub 2008 Aug 15. □ Brunetto B, Tinghino R, Braschi MR, Antonicelli L, Pini C, Iacovacci P. Characterization and comparison of commercially available mite extracts for *in vivo* diagnosis. *Allergy*. 2010 Feb;65(2):184\_90. Epub 2009 Oct 1. □ B. Brunetto, S. Brescianini, B. Barletta, C. Butteroni, D. Rotondi, R. Masciulli, L. Malaguti Aliberti, C. Pini, G. Di Felice, P. Iacovacci. Exposure to indoor allergens and association with allergy symptoms of employees in a work environment. *Ann Ist Super Sanita*. 2009;45(4):415\_22. □ B. Brunetto, B. Barletta, S. Brescianini, R. Masciulli, L. Perfetti, G. Moscato, L. Frusteri, M. A. Schirru, C. Pini, G. Di Felice, P. Iacovacci. Differences in the presence of allergens among several types of indoor environments. *Ann Ist Super Sanita*. 2009;45(4):409\_14. □ F. Braido, M. Comaschi, I. Valle, L. Delgado, A. Coccini, P. Guerrerias, E. Stagi, GW Canonica; ARGA Study Group. Iacovacci P et al; EAACI/CME Committee. Knowledge and health care resource allocation: CME/CPD course guidelines based efficacy. *Eur Ann Allergy Clin Immunol*. 2012 Oct;44 (5):193\_9. □ S. Maio, S. Baldacci, M. Simoni, A. Angino, F. Martini, S. Cerrai, G. Sarno, A. Pala, M. Bresciani, P. Paggiaro, G. Viegi; ARGA Study Group. Iacovacci P et al. Impact of asthma and comorbid allergic rhinitis on quality of life and control in patients of Italian general practitioners. *J Asthma*. 2012 Oct;49(8):854\_61. □ Baldacci S, Maio S, Simoni M, Cerrai S, Sarno G, Silvi P, Di Pede F, Borbotti M, Pala AP, Bresciani M, Viegi G; ARGA study group. Iacovacci P et al. The ARGA study with general practitioners: impact of medical education on asthma/rhinitis management. *Respir Med*. 2012 Jun;106(6):777\_85. □ Kaul S, Zimmer J, Dehus O, Costanzo A, Daas A, Buchheit KH, Asturias J, Arilla MC, Barber D, Bertocchi A, Brunetto B, Carnes JA, Chapman M, Chaudemanche G, Dayan\_Kenigsberg J, Döring S, Führer F, Gallego MT, Iacovacci P, Hanschmann KM, Holzhauser T, Hrabina M, Ledesma A, Moingeon P, Nony E, Pini C, Plunkett G, Raulf M, Reese G, Sandberg E, Sander I, Smith B, Strecker D, Valerio C, van Ree R, Weber B, Vieths S. Validation of ELISA methods for quantification of the major birch allergen Bet v1 (BSP090). *Pharmeur Bio Sci Notes*. 2017: 69\_87. □ Maio S, Baldacci S, Bresciani M, Simoni M, Latorre M, Murgia N, Spinozzi F, Braschi M, Antonicelli L, Brunetto B, Iacovacci P, Roazzi P, Pini C, Pata M, La Grasta L, Paggiaro P, Viegi G; AGAVE group. RiTA: The Italian severe/uncontrolled asthma registry. *Allergy*. 2018 Mar;73(3):683\_695. □ Baldacci S, Simoni M, Maio S, Angino A, Martini F, Sarno G, Cerrai S, Silvi P, Pala AP, Bresciani M, Paggiaro P, Viegi G; ARGA Collaborative Group. Iacovacci P et al. Prescriptive adherence to GINA guidelines and asthma control: An Italian cross sectional study in general practice. *Respir Med*. 2019 Jan;146:10\_17. Zimmer J, Schmidt S, Kaul S, Costanzo A, Buchheit KH, Brown S, Carnés J, Chapman M, Chen A, De Neergaard M, Döring S, Hindley JP, Holzhauser T, Jorajuria S, Le Tallec D, Lombardero M, Iacovacci P, Reese G, Sander I, Smith B, Strecker D, van Ree R, Zebina M, Vieths S. Standardisation of allergen products: 4. Validation of a candidate European Pharmacopoeia standard method for quantification of major grass pollen allergen Phl p 5. *Allergy*. 2021 Jul 9.

## Projects

Participation to National and European research projects on safety and quality of allergenic products employed for diagnosis and immunotherapy of allergic diseases and on allergenic product standardisation.

## Memberships

## Other Relevant Information