

ANNA VILLA

CURRICULUM VITAE

Anna Villa	Director of the Institute of Genetics and Biomedicine (IRGB) – National Research Council Head of Unit of Telethon Institute for Gene Therapy (San Raffaele-Milano)
Current address:	

Educational/Training

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
University of Milan, Milan, Italy	M.D	1986	Medicine Genetics
University of Milan, Milan, Italy	PhD	1990	Oncology
National Research Council Institute of Biotechnology (ITB) Segrate (Milan)- Italy	Post doc.	1991	Molecular Biology CNR, Milan, Italy
National Research Council Institute of Biotechnology (ITB) Segrate (Milan)- Italy	Researcher	1998	Molecular Biology

A. POSITION AND HONORS

Positions and Employment

1993-1998	Senior Investigator, Institute of Biomedical Technology, Segrate (Milan) Italy
1999-2001	Researcher at Consiglio Nazionale delle Ricerche, Institute of Biomedical Technology, Segrate (Milan) Italy
1998-2002	Professor of Biotechnology, University of Milan, Pharmacology Faculty.
2002—2006	Associate Professor, CNR, Institute of Biomedical Technology, Segrate (Milan)

	Italy
2006- 2011	Director of Research at CNR Institute of Biomedical Technology, Segrate (Milan)
	Italy
2011-present	Director of Research at CNR, IRGB, Milan Unit
2006-present	Head of Unit of “Omenn and Wiskott Aldrich group” at Telethon Institute for Gene Therapy, San Raffaele, Milan, Italy
2008-present	Head of Human Genome Unit, Istituto Clinico Humanitas, Milan Italy
July 2019-	
Sept2020	Director of the Institute of Genetics and Biomedicine (IRGB) -CNR

Other experiences and Professional Memberships

Academic and International Activities

1999-present	Reviewer for Primary Immunodeficiency Association (PiA) and Association Francaise contre les Myopathies (AFM)
2000-present	Responsible for data bank of Rag Defects and Osteopetrosis : http://www.uta.fi/bioinfo
2000-2006	Head of the Genetic Working Party- European Society for Immunodeficiencies
2008-present	Coordinator of the Retrospective Study on Osteopetrosis – Inborn Error Group (EBMT)
2010-2014	Secretary of the European Society of Immunodeficiency (ESID)

International Journal Reviewer:

Journal of Allergy and Clinical Immunology
 Journal of Clinical Immunology
 Journal of Leukocyte Biology
 Blood
 Bone and Osteoporosis Inter.
 Journal of Bone and Mineral Research
 Molecular Therapy
 Expert Opinion on Orphan Drug
 Frontiers in Immunology

International Journal Board Member

Journal of Allergy and Clinical Immunology, Journal of Clinical Immunology, Frontiers in Immunology

Grant Reviewer:

Action Medical Research for Children (UK)
 Agence Nationale delle Recherche (ANR_AFM) (France)
 Fondation pour le Recherche Medicale Equipe FRM (France)
 Centre Hospitalier Regionael Universitarie Montpellier (France)
 Primary Immunodeficiency Association (PiA) and Association Francaise contre les Myopathies (AFM)
 External Panel Reviewer, ERC Starting Grants
 Member of the Panel Board of Advanced ERC Grants

Patent:

Genetic markers for bone mass. The University Court of the University Aberdeen (Scotland)
Patent N. 03737357.8-2402-GB0300470
Date of filing: 04.02.03

Honors

2005 Winner, 2005 “Descartes Prize for Research”
2008 Member of Kunkel Society of Immunology

Meeting Organizer Committee

2012 2nd International Workshop of Translational Medicine, Istituto Clinico Humanitas, Rozzano (Milan)
2012 ESID Biennial Meeting – Florence
2017 4th Meeting of Translational Immunology of pathogenesis ad therapy of immunemediated diseases, Palermo
2019 5th Meeting of Translational Immunology of pathogenesis ad therapy of immunemediated diseases, Milano

Invited Presentations to peer-reviewed internationally established conferences

26 May 2002 Invited speaker at the 29th European Symposium on Calcified Tissue (ECTS), Zagreb
10 May 2004 Invited speaker at ESID Spring Meeting, Prague
May 2004 Invited speaker at XI Biennial Meeting of the European Society of Immunodeficiency, Versailles
6 October 2006 Invited speaker at IPOPI, XII Biennial Meeting of the European Society of Immunodeficiency, Budapest

June 2007 Invited speaker at International Union of Immunological Societies (IUIS), Jackson Hole Wyoming, USA
May 2008 Invited speaker at Second Course of Dysphormology, Bertinoro
June 2008 Invited speaker at Kunkel Society Meeting- Santa Margherita
25 June 2009 Invited speaker at 5th International Conference on Children's Bone Health
11 February 2010 Invited speaker at USGEB, Palazzo dei Congressi, Lugano, Switzerland
5 October 2011 Invited speaker Ospedale Bambin Gesù', Rome (Host: Prof. Paolo Rossi)
23 November 2011 Invited speaker at 6th European Workshop on Immune Mediated Inflammatory Diseases, Nice
23 January 2012 Invited speaker at University of NewCastle, Department of Immunology NewCastle (UK). Seminar (Host: Prof. A. Cant)
8-10 March 2012 Invited speaker 2nd African Society of Immunodeficiency (ASID), Hammamet, Tunisia
3-6 October 2012 Invited speaker at 15th ESID Biennial Meeting, Florence
5 September 2012 Invited Chairperson at European Congress of Immunology (ECI), Glasgow
8 April 2013 Invited speaker at 39th Annual Meeting of European Group for Blood and Bone Marrow Transplantation(EBMT), London
June 2013 Invited speaker at AIEOP, Rome
6 February 2014 Invited speaker at The 100 J Project Meeting, Antalya
October 2014 Invited speaker at XVI Biennial Meeting of the European Society of Immunodeficiency, Prague.

12-14 June 2014	Invited speaker "Wiskott-Aldrich Syndrome from the B cell point of view". Frontiers in Immunology, From Molecules to Diseases. Stockholm
June 2015	Invited speaker at International Conference on Children and Bone's Health, ICCBH, Salzburg
9 October 2015	Invited speaker at "Intestinal Microbiota in Omenn Syndrome". Ospedale Bambin Gesù
10 October 2015	Invited speaker Conference on Autoimmunity in Severe Combined Immunodeficiency" Ospedale Pediatrico Bambin Gesù Rome
13 November 2015	Invited speaker at XV Congresso S.I.O.M.M.S. Bologna
6 November 2016	Invited speaker at FPID, Newport Beach, DC
15 June 2016	Invited speaker at Forum in Bone and Mineral Research, Torino
1 December 2017	Invited speaker at BSRT Meeting, Berlin
18 October 2017	Invited speaker at the Annual Meeting of the Scandinavian Society for Immunology
28 March 2017	Invited speaker at the 4 th Conference of Translational Medicine on pathogenesis and therapy of immune mediated diseases
9 June 2017	Invited speaker at II Update in Immunologia
26 Maggio 2017	Invited speaker at Ricerca traslazionale come ausilio per il management del paziente con Immunodeficienze Primitive
1 May 2018	Invited speaker at Brown Bag Seminar, NIH USA
25 May 2018	Invited speaker ECTS, Valencia
18 January 2019	Invited speaker 2 Journee Recherche FAI 2 ^R /CRI IMMEDIATE, Paris
22 March 2019	Invited speaker at Kunkel Society, New York

Grants:

1995-1998	Project E.0945 Telethon Grant entitled 'Identification of the gene responsible for T-B- severe combined immunodeficiency'. Principle Investigator- 1995-1998
1999-2001	Telethon Grant "SCID due to defects in VDJ recombination : human studies and animal models E0917. 2002-2005 Scientific Responsible for AFM (Association Francaise contre le Myopathie) e Comitato Telethon "Terapia Genica delle Immunodeficienze combinate gravi
2002-2006	Ministry of Education and Research-FIRB Italian Grant: "Deciphering cell identity and cell differentiation mechanisms in the post-genome era by using three paradigmatic systems: breast, bone and lymphocytes.
2006-2010	Scientific Responsible for Telethon Project A04 " Basic Biology of Omenn syndrome"
2006-2010	Scientific Responsible for Telethon Project A02 " Gene Therapy of Wiskott Aldrich syndrome"
2007-2010	Scientific responsible for Nobel CARIPLO "Genetics and functional genomics of myelomonocytic cells"
2009-2012	Scientific responsible for Fondazione CARIPLO Project " Cellular and molecular mechanisms of autoimmune manifestations in primary immunodeficiency due to partial defects in V(D)J recombination"

2010-2015	EC FP7 2010 call- CELL-PID: Translational research on cell based immunotherapy.
2010-2012	Responsible Research Project "Novel Approaches exploiting gene targeting and cell reprogramming in stem cells based regenerative medicine". PRIN 2009 (2008SR75557)
2011-2016	Scientific responsible of Telethon Core grant "Autoimmunity in Primary Immunodeficiencies". TIGETA3 Telethon A3: Dissection of cellular and molecular mechanisms underlying autoimmunity in Omenn syndrome. Euro 512.600 TIGET A2 Telethon A2: Cellular and molecular basis of autoimmunity of Wiskott Aldrich syndrome. Euro 533.700
2011-2013	Induced pluripotent stem cells (iPSC) in the treatment of TCIRG1-dependent osteopetrosis: a step by step reproduction of the entire therapeutic process in the mouse. Minister of Health RF-2009-1499542
2012-2015	Molecular and cellular bases of intestinal mucosal pathology in Omenn Syndrome. Fondazione CARIPLO 2012-0519. Euro 240.000
2013-2017	EC FP72012 call-SYBIL: "System biology for the functional validation for genetic determinants of skeletal diseases" Grant . 602300. Euro 496.800
2016-2020	Horizon 2020GRANT AGREEMENT NO: 666908: "Developing genetic Medicines for Severe Combined Immunodeficiency (SCIDNET)" Euro 473.000
2017-2020	PRIN 2015_ Ministry of Education and Research "New experimental therapies for genetic skeletal diseases". Euro 83.506
2018-2022	Recomb "Stem-cell based gene therapy for recombination deficient SCID (RECOMB)". Euro 532.500/ Participant
2019-2021	PRIN 2017 Ministero della Educazione e Ricerca "Advanced genetic engineering to study and treat monogenic"

Dr Villa has published more than 200 papers in International scientific journals for a total citation of 8558 and Scopus "h" index of 53. ORCID: <http://orcid.org/0000-0003-4428-9013>