

PERSONAL INFORMATION

PALMA PAOLO



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Sex M | Date of birth 09/01/1976 | Nationality Italian

WORK EXPERIENCE

- 2000-2001 **Visiting Fellow in the Clinical Infectious Disease**
Unit at Great Ormond Street Hospital for Children, London, United Kingdom
- 2002-2007 **Resident**
Department of Pediatrics, University of Tor Vergata, Rome, Italy
- 2005-2006 **MD at Benghazi Infectious Disease and Immunology center**
- 2006-2007 **Neonatologist at Neonatal Intensive Care**
Unit Fatebenefratelli Hospital, Rome, Italy
- 2008-2011 **PhD student in Immunology and applied biotechnologies and visiting scientist**
Department of Immunology, Karolinska Institute, Stockholm, Sweden, within the “Europrise Fp6 EU Programme”
- 2008-2011 **Clinical fellow at Pediatric and Infectious Diseases unit**
Children's Hospital Bambino Gesù
- 2011-till now **Pediatrician, Immunology**
University Hospital of Pediatrics at Children' Hospital Bambino Gesù

EDUCATION AND TRAINING

- 1990 - 1995 **High school graduation at Classical High School**
Liceo Classico Statale “Gaetano De Sanctis”
- 1995 - 2001 **Degree with honors**
School of Medicine, University of Rome “Tor Vergata”
- 2002 - 2007 **Residency degree with honors**
University of Rome “Tor Vergata”
- 13/05/2011 **Immunology and Applied Biotechnologies**
University of Rome “Tor Vergata”/ Karolinska Institute

ADDITIONAL INFORMATION

- 2005 **Winner of the EMBO fellowship**
Project Title: “Molecular mechanisms of primary HIV immune response and prime boost strategies to induce long term memory”.
Swedish Institute for Infectious Disease Control - Karolinska Institute
- 2010 to now **Teacher of the pediatric residency program**
University of Rome “Tor Vergata”

- 2010 to date **Teacher of the PhD program in Immunology and Biotechnology**
University of Rome "Tor Vergata"
- 2011 to date **Teacher of the Master of Medical Sciences in Immunology**
University of Rome "Tor Vergata"
- 2012 to date **Clinical Activity**
Clinical activity as Pediatrician Immunologist
Children Hospital "Bambino Gesù"
- From March 2009 to date 2012:
Winner of grant: **EVAPID Enhance Vaccines Protection in pediatric Patients with Immune Deficiencies**
- 2013:
Winner of Grant: **Studio dell'induzione e mantenimento di risposte protettive nei pazienti con immunodeficienza acquisita e primitiva.**
- 2014:
Winner of Young Researchers Grant from the Ministry of Health: **Non-coding RNA-mediated control of human regulatory T cell development, function, and stability in health and disease".**

MAJOR PUBLICATIONS

- "Short-term risk of disease progression in HIV-1-infected children receiving no antiretroviral therapy or zidovudine monotherapy: a meta-analysis." HIV Pediatrics Prognostic Markers Collaborative Study Group. *Lancet*. 2003 Nov 15; 362(9396): 1605-11.
- "Successful Allogeneic Hemopoietic Stem Cell Transplantation in a Child Who Had Anhidrotic Ectodermal Dysplasia With Immunodeficiency"- S. Dupuis-Girod, C. Cancrini, F. Le Deist, P. Palma, et al. *Pediatrics* Jun 12, 2006 199-205.
- "Switching from protease inhibitor-based-HAART to a protease inhibitor-sparing regimen is associated with improved specific HIV immune responses in HIV-infected children"- S. Pensiero, ML. Romiti, P. Palma, et al. *AIDS*. 2006 Sep 11; 20 (14): 1893-6.
- "Successful simplification of protease inhibitor-based HAART with triple nucleoside regimens in HIV-1 vertically infected children"- P. Palma, et al. *AIDS* December 2007, 21:2465-2472.
- "Delayed early antiretroviral treatment is associated with an HIV-specific long-term cellular response in HIV-1 vertically infected infants"- P. Palma, et al. *Vaccine* September 2008, 26 (40): 5196-201.
- "Maternal immune status influences HIV-specific immune responses in pups after DNA prime protein boost using mucosal adjuvant"- A. Brave, K. Johansen, P. Palma, et al. *Vaccine* November 2008, 26 (47): 5957-66.
- "Timing of HAART defines the integrity of memory B cells and the longevity of humoral responses in HIV-1 vertically-infected children"- P. Palma, S. Pensiero, A. Cagigi, et al. *Proc Natl Acad Sci U S A*. 2009 May 12; 106(19): 7939-44.
- "The impact of active HIV-1 replication on the physiological age-related decline of immature transitional B-cells in HIV-1 infected children". Palma P. et al. *AIDS* 2010, 24:2075-2080.
- "Rational design of HIV vaccine and microbicides: report of the EUROPRISE annual conference"-B. Wahren, P. Biswas, M. Borggren, A. Coleman, K. Da Costa, P. Palma, et al. *Journal of Translational Medicine* 2010, 8:72.
- "Immunogenicity and safety profile of the monovalent A/H1N1 MF59-adjuvanted vaccine in patients affected by cystic fibrosis"- F. Alghisi, P. Palma, et al. *Thorax*. 2011 Mar; 66(3): 259-60.
- "Rational design of HIV vaccines and microbicides: report of the EUROPRISE network annual conference 2010"- S. Brinckmann, K. Da Costa, MJ. Van Gils, D. Hallengård, K. Klein, L. Madeira, L. Mainetti, P. Palma, et al. *J. Transl Med*. 2011 Apr 12; 9:40.
- "First-line antiretroviral therapy with a protease inhibitor versus non-nucleoside reverse transcriptase inhibitor and switch at higher versus low viral load in HIV-infected children: an open-label, randomised phase 2/3 trial"- PENPACT-1 (PENTA 9/PACTG 390) Study Team, *Lancet Infect Dis*. 2011 Apr; 11(4): 273-83.
- "The PEDVAC trial: Preliminary data from the first therapeutic DNA vaccination in HIV-infected children"- P. Palma, et al. *Vaccine* 2011. Sep 9; (39): 6810-6
- "Early-onset monocyte-B-natural killer-dendritic cells' deficiency successfully treated with hematopoietic stem cell transplantation"- C. Cancrini, A. Scarselli, S. Scaramuzza, M. Chiriaco, S. Di Cesare, G. Di Matteo, ML. Romiti, P. Palma, et al. *J Allergy Clin Immunol*. 2011 Oct; 128(4): 897-900.

- "Safety and immunogenicity of a monovalent MF 59(®)-adjuvanted A/H1N1 vaccine in HIV-infected children and young adults"- P. Palma, et al. *Biologicals*. 2012 Mar; 40(2): 134-9.
- Suboptimal Immune Reconstitution in Vertically HIV Infected Children: A View on How HIV Replication and Timing of HAART Initiation Can Impact on T and B-cell Compartment"- N. Cotugno, I. Douagi, P. Rossi, P. Palma - *Clin Dev Immunol*. 2012; 2012: 805151.
- "Role of HLA-B α -3 domain amino acid position 194 in HIV disease progression"- A. Grifoni, C. Montesano, P. Palma, et al *Mol Immunol*. 2012 Oct 23; 53(4): 410-413
- "Immune reconstitution and vaccination outcome in HIV-1 infected children: Present knowledge and future directions"- A. Cagigi, N. Cotugno, C. Giaquinto, L. Nicolosi, S. Bernardi, P. Rossi, I. Douagi, P. Palma - *Hum Vaccin Immunother*. 2012 Aug 21; 8(12).
- "Therapeutic DNA vaccination in HIV-infected children and adolescents: 96 weeks data from the PEDVAC Trial"- P. Palma, P. Rossi - *JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES* Volume: 62 Supplement: 1 Pages: 38-38
- "Premature aging of the immune system relates with increased anti-lymphocyte antibodies (ALA) after an immunization in HIV-1 infected and kidney transplanted patients"- A. Cagigi, S. Rinaldi, V. Santilli, N. Mora, E.C. Manno, N. Cotugno, P. Zangari, A. Aquilani, I. Guzzo, L.D. Strologo, P. Rossi, P. Palma - *Clin Exp Immunol*. 2013 Nov; 172(2): 274-280.
- "A systematic analysis of recombination activity and genotype-phenotype correlation in human RAG1-deficiency"- Yu Nee Lee, Ph.D.; F. Frugoni; K. Dobbs; J.E. Walter; S. Gilliani; A. Gennery; W. Al-Herz; E. Haddad; J.H. Bleesing; L. Henderson; Sung-Yun Pai; R.P. Nelson; D.H. El-Ghoneimy; R.A El-Feky; P. Soler-Palacin; R.L. Fuleihan; N.C. Patel; H.C. Su; J.M. Puck; P. Palma; C. Cancrini; K. Chen; M. Vihinen; F.W. Alt; L.D. Notarangelo. *J. Allergy Clin Immunol*. 2013 Nov 28. pii: S0091-6749(13)01558-3.
- "Premature immune-senescence during HIV-1 vertical infection relates with response to influenza vaccination"- A. Cagigi, S. Rinaldi, A. Di Martino, E.C. Manno, P. Zangari, A. Aquilani, N. Cotugno, L. Nicolosi, A. Villani, S. Bernardi, I. Donatelli, S. Pahwa, P. Rossi, P. Palma. *J. Allergy Clin Immunol. J Allergy Clin Immunol*. 2014 Feb; 133(2): 592-4.
- "Therapeutic DNA vaccination of vertically HIV-infected children: report of the first pediatric randomised trial (PEDVAC)"- P. Palma, et al *PLoSone* Nov 28; 8(11): e79957.
- "Etiology, clinical outcome and laboratory features in children with neutropenia: analysis of 104 cases"- G. Angelino, P. D'Argenio, P. Palma, et al *Pediatr Allergy Immunol*. 2014 May; 25(3): 283-9
- "Early highly-active antiretroviral therapy (HAART) enhances B-cell longevity: a 5 year follow-up"-A. Cagigi, S. Rinaldi, N. Cotugno, E.C. Manno, V. Santilli, N. Mora, P. Zangari, A. Aquilani, H. Tchidjou Kuekou, C. Giaquinto, S. Bernardi, P. Rossi, P. Palma. *J Pediatr Infect Dis J*. 2014 May; 33(5):e126-31
- "Antibody but not memory B-cell responses are tuned-down in vertically HIV-1 infected children and young individuals being vaccinated yearly against influenza"- S. Rinaldi, P. Zangari, N. Cotugno, E.C. Manno, N. Brolatti, M.R. Castrucci, I. Donatelli, P. Rossi, A. Cagigi, P. Palma. *Vaccine*. 2014 Feb 3; 32(6): 657-63.
- "Premature B-cell senescence as a consequence of chronic immune activation: Implications for vaccination of immune compromised individuals"- P. Palma, et al; *Hum Vaccin Immunother*. 2014 Apr 23; 10(7)
- "B-Sides Serologic Markers of Immunogenicity in Kidney Transplanted Patients: Report From 2012-2013 Flu Vaccination Experience".- S. Rinaldi, A. Cagigi, V. Santilli, F. Zotta, A. Di Martino, M.R. Castrucci, I. Donatelli, E. Poggi, A. Piazza, A. Campana, I. Guzzo, A. Villani, P. Rossi, L. Dello Strologo, P. Palma. *Transplantation*. 2014 Jun 6.
- "Role of individual's T-cell immunome in controlling HIV-1 progression"- A. Grifoni, C. Montesano, P. Palma, et al. *Immunology*. 2014 Jun 21
- Defective B-cell proliferation and maintenance of long-term memory in chronic granulomatous disease"- N. Cotugno; A. Finocchi, A. Cagigi; G. Di Matteo; M. Chiriaco; S. Di Cesare; P. Rossi; A. Aiuti, P. Palma. *J. Allergy Clin Immunol*. 2014 Aug 29. pii: S0091-6749(14)00967.