

CURRICULUM VITAE

Personal details

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Place/date of birth: Milan/5 September 1971.

Languages: Italian (mother tongue); English (very good); Spanish (fair)

Current position

- Director of Pediatric Highly Intensive Care Unit of Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy (since November 30, 2010).
- Associate Professor in Pediatrics (scientific/disciplinary sector MED/38: General and specialised pediatrics) at the Faculty of Medicine and Surgery of the University of Milan, Italy (since October 1, 2005).
- Eligibility as Full Professor in Pediatrics (since February 5, 2014).

Degree in Medicine and Surgery

27 July 1995, University of Milan (110/110 *cum laude*).

Post-graduate degrees

Pediatrics (1999), Post-graduate School of Pediatrics, University of Milan.

Infectious Diseases (2006), Post-graduate School of Infectious Diseases, University of Milan.

Post-graduate awards

- The "Carlo Imperato" prize, awarded by the President of the Italian Society of Pediatrics at its 58th National Congress (Montecatini, 28 September-2 October 2002) for the best experimental work on childhood respiratory diseases.
- Young Investigator Award, given by the Chairman of the III World Congress of Pediatric Infectious Diseases (Santiago, Chile, 19-23 November 2002) for a paper entitled "Minimum protective serum concentrations of pneumococcal anti-capsular antibodies against pneumonia".
- George McCracken Fellowship, received at the 43rd Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) (Chicago, Illinois, 14-17 September 2003).
- Young Scientist Grant, awarded by the Chairman of the Options for the Control of Influenza V (Okinawa, Japan, 7-11 October 2003).
- Amici di Milano Prize – Gold Medals, with the Targa d'Argento of the President of the Italian Republic and the Targa d'Argento of the President of the Lombardy Region, awarded by the Mayor of Milan on 24 March 2004 for medical research.
- Italian Society of Pediatrics (SIP) Members' Prize 2008 for the best pediatrics researcher, awarded at the 64th Congress (Genoa, 15 October 2008).
- Award for international affairs (Milan Ambassador Programme) from Milan city on 20 May 2011.

Teaching

Participation in the teaching of General and Specialist Paediatrics for the University of Milan's Faculty of Medicine and Surgery:

- since academic year 1999-2000, I have collaborated in practical exercises, guided students in the preparation and discussion of their graduate theses, and participated as co-supervisor in the awarding of degrees;
- since academic year 2000-2001, in addition to the above, I have given lessons and been involved in tutorials (exercises, seminars, case discussions), and been a member of Examination Boards;
- since academic year 2002-2003, I have performed all the above activities as Permanent Researcher in Paediatrics;
- since academic year 2003-2004, I have been in charge for teaching "Antibiotic therapy in Paediatrics";
- since academic year 2004-2005, I have performed all the above activities as Associate Professor of Paediatrics;
- since academic year 2006-2007, I have been in charge for teaching "Emergency in Paediatrics";
- from academic year 2007-2008 to 2010-2011, I have been in charge for teaching Pediatrics at the Faculty of Medicine and Surgery, University of Milan (Polo Centrale, linea H);
- since academic year 2012-2012, I have been in charge for teaching Pediatrics at the Faculty of Medicine and Surgery, University of Milan (Polo Humanitas);

Teaching activities in the Post-graduate School of Paediatrics I of the University of Milan's Faculty of Medicine and Surgery:

- academic year 2000-2001: tutorial activities;
- academic year 2001-2002: contract Professor;
- academic years 2002-2003 and 2003-2004: as Permanent Researcher in Paediatrics I have been involved in lessons, tutorials (exercises, seminars, case discussions), and been a member of Examination Boards;
- since academic year 2004-2005, I have performed all the above activities as Associate Professor of Paediatrics and I am in charge for teaching "Paediatric Infectious Diseases".

Other teaching activities:

- since academic year 2003-2004: in charge for teaching General and Specialist Paediatrics for the University of Milan's Faculty of Orthoptic;
- since academic year 2011-2012: in charge of the Post-graduate School in Emergency and Urgency in Pediatric Age for the University of Milan's Faculty of Medicine and Surgery;
- since academic year 2006-2007: participation in the teaching at Master in Pediatric Infectious Diseases, University of Oxford, UK;
- March 2007: invited professor at the Pediatric Infectious Diseases Division of the Southwestern Medical Center, University Hospital and Clinic, a Dallas, TX, USA;
- February 2008: invited professor at the University Hospital in Geneva (Geneva, Switzerland);
- February 2009 and February 2012: invited professor at the Pediatric Infectious Diseases Division of St George's Hospital, London, UK;
- August 2014: Committee for the nomination of Researchers in Pediatrics, University of Geneva, Switzerland.

Healthcare activities

- November 1995 – October 1999: Post-graduate specialisation at Paediatric Department IV of the University of Milan, Milan, Italy;
- Novembre 1999 – March 2000: University medical intern at Paediatric Department IV of the University of Milan, Milan, Italy;
- March 2000 – November 2000: Alternate Level I Medical Manager at Paediatric Department IV of *Ospedale L. Sacco*, Milan, Italy;
- November 2000 – December 2000: Nominated Level I Medical Manager at Paediatric Department IV of *Ospedale L. Sacco*, Milan, Italy;
- December 2000 – July 2001: Nominated Level I Medical Manager at Paediatric Clinic I of the *Istituti Clinici di Perfezionamento*, Milan, Italy;
- August 2001 – December 2002: Permanent Level I Medical Manager at Paediatric Clinic I of the *Istituti Clinici di Perfezionamento*, Milan, Italy;
- December 2002 – January 2005: Permanent Researcher in Paediatrics at the Institute of Paediatrics of the *University of Milan*, Milan with activity of Medical Manager and Consultant of Infectious Diseases at Paediatric Clinic I of the *Istituti Clinici di Perfezionamento*, Milan, Italy;
- Since February 2005: Chief of the Pediatric HIV Clinic of Regione Lombardia at Paediatric Clinic I of the Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy.
- Since May 2005: Chief of the outpatient clinic for travel medicine at Paediatric Clinic I of the Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy.
- Since October 2005: Associate Professor in Paediatrics at the Pediatric Clinic I of the of the Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy.
- July 2006-November 2010: Vice-Director at Paediatric Clinic I of the Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy.
- Since December 2007: Head of the Pediatric Infectious Diseases Operating Unit of the Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy.
- Since December 2010: Director at Paediatric Department I of the Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy.
- Since January 2011: Chief of the Lyme disease Center of Regione Lombardia at Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy.
- Since February 2012: Coordinator of the Epidermolysis Bullosa Center at Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy.

Activities in international bodies

- Paediatric representative in “Share – The IAS educational program on HIV clinical care” (1999-2002).
- Member of the Board of the European Society of Paediatric Infectious Diseases (ESPID) (2004-2007).
- Member of the Committee for Training of the European Society of Paediatric Infectious Diseases (ESPID) (2007-2013).
- Member of the ESCMID Sore throat Guidelines group (2007-2011).
- Member of the ECDC Working Group on Pneumococcal Vaccination (since 2009).
- President of the Committee of the World Health Organization for eradication of measles and rubella (since 2012).
- Chair of ESCMID Vaccine Study Group (EVASG) (since 2013).
- President of the World Association for Infectious Diseases and Immunological Disorders (WAidid) (since 2014).

Activities in national bodies

- Member of the Steering Committee of the Italian Society of Paediatric Infectious Diseases (2002-2005).
- Member of the Steering Committee of the Italian Society of Paediatrics – Section of Lombardy Region (2003-2006).
- Member of the Steering Committee on Vaccines of the Italian Society of Allergy and Immunology (since 2004).
- Thesaurer of the Italian Society of Paediatric Infectious Diseases (2005-2008).
- Secretariat of the Steering Committee on Anti-infective therapy of the Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy (since 2005).
- Member of the Steering Committee on Prevention and Control of Hospital Infection of the Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy (since 2005).
- Member of the Steering Committee on Teaching Evaluation and Relationships with Students at the University of Milan's Faculty of Medicine and Surgery (since 2005).
- Member of the Steering Committee on Teaching Organization at the University of Milan's Faculty of Medicine and Surgery – Polo Centrale (2005-2010).
- Secretary of the Italian Society of Preventive and Social Pediatrics (since 2008).
- Member of the Steering Committee on Vaccination of the Italian Society of Pediatrics (since 2009).
- Vice-president of the Italian Society of Paediatric Infectious Diseases (2008-2011).
- President of Amici del Bambino Malato Onlus (since 2009).
- President of the Italian Society of Paediatric Infectious Diseases (since 2011);
- Member of Ethics Committee Milano area B (since 2013);
- Member of the Steering Committee on Rare Diseases of the Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy (since 2013);
- Secretariat of the Steering Committee on Anti-infective therapy of the Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy (since 2005).

Main scientific editorial activities

- Chief Editor of the paediatric section of *La Rivista del Medico Pratico* (January 1998- December 2005).
- Scientific Coordinator of the *Giornale Italiano di Infettivologia Pediatrica* (since January 2001).
- Member of the Pediatric Area Editorial Committee (January 2001-December 2008).
- Editorial Secretary of *Vaccinare Oggi & Domani* (since March 2002).
- International Editor of The Pediatric Infectious Disease Journal (since May 2005).
- Assistant Editor of The International Journal of Pediatric Infectious Diseases (2006-2007).
- Editorial Board Member of The International Journal of Pediatric Infectious Diseases (since 2008).
- Associate Editor of BMC Infectious Diseases (since 2009).
- Associate Editor of Human Vaccines & Immunotherapeutics (since 2010).
- Associate Editor of Journal of Clinical Virology (since 2012).
- Editorial Board of PLOS one (since 2013).
- Editorial Board of International Journal of Pediatrics and Child Health (since 2013).
- Associate Editor for Pediatric Infections Section in Infectious Disease Reports (since 2014)

- Associate Editor of Medicine (since 2014);
- Board Member of VaccineXpert.net
- Reviewers for several international journals.

Summary of scientific activities

These started during my undergraduate course at Paediatric Department IV of the University of Milan with studies of paediatric infectious diseases, and continued after my graduation and specialisation with studies of various aspects of paediatric infectious diseases – initially at the same Department and then at the Institute of Paediatrics of the University of Milan. The main studies have concerned:

- 1. Vaccine and preventive paediatrics**
- 2. Methods of rationalising anti-infective therapy**
- 3. Infections of the lower airways**
- 4. Infections of the upper airways**
- 5. Emerging infections**
- 6. HIV infection**

I have also **coordinated**:

1. epidemiological studies of the role of different pathogens in the principle paediatric infections;
2. controlled clinical trials of optimal therapeutic regimens for some paediatric infectious diseases;
3. controlled trials on the use of vaccines in the first years of life;
4. guidelines for diagnostic and therapeutic approach to paediatric infectious diseases;
5. guidelines for the new vaccination calendar and the vaccinations recommended in infancy.

At a national level, I have coordinated the following relevant studies:

- project MIUR No. 2005068289_001 entitled “Influenza vaccination in pediatric age: vaccination coverage in children with chronic disease and in those otherwise healthy and efficacy of vaccination in epidemic period”;
- project entitled “Impact of influenza and immunogenicity and efficacy of influenza vaccination in pediatric age: clinical and socioeconomic impact in hospital and outpatient setting”, in the Bando Giovani Ricercatori RF 2007 of the Ministero del Lavoro, della Salute e delle Politiche Sociali;
- project entitled “Genetic variants and susceptibility to severe and/or recurrent lower respiratory tract infections with wheezing in children” in the Bando Giovani Ricercatori RF 2009 of the Ministero del Lavoro, della Salute e delle Politiche Sociali.

At International level, I am coordinating a Research Unit in the following projects:

- No. 242146 in FP7-HEALTH-2009 “European multicenter network to evaluate PK, safety and efficacy of Meropenem in neonatal sepsis and meningitis”;
- project No. A/101039 in the Second Programme of Community Action in the Field of Health (2008-2013) “Antibiotic Resistance and Prescribing in European Children”;
- IMI Project **115672-1** “Standardization and Development of Assays for Assessment of Influenza Vaccines Correlates of Protection”

The main international collaborations include research or teaching activities with the Children's Hospital in Dallas (TX, USA), Health Protection Agency in London (UK), the Erasmus MC in Rotterdam (The Netherlands), St George's Hospital Medical School in London (UK), and the University of Oxford (UK).

From 1 September 1997 to 11 December 2000, I was responsible for the research laboratory of Paediatric Department IV of the University of Milan; since 12 December 2000, I have been responsible for the research laboratory of the Institute of Paediatrics of the University of Milan. During this time, the two laboratories have become the reference laboratories in Italy for:

1. the molecular biology assaying of respiratory viruses (respiratory syncytial virus, influenza viruses, metapneumovirus, adenovirus, parainfluenza viruses, rhinoviruses, coronaviruses);
2. the evaluation of the cell-mediated immune response to combined vaccines;
3. the serological and molecular biology assaying of *Mycoplasma pneumoniae* and *Chlamydia pneumoniae*.

Summary of published works

- 685 full-length publications:

247 articles in international journals reported by *PubMed*

Overall Impact Factor (Journal Citation Reports 2012): 1,119.866

9 letters in international journals reported by PubMed with the name among study group

Overall Impact Factor (Journal Citation Reports 2012): 221.566

4 articles in international journals reported by *PubMed* with the name among study group

Overall Impact Factor (Journal Citation Reports 2012): 69.984

H-index: 36 (Scopus), 40 (Scholar)

331 articles in Italian journals

5 books published in Italy

1 international book

6 chapters in internationally published books

30 chapters in books published in Italy

52 journalistic articles

- 366 invited presentations at congresses of scientific societies:

130 at congresses of international scientific societies

236 at congresses of Italian scientific societies

- 431 presentations selected for congresses of scientific societies:

241 at congresses of international scientific societies

190 at congresses of Italian scientific societies.



Prof.ssa Susanna Esposito Milan, August 5, 2014