

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name **NAPOLITANO, Sara**
Nationality ITALIAN
Date of birth 09 June 1983

WORK EXPERIENCE

- Dates (from – to) APRIL 1, '17 – Present
- Name and address of employer Prof. A. Biondi
Fondazione MBBM – Ospedale San Gerardo, Monza
- Type of business or sector Permanent contract
- Occupation or position held Pediatrician, clinical Practice, Bone marrow transplantation for haematological diseases, Pediatrics general practice in emergency room
- Main activities and responsibilities

- Dates (from – to) APRIL 7, '16 – MARCH 31, '17
- Name and address of employer Prof. A. Biondi
Fondazione MBBM – Ospedale San Gerardo, Monza
- Type of business or sector Fixed term contract
- Occupation or position held Pediatrician, clinical Practice, Bone marrow transplantation for haematological diseases, Pediatrics general practice in emergency room
- Main activities and responsibilities

- Dates (from – to) AGOUST 5, '14 – MARCH 16, '16
- Name and address of employer Prof. A. Biondi
Fondazione MBBM – Ospedale San Gerardo, Monza
- Type of business or sector Replacement of maternity
- Occupation or position held Pediatrician, clinical Practice, Bone marrow transplantation for haematological diseases, Pediatrics general practice in emergency room
- Main activities and responsibilities

- Dates (from – to) SEPTEMBER '06 – JULY '14
- Name and address of employer Prof. M.G. Roncarolo, Scientific Institute HS Raffaele, Milan
School of Pediatrics - Pediatric Reward - Pediatric Immunohematology and Bone Marrow Transplant Unit
- Type of business or sector Student training and Medical Doctor training
- Occupation or position held Clinical Practice, Bone marrow transplantation for Thalassemic patients, haematological diseases.
- Main activities and responsibilities

- Dates (from to) JULY '09 – JULY '14
- Name and address of employer Prof. G. Chiumello, Scientific Institute HS Raffaele, Milan
School of Pediatrics - Pediatric Reward – Emergency Room
- Type of business or sector

- Occupation or position held
- Main activities and responsibilities

Medical Doctor training
Clinical Practice

JULY '09 – JULY '14

Prof. G. Cossu, Dr. F. Ciceri, Scientific Institute HS Raffaele, Milan

School of Pediatrics - Pediatric Immunohematology and Bone Marrow Transplant Unit – Department of Regenerative medicine – TIGET-Telethon

Medical Doctor training

Clinical Practice, development and practical application of clinical trial DMD01 “Outcome measures validation study for children affected by Duchenne Muscular Dystrophy (DMD)” and clinical trial DMD03 “Cell therapy of duchenne muscular dystrophy by intra-arterial delivery of hla-identical allogeneic mesoangioblasts (phase I/II).

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
- Occupation or position held
- Main activities and responsibilities

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
- Occupation or position held
- Main activities and responsibilities

SEPTEMBER '12 – APRIL '13

Prof. M.G. Roncarolo, Dr. Ciceri, Scientific Institute HS Raffaele, Milan

Pediatric Immunohematology and Bone Marrow Transplant Unit – TIGET-Telethon

Medical Adviser

Clinical Practice, collaboration in clinical trials of Gene Therapy for ADA-SCID, Wiskott-Aldrich Syndrome, Metachromatic Leucodystrophy and clinical trial of cellular therapy for Duchenne Muscular Dystrophy.

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
- Occupation or position held
- Main activities and responsibilities

SEPTEMBER '06 – JULY '14

Prof. M.G. Roncarolo, Prof. A. Aiuti, Dr. A. Biffi, Scientific Institute HS Raffaele, Milan

School of Pediatrics - Pediatric Immunohematology and Bone Marrow Transplant Unit – TIGET-Telethon

Medical Doctor training

Clinical Practice, collaboration in clinical trials of Gene Therapy for ADA-SCID, Wiskott-Aldrich Syndrome, Metachromatic Leucodystrophy.

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

MAY '13 – DECEMBER '13

Prof. G. Chiumello, Scientific Institute HS Raffaele, Milan

School of Pediatrics - Pediatric Reward - Neonatological Unit

Medical Doctor training

Clinical Practice

- Dates (from to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

JANUARY '12 – AGOUST '12

Prof. G. Chiumello, Scientific Institute HS Raffaele, Milan

School of Pediatrics - Pediatric Reward - Endocrinological Unit

Medical Doctor training

Clinical Practice

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

SEPTEMBER '10 – JANUARY '11

Dr. F. Ciceri, Scientific Institute HS Raffaele, Milan

School of Pediatrics - Hematology and Bone Marrow Transplant Unit

Medical Doctor training

Clinical Practice

- Dates (from to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

NOVEMBER '05 – JUNE '06

Dr. F. Bosi, Scientific Institute HS Raffaele, Milan

INTERNAL MEDICINE Division – Endocrinology

Student training

Clinical Practice

EDUCATION AND TRAINING

- Dates (from – to) July 2009 - July '14
 - Name and type of organisation providing education and training "Vita-Salute" S.Raffaele Medical School and Scientific Institute San Raffaele Hospital
 - Principal subjects/occupational skills covered Paediatric Residency
Sperimental Thesis: "A phase I/II clinical trial allotransplantation of Mesoangioblasts derived from HLA-identical sibling donor for Duchenne Muscular Dystrophy pediatric patients"
 Thesis supervisors: Weber Giovanna – Aiuti Alessandro – Ciceri Fabio
 - Title of qualification awarded Pediatrician
 - Level in national classification (if appropriate) 110/110 cum laude
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- Dates (from – to) November 2008 - February 2009
 - Name and type of organisation providing education and training "Vita-Salute" S.Raffaele Medical School and Scientific Institute San Raffaele Hospital
 - Principal subjects/occupational skills covered Internship in General Surgery, Internal Medicine and General Medicine
 - Title of qualification awarded Italian Government Licence for Medical Profession (10.02.2009)
 31.03.2009 Registered on Doctors and Dentists bulletin board of Monza e Brianza (n.: 03227)
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- Date (from – to) September 2002 – July 2008
 - Name and type of organisation providing education and training "Vita-Salute" S.Raffaele Medical School
 - Principal subjects/occupational skills covered Specialistic Degree Course in Medicine and Surgery
Sperimental Thesis: "Transfusional alloimmunization in a population of pediatric thalassemic treated with allogenic bone marrow transplantation: "Host versus transfusion?" Dissertation/
 keywords: thalassemia, bone marrow transplantation platelets, alloimmunizatio.
 Thesis supervisors: Roncarolo Maria Grazia and Sarah Markt
 - Title of qualification awarded Medical doctor
 - Level in national classification (if appropriate) 110 / 110 cum laude and mention of honour
-
- Date (from – to) September 1997 – July 2002
 - Name and type of organisation providing education and training "P.Frisi" Scientific High School
 - Principal subjects/occupational skills covered Scientific and Language Skills (English and French)
 - Title of qualification awarded High School Certificate
 - Level in national classification (if appropriate) 100 / 100

PERSONAL SKILLS AND COMPETENCES

*Acquired in the course of life and career but
not necessarily covered by formal
certificates and diplomas.*

Currently working as pediatrician in in San Gerardo hospital, Monza - MBBM Foundation (Monza and Brianza for the child and his mother) headed by Prof. Andrea Biondi, in the departments of Pediatric Hematology-CTMO (bone marrow transplant center), DH Pediatric Hematology, Pediatrics and Pediatric Emergency General Department. This work experience began in August 2014, just after the Pediatrics and Neonatology specialization occurred in July 2014, initially with a replacement of maternity, then with a fixed-term contract and now with a permanent contract. The contracts involve working days and nights in the general pediatric emergency room, thanks to which I can compare myself daily with a variety of pediatric diseases. Collaterally my main occupation consists in the management of pediatric hematological diseases (childhood leukemia and lymphoma, hemoglobinopathies, immunodeficiencies, bone marrow aplasia, neurodegenerative and metabolic diseases such as MPS, X-ALD), especially inside the team led by Dr. Attilio Rovelli dealing with bone marrow transplant. This is allowing me to expand knowledge about the indications for bone marrow transplantation, the pre-transplant work-up, conditioning (with electronically chemotherapy prescription through special programs) and post-transplantation follow-up. I'm finally deepening weekly the expertise of procedures such as bone marrow harvest, bone marrow aspirate, bone marrow biopsy and lumbar puncture (also medicate).

Moreover I am Co-investigator and in two cases Principal Investigator of several clinical trials study of gene therapy for childhood malignancies (phase I-II trial CAR-T cells for chemorefractory or relapsed LLA-B):

- Sub-Investigator in Novartis study: "A Phase II, single arm, multicenter trial to determine the efficacy and safety of CTL019 in pediatric patients with relapsed and refractory B-cell acute lymphoblastic leukemia". CCTL019B2001X. eudraCT number 2016-001991-31. 10 patients treated per protocol. Subsequent patients treated with marketed Kymriah product. Therapeutic path of each treated patient followed personally from enrollment to follow-up.
- Principal Investigator Novartis study: "A Phase II, single arm, multicenter open label trial to determine the safety and efficacy of tisagenlecleucel in pediatric patients with relapsed or refractory mature B-cell non-Hodgkin lymphoma (NHL) (BIANCA) CCTL019C2202 "EudraCT number 2017-005019-15. 1 patient treated. Therapeutic path of each treated patient followed personally from enrollment to follow-up.
- Principal investigator in BMS-JCAR study: "A phase 1b/2, open-label, single arm, multicohort, multicenter trial to evaluate the safety and efficacy of jcar017 in pediatric subjects with relapsed/refractory B-ALL and B-NHL "JCAR017-BCM-004. EudraCT number 2018-001246-34. 4 patients treated. Therapeutic path of each treated patient followed personally from enrollment to follow-up.
- Sub-Investigator in academic study (sponsor Fondazione Tettamanti): "Open label, single arm, multicenter, dose escalation Phase I-IIa, trial to determine the safety of Allogeneic (donor derived) Cytokine Induced Killer (CIK) cells transduced with a transposon CD19 Chimeric Antigen Receptor (CAR) gene (CARCIK.CD19) in adult and pediatric patients with relapsed or refractory B-cell precursor acute lymphoblastic leukemia (ALL), after Hematopoietic Stem Cell Transplantation (HSCT)" FT01CARCIK. EudraCT number 2017-000900-38. 4 patients treated. Therapeutic path of each treated patient followed personally from enrollment to follow-up.
- Sub-Investigator in academic study (sponsor Fondazione Tettamanti): "Measurable residual disease driven strategy for one or two infusions of non-viral, transposon- manipulated CARCIK-CD19 cells. A Phase II study in pediatric and adult patients with

relapsed/refractory B cell precursor ALL (BCP-ALL)" FT03CARCIK. EudraCT number: 2020-005025-85. 4 patients treated. Therapeutic path of each treated patient followed personally from enrollment to follow-up.

- Principal Investigator in BMS-JCAR study: "Protocollo clinico di sperimentazione di follow-up a lungo termine per i soggetti trattati con cellule T modificate geneticamente".
- Sub-Investigator in Novartis study: "Long Term Follow-Up of Patients Exposed to Lentiviral-Based CD19 directed CART Cell Therapy". CCTL019A2205B - PAVO.
- Sub-Investigator in Novartis study: "A Phase II Trial of Tisagenlecleucel in First-line High-risk (HR) Pediatric and Young Adult Patients With B-cell Acute Lymphoblastic Leukemia (B-ALL) Who Are Minimal Residual Disease (MRD) Positive at the End of Consolidation (EOC) Therapy". CCTL019G2201J . EudraCT number: 2017-002116-14.
- Sub-investigator AIEOP study: "Studio cooperativo internazionale aieop-bfm per il trattamento di bambini ed adolescenti affetti da leucemia linfoblastica acuta". AIEOP-BFM ALL 2017 presso Ente: AIEOP (ASSOCIAZIONE ITALIANA EMATOLOGIA ONCOLOGIA PEDIATRICA c/o IRCCS Azienda Ospedaliero-Universitaria di Bologna (IV piano Pad. 13) Via Massarenti, 11 40138 Bologna, Italia; a.i.e.o.p@pec.ascom.bo.it)
- Sub-investigator in MEDAC study: "Clinical phase II trial to compare Treosulfan-based conditioning therapy with Busulfan-based conditioning prior to allogeneic haematopoietic stem cell transplantation (HSCT) in paediatric patients with non-malignant diseases". MC-FludT.
- Sub-Investigator in Novartis study: "Phase II, single arm, multicenter trial to determine the efficacy and safety of CTL019 in pediatric patients with relapsed and refractory B-cell acute lymphoblastic leukemia"CCTL019B2202.
- Sub-investigator in ALEXION study: "A Phase 3, Open-label, Single arm, Multicenter Study of Ravulizumab in Addition to Best Supportive Therapy Care in Pediatric Participants (from 1 month to < 18 years of age) with Thrombotic Microangiopathy (TMA) after Hematopoietic Stem Cell Transplantation (HSCT)". ALXN1210-TMA-314.
- Sub-investigator in study: "Phase 1/2 Dose Finding and Safety Study of Ibrutinib in Pediatric Subjects with Chronic Graft Versus Host Disease (cGVHD)". PCYC-1146-IM. Sponsor: Pharmacyclics LLC (AbbVie inc. North Chicago, Illinois, U.S.A)

As resident in Pediatrics at Scientific Institute Hospital San Raffaele in Milano, Italy, I have been involved in the inpatient and outpatient management of paediatric patients, with weekly rotation in the emergency room and specialist clinics (monthly hematology, Immunology, 3 months in gastroenterology, cardiac) from July 2009 to June 2014. I completed my paediatric training by specific rotation in the General Paediatric ward and in the Neonatology ward (Neonatal Intensive Unit Care and Newborn Care Unit).

In the Pediatric Immunohematology and Bone Marrow Transplant Unit I followed a project of HLA-identical bone marrow transplantation for Middle East thalassemic patients and a clinical trial of gene therapy for ADA-SCID patients. I gained experience in management of paediatric haematological and Immunological diseases (Haemoglobinopathies, Primary Immunodeficiencies). I have been involved in the inpatient, outpatients and day ward of paediatric patients undergoing autologous and allogeneic bone marrow transplantation (in particular I gained skill in bone marrow aspiration, bone marrow harvest, transfusional practice and eritroexchange, management of complications after bone marrow transplantation). I attended also the Hematological ward of San Raffaele Hospital for 4 months in order to improve my personal skills in the

management of bone marrow transplantation (HLA-identical and Aplo-identical BMT).

I have contributed to the development of the Cellular Therapy with Mesoangioblasts of Clinical Protocol for the treatment of Duchenne Muscular Dystrophy (DMD03), following also the critical aspect of its approval through the Ethical Committee and the Italian Competent Authorities (Italian Ministry of Health). I contributed to the development of Inform Consent and of the Case Report Form (CRF). I have contributed to the regulatory aspects of the clinical protocol DMD03, through CRF compilation, evaluation of Adverse Events and their management, and to the updating of the Clinical Protocol, Inform Consent and CRF.

I followed the patients enrolled and treated within the clinical protocol DMD03, protocol TIGET-MLD (Metachromatic Leukodystrophy), protocol TIGET-WAS (Wiskott-aldrich Syndrome) and protocol TIGET-ADA-SCID from the evaluation of their eligibility to the treatment, through the phase of treatment, and during their short- and long-term follow-up, to assess the safety and the efficacy of cellular therapy. I contributed to their clinical and laboratory monitoring. In particular, on the clinical part I contributed to the management of the patients during: i) the phase of bone marrow transplantation (from the BM harvest, through the aplasia phase and the short term follow-up) and muscular biopsy for DMD patients, ii) the short- and long-term follow up (hematological and clinical monitoring), iii) neurological and physiotherapeutic follow-up (assessment of the patients' North-Star scale, 6Minute-walking test, muscular force evaluation on Kin Com machine, and instrumental test -neuromuscular MRI-).

In 2012-2013, during my training in Paediatrics I was offered a position as staff physician in the Pediatric Immunohematology and Bone Marrow Transplant Unit at Scientific Institute Hospital San Raffaele, Milano, Italy.

Since August 2009 to December 2013 I periodically made substitutions of a pediatrician in her surgery in Villasanta, Mb, Italy (Dr. Grazia SeveraFusi).

MOTHER TONGUE	ITALIAN
OTHER LANGUAGES	
	ENGLISH
• Reading skills	VERY GOOD
• Writing skills	VERY GOOD
• Verbal skills	VERY GOOD
	FRENCH
• Reading skills	GOOD
• Writing skills	GOOD
• Verbal skills	GOOD
SOCIAL SKILLS AND COMPETENCES	Excellent personal skill in living and working with other people considering communication and teamwork essential for an individual improvement of own personality. I'm skilled at time management, good at organizing, delegating tasks and reviewing the overall work and satisfaction of the team. Good interaction with paediatric population.
ORGANISATIONAL SKILLS AND COMPETENCES	Good personal skill in coordinating and administrating fields, with a particular attention to projects and budgets and a personal attitude to voluntary at work and at home, considering it essential for own improvement and personality. Voluntary service from 2000 to 2002, ABIO-association - PediatricHaematology reward, San Gerardo Hospital, Monza Sport: Archery, Volleyball

TECHNICAL SKILLS AND COMPETENCES	Competent with OS Windows Xp, MAC OS X, Microsoft Office programs (Excel, Power-point, Word). Routinary use of SIO, GALILEO, ELEFANTE, PSNET, PIESSE, PRESCRIVOWEB, IMPAX Creations and management of Database. Pub-Med, Internet and e-mail
ARTISTIC SKILLS AND COMPETENCES	READING
OTHER SKILLS AND COMPETENCES	
DRIVING LICENCE(S)	Italian Driving license B-Type (31.01.2002)

Thyroid Disorders Following Hematopoietic Stem Cell Transplantation in Childhood: Impact of Conditioning Regimen on Thyroid Dysfunction, Volume Changes, and Occurrence of Nodules.

Cattoni A, Molinari S, Gaiero A, De Lorenzo P, Fichera G, Riva B, Di Marco S, Tommesani C, Mariani E, Medici F, Pagni F, Nicolosi ML, Frascchini D, **Napolitano S**, Rovelli A, Biondi A, Valsecchi MG, Balduzzi A. *Transplant Cell Ther.* 2022 Aug;28(8):506.e1-506.e12. doi: 10.1016/j.jtct.2022.05.040. Epub 2022 Jun 1

Long-Term Host Immune Modulation Following Tisagenlecleucel Administration in Patients with Diffuse Large B-Cell Lymphoma and B-Lineage Acute Lymphoblastic Leukemia.

Guarini A, Radice G, Peragine N, Buracchi C, De Propriis MS, Di Rocco A, Di Rocco A, Chiaretti S, Moretti A, **Napolitano S**, Martelli M, Balduzzi A, Gaipa G, Biondi A, Foà R. *Cancers (Basel).* 2023 Apr 22;15(9):2411. doi: 10.3390/cancers15092411.

“Cytokine release syndrome after tisagenlecleucel infusion in pediatric patients with refractory/relapsed b-lineage acute lymphoblastic leukemia: Is there a role for diclofenac?”. **Napolitano S**, Ottaviano G, Bettini L, Russotto V, Bonanomi S, Rovelli A, Biondi A, Rona R, Balduzzi A. *Tumori.* 2021 Oct 21;3008916211053382. doi: 10.1177/03008916211053382.

“Sleeping Beauty-engineered CAR T cells achieve antileukemic activity without severe toxicities”. Magnani CF, Gaipa G, Lussana F, Belotti D, Gritti G, **Napolitano S**, Matera G, Cabiati B, Buracchi C, Borleri G, Fazio G, Zaninelli S, Tettamanti S, Cesana S, Colombo V, Quaroni M, Cazzaniga G, Rovelli A, Biagi E, Galimberti S, Calabria A, Benedicenti F, Montini E, Ferrari S, Introna M, Balduzzi A, Valsecchi MG, Dastoli G, Rambaldi A, Biondi A. *J Clin Invest.* 2020 Nov 2;130(11):6021-6033. doi: 10.1172/JCI1138473.

“Phase II Study of Sequential Infusion of Donor Lymphocyte Infusion and Cytokine-Induced Killer Cells for Patients Relapsed after Allogeneic Hematopoietic Stem Cell Transplantation”. Introna M, Lussana F, Algarotti A, Gotti E, Valgardsdottir R, Micò C, Grassi A, Pavoni C, Ferrari ML, Delaini F, Todisco E, Cavattoni I, Deola S, Biagi E, Balduzzi A, Rovelli A, Parma M, **Napolitano S**, Sgroi G, Marrocco E, Perseghin P, Belotti D, Cabiati B, Gaipa G, Golay J, Biondi A, Rambaldi A. *Biol Blood Marrow Transplant.* 2017 Jul 13. pii: S1083-8791(17)30574-8. doi: 10.1016/j.bbmt.2017.07.005.

“Intra-arterial transplantation of HLA-matched donor mesoangioblasts in Duchenne muscular dystrophy”. Cossu G, Previtali SC, **Napolitano S**, Cicalese MP, Tedesco FS, Nicastro F, Noviello M, Roostalu U, Natali Sora MG, Scarlato M, De Pellegrin M, Godi C, Giuliani S, Ciotti F, Tonlorenzi R, Lorenzetti I, Rivellini C, Benedetti S, Gatti R, Marktel S, Mazzi B, Tettamanti A, Ragazzi M, Imro MA, Marano G, Ambrosi A, Fiori R, Sormani MP, Bonini C, Venturini M, Politi LS, Torrente Y, Ciceri F. *EMBO MolMed.* 2015 Nov 5;7(12):1513-28. doi: 10.15252/emmm.201505636

“Inflammation converts human mesoangioblasts into targets of alloreactive immune responses: implications for allogeneic cell therapy of DMD”. Noviello M, Tedesco FS, Bondanza A, Tonlorenzi R, Rosaria Carbone M, Gerli MF, Marktel S, **Napolitano S**, Cicalese MP, Ciceri F, Peretti G, Cossu G, Bonini C. *MolTher.* 2014 Apr 16. doi: 10.1038/mt.2014.62.

“6 minute walk test in duchenne MD patients with different mutations: 12 month changes”. Pane M., Mazzone ES., Sormani MP., Messina S3., Vita GL., Fanelli L., Berardinelli A., Torrente Y., D'Amico A., Lanzillotta V., Viggiano E., D'Ambrosio P., Cavallaro F., Frosini S., Bello L., Bonfiglio S., Scalise R., De Sanctis R., Rolle E., Bianco F., Van derHaawue M., Magri F., Palermo C., Rossi F., Donati MA., Alfonsi C., Sacchini M., Arnoldi MT., Baranello G., Mongini T., Pini A., Battini R., Pegoraro E., Previtali SC., **Napolitano S**, Bruno C., Politano L., Comi GP., Bertini E., Morandi L., Gualandi F., Ferlini A., Goemans N., Mercuri E. *PLoS One.* 2014 Jan 8;9(1):e83400. doi: 10.1371/journal.pone.0083400. eCollection 2014.

PUBLICATIONS

- "24 month longitudinal data in ambulant boys with duchenne muscular dystrophy".Mazzone ES, Pane M, Sormani MP, Scalise R, Berardinelli A, Messina S, Torrente Y, D'Amico A, Doglio L, Viggiano E, D'Ambrosio P, Cavallaro F, Frosini S, Bello L, Bonfiglio S, De Sanctis R, Rolle E, Bianco F, Magri F, Rossi F, Vasco G, Vita G, Motta MC, Donati MA, Sacchini M, Mongini T, Pini A, Battini R, Pegoraro E, Previtali S, **Napolitano S**, Bruno C, Politano L, Comi GP, Bertini E, Mercuri E. PLoSOne. 2013;8(1):e52512. doi: 10.1371/journal.pone.0052512. Epub 2013 Jan 11.
- "Quantitative muscle strength assessment in duchenne muscular dystrophy: longitudinal study and correlation with functional measures".Lerario A, Bonfiglio S, Sormani M, Tettamanti A, Marktel S, **Napolitano S**, Previtali S, Scarlato M, Natali-Sora M, Mercuri E, Bresolin N, Mongini T, Comi G, Gatti R, Ciceri F, Cossu G, Torrente Y. BMC Neurol. 2012 Sep 13;12:91. doi: 10.1186/1471-2377-12-91.
- "Importance of SPP1 genotype as a covariate in clinical trials in Duchenne muscular dystrophy".Bello L, Piva L, Barp A, Taglia A, Picillo E, Vasco G, Pane M, Previtali SC, Torrente Y, Gazzero E, Motta MC, Grieco GS, **Napolitano S**, Magri F, D'Amico A, Astrea G, Messina S, Sframeli M, Vita GL, Boffi P, Mongini T, Ferlini A, Gualandi F, Soraru' G, Ermani M, Vita G, Battini R, Bertini E, Comi GP, Berardinelli A, Minetti C, Bruno C, Mercuri E, Politano L, Angelini C, Hoffman EP, Pegoraro E. Neurology. 2012 Jul 10;79(2):159-62.
- "Functional changes in Duchenne muscular dystrophy: a 12 month longitudinal cohort study".E.S. Mazzone, G. Vasco, M. P. Sormani, Y. Torrente, A. Berardinelli, S. Messina, A. D'amico, L. Doglio, L. Politano, F. Cavallaro, S. Frosini, L. Bello, S. Bonfiglio,E. Zucchini, R. De Sanctis, M. Scutifero, F. Bianco, F. Rossi, M. C. Motta, A. Sacco, M. A. Donati, T. Mongini, A. Pini, R. Battini, E. Pegoraro, M. Pane, S. Gasperini, S. Previtali, **S. Napolitano**, D. Martinelli, C. Bruno, G. Vita, G. Comi, E. Bertini, and E. Mercuri. Neurology, 2011 July 13.
- "Escalating Doses of Donor Lymphocytes for incipient graft rejection following stem cell transplantation for thalassemia" Frugnoli I, Cappelli B, Chiesa R, Biral E, Noè A, Evangelio C, Fossati M, **Napolitano S**, Ciceri F, Roncarolo MG, Marktel S. BMT 2009 September.
- "Absence of VOD in paediatric thalassemic HSCT recipients usingdefibrotide prophylaxis and intravenous Busulphan". Cappelli B,Chiesa R, Evangelio C, Biffi A, Roccia T, Frugnoli I, Biral E, Noè A, Fossati M, Finizio V, Miniero R, **Napolitano S**, Ferrua F, Soliman C, Ciceri F, Roncarolo MG, Marktel S. Br J Haematol. 2009 Aug 31.
- "Platelet transfusion refractoriness in highly immunized beta thalassemia children undergoing stem cell transplantation"Marktel S, **Napolitano S**, Zino E, Cappelli B, Chiesa R, Poli F, Crocchiolo R, Ronchi P, Rossini S, Ciceri F, Roncarolo MG, Fleischhauer K. Pediatr Transplant. 2010 Jan 7.

POSTERS, ABSTRACTS

Treatment of post-transplant relapse in children, adolescents and young adults with bcp all using cd19-car-t: a european retrospective analysis of real-world data. Peter Bader, Anna Alsonso, Andishe Attarbaschi, Nicole Bodmer, Halvard Bonig, Saskia Burridge, Jean-Pierre Bourquin, Veit Bücklein, Gunnar Cario, Macarena Oporto Espuelas, Tobias Feutinger, Anna Fuereder, Julia Hauer, Martin Hutter, Krzysztof Kalwak, Annette Künkele, Roland Meisel, Monika Mielcarek-Siedziuk, Ingo Müller, Sara Napolitano, Olaf Penack, Susana Rives, Claudia Rossig, Arend von Stackelberg, Andrea Jarisch, Sara Ghorashian, Adriana Balduzzi. (Abstract release date: 05/11/23) EHA Library. Bader P. 06/08/2023; 387811; S11; Hemasphere. 2023 Aug; 7(Suppl): e239539e. Published online 2023 Aug 8. doi: 10.1097/01.HS9.0000967356.23953.9e

Sports medicine physicians and exercise scientists in a transplant unit: Precision exercise and beyond. A. Balduzzi, W. Zardo, G. Prunotto, T. Moriggi, M. Verna, E. Corti, F. Vendemini, S. Napolitano, M. Barbieri, E. Villa, S. Bonanomi, F. Lanfranconi. Bone Marrow transplantation, 57, pages 100–416 (Published on 02.11.2022)

POSTERS, ABSTRACTS

Donor-Derived CAR T Cells Engineered with Sleeping Beauty in Pediatric and Adult Patients with Acute Lymphoblastic Leukemia Relapsed Post-HSCT. Chiara F Magnani, Giuseppe Gaipa, Federico Lussana, Giuseppe Gritti, Daniela Belotti, Sara Napolitano, Chiara Buracchi, Gian Maria Borleri, Benedetta Rambaldi, Silvia Zaninelli, Giuliana Rizzuto, Gianluca Cavallaro, Sarah Tettamanti, Giovanni Cazzaniga, Stefania Galimberti, Silvia Ferrari, Martino Introna, Adriana Balduzzi, Maria Grazia Valsecchi, Giuseppe Dastoli, Alessandro Rambaldi, Andrea Biondi. ASH 2022. Blood (2021) 138 (Supplement 1): 472. <https://doi.org/10.1182/blood-2021-148703>

Final results of phase I/II study of Donor-Derived CAR T Cells Engineered with Sleeping Beauty in pediatric and adult patients with B-cell Acute Lymphoblastic Leukemia relapsed post-HSCT. Lussana F, Magnani CF, Gritti G, Gaipa G, Galimberti S, Belotti D, **Napolitano S**, Buracchi C, Borleri GM, Rambaldi B, Rizzuto G, Grassi A, Paganessi M, Tettamanti S, Cazzaniga G, Ferrari S, Capelli C, Gotti E, Introna M, Balduzzi A, Valsecchi MG, Dastoli G, Rambaldi A, Biondi A. Oral talk, ASH 2022. 05/11/2021 Blood (2021) 138 (Supplement 1): 472. Blood (2021) 138 (Supplement 1): 472. <https://doi.org/10.1182/blood-2021-148703>

Efficacy and safety of tisagenlecleucel in pediatric and young adult patients (pts) with relapsed or refractory (r/r) mature b-cell non-hodgkin lymphoma (nhl): the phase ii Bianca study. Minard-Colin, V.; Buechner, J.; Locatelli, F.; Gonzalez Martinez, B.; Vormoor, B. J.; Cooper, S.; Krueger, J.; **Napolitano, S.**; Attarbaschi, A.; Baruchel, A.; Ghorashian, S.; Hermiston, M. L.; Hiramatsu, H.; Ifversen, M.; John, S.; Khaw, S. L.; O'Brien, T. A.; Phillips, C. L.; Diaz de Heredia, C.; Tomizawa, D.; Vettenranta, K.; Wayne, A. S.; Newsome, S.; Awasthi, R.; Redondo, S.; Masood, A.; Maude, S. L.; Burkhardt, B. EHA Annual meeting 2022, oral presentation. HemaSphere 6():p 156-157, June 2022. | DOI: 10.1097/01.HS9.0000843912.35755.7f

- *Donor-Derived CD19 CAR Cytokine Induced Killer (CIK) Cells Engineered with Sleeping Beauty Transposon for Relapsed B-Cell Acute Lymphoblastic Leukemia (B-ALL).* Magnani CF, Gaipa G, Tettamanti S, Cesana S, Cabiati V, Buracchi C, Fazio G, Zaninelli S, Belotti D, Matera G, Rigamonti S, Colombo, Cazzaniga G, Rovelli A, Balduzzi A, **Napolitano S**, Benedicenti F, Montini E, Borleri GM, Ferrari S, Gritti G, Lussana F, Introna F, Rambaldi A, Dastoli G and Biondi A, #125894, Oral talk, ASH 2019, Orlando, FL, USA.

- *Efficacy and safety of CD34+ selected stem cell boost (SCB) for poor graft function after haematopoietic stem cell transplantation (HSCT) in children: a single centre experience.* Prunotto G., **Napolitano S.**, Ottaviano G., Gaipa G., Rovelli A, Balduzzi A. EBMT 2017 Annual Meeting, poster session-PHYSICIANS-A-1040-0017-00796, March, 28.

- *Prospective multicenter pilot phase II Study of sequential infusion of donor lymphocyte infusion (DLI) and Cytokine Induced Killer (CIK) cells for patients with relapse after allogeneic transplantation.* Lussana F, Introna M, Algarotti A, Golay J, Delaini F, Pavoni C, Valgarsdottir R, Gotti E, Micò C, Grassi A, Finazzi MC, Cavattoni I, Balduzzi A, **Napolitano S**, Rovelli A, Sgroi G, Perseghin P, Gaipa G, Biagi E, Biondi A, Rambaldi A, EBMT 2017 Annual Meeting, oral talk, March, 28.

- *Final analysis of a multicenter pilot phase 2 study of Cytokine Induced Killer (CIK) cells for patients with relapse after allogeneic transplantation.* Lussana F, Introna M, Golay J, Delaini F, Pavoni C, Valgarsdottir R, Gotti E, Algarotti A, Micò C, Grassi A, Finazzi MC, Cavattoni I, Balduzzi A, **Napolitano S**, Rovelli A, Sgroi G,

Perseghin P, Gaipa G, Biagi E, Biondi A and Rambaldi A. Esposizione orale, ASH 2016, San Diego, USA.

- *Hematopoietic stem cell transplantation (HSCT) from unrelated donor in children with globoid cell leukodystrophy (GLD)*. **S. Napolitano**, F. Pavan, A. Balduzzi, A. Ardisson, I. Moroni, G. Uziel, A. Rovelli. EBMT 2016, Valencia-poster session-PHYSICIANS-1202.

- *Inflammation converts human mesoangioblasts into targets of alloreactive immune responses: implications for allogeneic cell therapy of DMD*. NovIELLO M, Tedesco FS, Bondanza A, Tonlorenzi R, Carbone MR, Gerli M, Marktél S, **Napolitano S**, Cicalése MP, Ciceri F, Peretti G, Cossu G, Bonini C, EBMT2014 Milano, poster sessions-PHYSICIANS-2461

- *“Un risveglio che fa la...diagnosi”*.G. Tronconi, M.Fomasi, B.Cammarata, **S.Napolitano**, M.frittoli, R.Rovelli, A.Poloniato, G. Barera. Abstract, Poster Session, “La pediatria medica e Chirurgica”, “27° Congresso della Società italiana di neonatologia Sezione Lombardia”

- *“Quantitative MRI of the lower limbs in Duchenne Muscular Dystrophy: a longitudinal study comparison of mri and clinical data to estimate disease progression and outcome after intra-arterial stem cell transplantation”*. C. Godi, S. Gerevini, **S. Napolitano**, S. Marktél, M. Scarlato, A. Iadanza, M.G. Natali Sora, G. Scotti, S. Previtali, F. Ciceri, G. Cossu, Y. Torrente, S. Bonfiglio, A. Lerario, L. S. Politi. “Radiology Society of North America” Meeting 2011, Poster session.

- *“Matched related allogeneic transplantation in beta-thalassemia: results in 58 patients from countries with limited resources”*. S. Marktél, M.P. Cicalése, A. Crotta, B. Cappelli, R. Chiesa, C. Evangelio, M. Fossati, **S. Napolitano**, L. Lorioli, M. Frittoli, F. Barzaghi, F. Ferrua, C. Soliman, A. Assanelli, A. Biffi, R. Miniero, R. Fiori, A. Aiuti, F. Ciceri, M.G. Roncarolo. Poster session 43° Congresso Nazionale SIE. Abstract n. 0483.

- *“Magnetic Resonance Imaging is a precise and reliable marker of muscle involvement in Duchenne Muscular Dystrophy”*. C. Godi, S. Gerevini, S. Bonfiglio, A. Lerario, **S. Napolitano**, S. Marktél, A. Iadanza, G. Scotti, F. Ciceri, Y. Torrente, G. Cossu, L. S. Politi. Poster Session HSR Scientific Retreat 2011: Abstract n. 279/C.

- *“Outcome measures validation study for children affected by Duchenne Muscular Dystrophy. Clinical characteristics and results of patients enrolled in the DMD01 clinical protocol”*. **S. Napolitano**, S. Marktél, S. Bonfiglio, A. Lerario, S. Previtali, M.G. Natali Sora, M. Scarlato, R. Gatti, L. Politi, F. Cornelli, M. P. Sormani, G. Comi, Y. Torrente, F. Ciceri, G. Cossu. Poster Session HSR Scientific Retreat 2011: Abstract n. 171/C.

- *“Favorable balance of allo-SCT at a long term follow-up for patients with beta-thalassemia from countries with limited resources”*. S. Marktél, M.P. Cicalése, A. Crotta, B. Cappelli, R. Chiesa, C. Evangelio, M. Fossati, **S. Napolitano**, L. Lorioli, M. Frittoli, F. Barzaghi, F. Ferrua, C. Soliman, A. Assanelli, A. Biffi, R. Miniero, R. Fiori, A. Aiuti, F. Ciceri, M.G. Roncarolo. Poster Session EBMT meeting 2011: Abstract P906.

- *“Outcome measures validation study for mesoangioblast transplantation in children affected by Duchenne Muscular Dystrophy”* Bonfiglio S., Lerario A., Tettamanti A., Marktél S., **Napolitano S.**, Previtali S., Scarlato M., Natali-Sora, Bresolin N., Comi G., Gatti R., Ciceri F., Cossu G., Torrente Y., and AIM group for DMD. Poster Session 62nd American Academy of Neurology Annual Meeting 2010: Toronto: Abstract 5PS.003.

- *“Successful management of platelet refractoriness in highly immunized thalassemia patients by assignment of HLA-typed donors on the basis of patient HLA-antibody specificity”* **S. Napolitano**, K. Fleischhauer, S. Marktél, E. Zino, B. Cappelli, F. Poli, R. Crocchiolo, P. Ronchi, S. Rossini, F. Ciceri, MG. Roncarolo. Poster Session EFI meeting 2010: Abstract P187.

-*“Cyclosporine neurotoxicity in beta-thalassemic children undergoing myeloablative BMT”*. Noè A, Marktel S, Chiesa R, Evangelio C, Frugnoli I, Fossati M, Biral E, **Napolitano S**, Ferrua F, Biffi A, Roccia T, Roncarolo MG, Ciceri F, Cappelli B. Poster Session EBMT meeting 2009: Abstract P822.

-*“Escalating Doses of Donor Lymphocytes to rescue from rejection following bone marrow transplantation for thalassemia”* Frugnoli I, Cappelli B, Chiesa R, Noè A, Biral E, Gattillo S, Roccia T, Evangelio C, Fossati M, **Napolitano S**, Giardelli A, Soliman C, Ciceri F, Roncarolo MG, Marktel S, Poster Session EBMT meeting 2009: Abstract P909.

-*“Management of platelets transfusions in highly immunised beta-thalassemia children undergoing bone marrow transplantation”*. **Napolitano S**, Zino E, Chiesa R, Cappelli B, Crocchiolo R, Biral E, Noè A, Frugnoli I, Roccia E, Evangelio C, Fossati M, Polselli A, Barzizza S, Rossini F, Ciceri F, Ronchi P, Roncarolo MG, Fleischhauer K, Marktel S. Poster Session EBMT meeting 2009: Abstract P1005.

- *“Optimal Thalassemia Free Survival and Minimal regimen Related Toxicity in 50 Consecutive Transplants of High Risk Beta Thalassemia Pediatric Patients Using Myeloablative Therapy with Intravenous Busulphan”* Marktel S, Chiesa R, Cappelli B, Roccia T, Frugnoli I, Noè A, Biral E, Crocchiolo R, Evangelio C, Fossati M, **Napolitano S**, Soliman C, Cursi L, Cattaneo F, Zito L, Fiori R, Fleischhauer K, Miniero R, Ciceri F, Roncarolo MG; Poster Session, Blood (ASH Annual Meeting Abstracts) 2008 112: Abstract 3266.

COURSE AND CONFERENCES

- Pediatric Basic Life Support, November, 21, 2021
- PALS (Pediatric Advanced Life Support), (October, 21-22, 2021), Milan
- Basic Life Support and defibrillation (April 22, 2021), San Gerardo Hospital, Monza.
- CAR T Webinar 2021 (29.03, 07.04 and 13.04 2021)
- EBMT 2020, on-line (28.09.21-01.10.21)
- 2nd European CAR T Cell meeting, 30 January-1 February, 2020, Sitges, Spain
- Progettare e realizzare sistema organizzativo e documentale in un istituto di tessuti e servizio trasfusionale Modulo 2, ICMED, V. Iaconianni, 17 January, 2020, Roma
- CD19 CAR-T Treatment in paediatric Diseases, Novartis Oncology Region Europe, 17-18 December, 2020, Frankfurt
- Stem cell transplantation in childhood biotechnological advances, ethical issues and worldwide equal access, scientific committee: F. Locatelli-E. Gluckman, 26-28 September, 2019, Roma
- Qualità, rischio, sicurezza, Modulo 1, ICMED, V. Iaconianni, 27 May, 2019 Roma
- Novartis Oncology Region Europe CTL019 investigator meeting Creating A Revolution Together (CAR-T), November 14-15, 2018, Barcellona
- Pediatric Basic Life Support and Defibrillation (October 1, 2018), San Gerardo Hospital, Monza
- EBMT 2016, Valencia, Spain.
- Terapie avanzate: pratica clinica e qualità nella produzione", October, 26, 2015, Novotel ca' granda, Viale Suzzani 13, Milano.
- "The Low Toxicity option in stem cell transplantation: 10 years experience", March, 6, 2015, Osp. S. Raffaele, Milano
- Nursal Course: "Il trapianto di cellule staminali ematopoietiche nelle malattie non oncologiche", Oral talk, Osp. S. Gerardo- Fondazione MBBM, Monza, October 10, 2015.
- "EPLS: European Paediatric life Support", Buzzi Hosp., Milan, January 16-17, 2014
- Investigator's meeting "Allotransplantation of mesoangioblasts for Duchenne Muscular Dystrophy a phase I/II clinical trial – DMD03", Oral Talk: clinical trial and follow-up, 01.10.2013, Milan, San Raffaele Scientific Institute.
- Advisory Board DMD03 clinical trial, Oral Talk, Milan, November 19-20, 2013.
- Optistem Annual meeting", Ischia, Italy 09-11 April 2013. Oral Talk: "Cell Therapy of Duchenne Muscular Dystrophy by intra-arterial delivery of HLA-identical Mesoangioblasts", April 9, 2011
- EBMT Acute Leukemia working party symposium "novel agents in stem cell transplantation", San Raffaele Scientific Institute, Milan, November 10, 2012.
- ONSP-days (Osservatorio Nazionale Specializzandi Pediatria)-L'urgenza formativa, IX meeting, University of Padova, June 6-9, 2012.
- GITMO-Support-therapy, Milan, San Raffaele Scientific Institute, February 9, 2012
- EPLS: European Paediatric life Support, Buzzi Hosp., Milan, November 25-26, 2011
- Optistem Annual meeting, Fontevraud", Loire, 02-05 April 2011. Oral Talk: "Cell Therapy of Duchenne Muscular Dystrophy by intra-arterial delivery of HLA-identical Mesoangioblasts", April 3, 2011
- "HSR Scientific Retreat", Stresa, February 10-12, 2011
- Course: "La Sperimentazione Clinica", November 18-19, 2010, Osp. S. Raffaele, Milan
- Nursal Course: "Gestione assistenziale delle patologie immunoematologiche nel paziente pediatrico". Oral talk: Duchenne Muscular Dystrophy", Osp. S. Raffaele, Milan, September 20, and October 25, 2010)
- "The 7th San Raffaele Transplant Meeting", Osp. S. Raffaele, Milan (May 2010)
- Optistem Annual meeting, Stresa, March 27-30, 2010

- Course of "Pediatric Life Support early defibrillation" Osp. S. Raffaele, Milan, March 15, 2010.
- "Profilassi anti-fungina nel paziente immunodepresso: pros and cons" Spedali Civili, Brescia, Italy, September 2009.
- "Le Emergenze e Urgenze in Pediatria", SIP society (Italian Society of Pediatrics), Milan, Italy, May 2009.
- "XIV work-shop in endocrinologia e metabolismo dell'età evolutiva", S. Raffaele, Milan, March 12-14, 2009.
- "Forum sulla ferrochelazione: attualità e prospettive nella talassemia e nelle altre emoglobinopatie", Milan, May 29-30, 2008.
- "Sovraccarico di ferro: metodi di valutazione a confronto. Terapia convenzionale o trapianto di cellule staminali." Pavia, October 12, 2007.
- "XIII work-shop in endocrinologia e metabolismo dell'età evolutiva", Osp S. Raffaele, Milan, March 2007.

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