

PERSONAL INFORMATION

Annamaria Di Meglio

 Istituto di Ricerca Pediatrica, Corso Stati Uniti 4, 35127, Padova, Italia

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POSITION

Collaborator of Cytogenetic group in the Laboratory of Pediatric Oncohematology

WORK EXPERIENCE

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- **Dates (May 2016 - May 2017)**
 - Collaborator at Onco-Haematology Laboratory, Department of Woman and Child Health, University of Padova
 - **Name and address of employer**
 - Fondazione Città della Speranza Onlus
 - Viale del Lavoro n.10, 36030 Monte di Malo (Vi), Italy
 - **Type of business or sector**
 - Biological and Medical research (basic and translational)
 - **Occupation or position held**
 - Researcher, post-doc
 - **Main activities and responsibilities**
 - Collaborator in the Laboratory of Pediatric's Oncohematology (cytogenetic's lab.)
 - Main activities:
cellular cultures, classical and molecular cytogenetic (acquired chromosomal pathology, FISH (Fluorescent In Situ Hybridization), M-FISH, array CGH (Comparative Genome Hybridization))
 - **Dates (May 2013 - April 2016)**
 - Collaborator at Onco-Haematology Laboratory, Department of Woman and Child Health, University of Padova
 - **Name and address of employer**
 - Istituto di Ricerca Pediatrica (IRP) -Fondazione Città della Speranza
 - Corso Stati Uniti 4, 35127 Padova, Italia
 - **Type of business or sector**
 - Biological and Medical research (basic and translational)
 - **Occupation or position held**
 - Researcher, post-doc
 - **Main activities and responsibilities**
 - Collaborator in the Laboratory of Pediatric's Oncohematology (cytogenetic's lab.)
 - Main activities:
cellular cultures, classical and molecular cytogenetic (acquired chromosomal pathology, FISH (Fluorescent In Situ Hybridization), M-FISH, array CGH (Comparative Genome Hybridization))
 - **Data (May 2010 - May 2013)**
 - Collaborator at Onco-Haematology Laboratory, Department of Woman and Child Health, University of Padova
 - **Name and address of employer**
 - "Citta' della Speranza – Onlus , Via Chiesa n.27/a, Malo (VI)"
 - **Type of business or sector**
 - Biological and Medical research (basic and translational)
 - **Occupation or position held**
 - Researcher, post-doc
 - **Main activities and responsibilities**
 - Collaborator in the Laboratory of Pediatric's Oncohematology (cytogenetic's lab.)
 - Main activities:
cellular cultures, classical and molecular cytogenetic (acquired chromosomal pathology, FISH (Fluorescent In Situ Hybridization), M-FISH, array CGH (Comparative Genome Hybridization))
 - **Data (May 2009 - May 2010)**
 - Collaborator for research activities at Onco-Haematology Laboratory, Department of Woman and Child Health, University of Padova
(Prof. Giuseppe Basso)

- Name and address of employer Onco-Haematology Laboratory, University of Padova (Responsabile: Prof. Giuseppe Basso)
Via Giustiniani 3, 35128 Padua
Fondazione Città della Speranza
- Type of business or sector Biological and Medical research (basic and translational)
- Occupation or position held Researcher in training
 - Main activities and responsibilities Collaborator in the Laboratory of Pediatric's Oncohematology (cytogenetic's lab.)
Main activities:
cellular cultures, classical and molecular cytogenetic (acquired chromosomal pathology, FISH (Fluorescent In Situ Hybridization), M-FISH, array CGH (Comparative Genome Hybridization))
- Data (April 2007- April 2009) Employed as researcher of Fondazione Città della Speranza at the Laboratory of Paediatric Oncoematology, University of Padua (Prof. Giuseppe Basso)
- Name and address of employer Laboratory of Paediatric Oncoematology, University of Padua (Prof. Giuseppe Basso)
Fondazione Città della Speranza
 - Type of business or sector Biological and Medical research (basic and translational)
 - Occupation or position held Research in training
 - Main activities and responsibilities Collaborator in the Laboratory of Pediatric's Oncohematology (cytogenetic's lab.)
Main activities:
cellular cultures, classical and molecular cytogenetic (acquired chromosomal pathology, FISH (Fluorescent In Situ Hybridization), M-FISH, array CGH (Comparative Genome Hybridization))
- Data (January 2004 - December 2006) PhD student at the Laboratory of Paediatric Oncoematology, University of Padua (Prof. Giuseppe Basso, Dr. Laura Sainati and dr Anna Leszl)
- Name and address of employer Dipartimento di Pediatria, Università di Padova, via Giustiniani, 3 35128 Padua, Italy
 - Type of business or sector Biological and Medical research (basic and translational)
 - Occupation or position held Research in training
 - Main activities and responsibilities Classical and molecular cytogenetic (acquired chromosomal pathology, FISH (Fluorescent In Situ Hybridization), array CGH (Comparative Genome Hybridization)), flow cytometry for telomere length in paediatric patients)
- Data (July 2003 - December 2003) Employed as biologist of Fondazione Città della Speranza at the Laboratory of Paediatric Oncoematology, University of Padua (Prof. Giuseppe Basso)
- Name and address of employer Laboratory of Paediatric Oncoematology, University of Padua (Prof. Giuseppe Basso)
Fondazione Città della Speranza - Via Giustiniani 3, 35128 Padua, Italy
 - Type of business or sector Biological and Medical research (basic and translational)
 - Occupation or position held Biologist
 - Main activities and responsibilities Classical and molecular cytogenetic (acquired chromosomal pathology, FISH (Fluorescent In Situ Hybridization), array CGH (Comparative Genome Hybridization)), flow cytometry for telomere length in paediatric patients)

EDUCATION AND TRAINING

- Data (November - December 2007) Professional exam to become a licensed biologist
 - Name and type of organization providing education and training University of Pavia

- Title of qualification awarded Licensed biologist

- Dates (January 2004 - December 2006) PhD in "Developmental Biology"
 - Name and type of organization providing education and training Laboratory of Paediatric Oncoematology, University of Padova, Padova (Prof. Giuseppe Basso)
 - Principal subjects/occupational skills covered Classical and molecular cytogenetic (acquired chromosomal pathology, FISH (Fluorescent In Situ Hybridization), array CGH (Comparative Genome Hybridization)), flow cytometry for telomere length)

- Title of qualification awarded Doctorate Degree (PhD)
 - Level Level 6

- Dates (October 1993 - July 2002) Attending the faculty of Biological Sciences, biomolecular course, at Padua University.
 - Name and type of organization providing education and training University of Padua
 - Title of qualification awarded Degree in Biological Sciences, biomolecular field
 - Level Level 5A

- Dates (1988-1993) Scientific High School
 - Name and type of organization providing education and training Scientific High School G.B. Quadri Vicenza, Italy
 - Title of qualification awarded Scientific graduation
 - Level Level 3A

PERSONAL SKILLS

Mother tongue(s)	Italian				
Altre lingue	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1/B2	B1/B2	B1/B2	B1/B2	B1/B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communications skills Good

Organisational / managerial skills I really improved my organization and teamwork skills, how organize both everyday research activities and long term expected results.

Job - related skills Knowledge of microscopy and the correlated imager programs for cytogenetics analysis. Experience with Scanner and correlated program for analysis and interpretation of arrayCGH results.
 Informatic knowledge of Windows, Word, Excel, Outlook express, Internet Explorer

Competences in:
 - imager analysis for classical (Q-banding karyotype) and molecular (FISH and M-FISH) cytogenetic
 - samples preparation for cytogenetic cellular coltures from bone marrow, peripheral blood and biopsy and their criopreservation
 - measurement of telomeres lenght by Flow Cytometry in pediatric's bone marrow

- arrayCGH (metodology and interpretation)

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user
 Digital competences - Self-assessment grid

Knowledge of imager programs for cytogenetics analysis. Experience with Scanner and correlated program for analysis and interpretation of arrayCGH results.
 Informatic knowledge of Windows, Word, Excel, Outlook express, Internet Explorer

Driving licence Type B

ADDITIONAL INFORMATION

Training

"Corso residenziale tecnico-pratico su tecniche di base e metodologie avanzate in citogenetica molecolare/FISH" Pescara presso l'Ospedale Spirito Santo 7,8,9 July 2003.

"Corso di Citogenetica molecolare e microarrays: aspetti metodologici ed applicativi" svoltosi a Bologna presso l'Istituto Ortopedico Rizzoli (IOR) 28,29 30 June 2004

"Corso Teorico – pratico di tecniche di CGH arrays" Padova 12,13,14 December 2005.

"6° Corso di Metodologia e ricerca applicata: Aggiornamenti in biologia cellulare e molecolare" Padova 15 June 2007.

"TEST GENETICI - Normativa, etica e problematiche diagnostiche in citogenetica medica " Padova il 26 May 2006.

" Predisposizioni ereditarie allo sviluppo di neoplasie pediatriche" presso "10° Congresso Nazionale S.I.G.U. Società Italiana di Genetica Umana" Montecatini terme (PT) 17 november 2007.

"7° Corso di Metodologia e ricerca applicata: Attualità e prospettive i biologia molecolare e cellulare" Padova 12/02/2008.

"Mosaicismo" presso "XIII Congresso Nazionale S.I.G.U. Società Italiana di genetica Umana" Firenze 14 October 2010

"Citogenetica Oncoematologica" presso "XIV Congresso Nazionale S.I.G.U. Società Italiana di Genetica Umana" Milano 16 November 2010

"Nuovi strumenti e strategie di analisi nel laboratorio biomedico" 20 June 2012 Padova

Training Affimetrix " Affymetrix technical training course CytoScan HD training" 6-9 October – Padova – Istituto di Ricerca Pediatrica

"CytoScan HD training for analysis of pediatric All cases" Vienne , Austria, 21-22/01/2016 (BFM ALL 2009 PROTOCOL STUDY working group cytogenetics)

Publications
 Articles in Scientific Journals

Cytogenetic analysis of pediatric anaplastic large cell lymphoma Mussolin L., Pillon M., Bonato P., Leszl A., Franceschetto G., Di Meglio A., d'Amore ES., Sainati L., Rosolen A. *Pediatr Blood Cancer* 2010 Sep;55(3):446-51

MLL partner genes drive distinct gene expression profiles and genomic alteration in pediatric acute myeloid leucemia. An AIEOP study, Pigazzi M1 PhD, Masetti R2 MD, Bresolin S1 BS, Beghin A1 BS, Di Meglio A1 PhD, Gelain S1 BS, Trentin L1 PhD, Baron E1 BS, Giordan M1

PhD, Zangrando A1 PhD, Buldini B1 PhD, Leszl A1 BS, Putti MC1 MD, Rizzari C3 MD, Locatelli F4 Prof, Pession A2 Prof, Te Kronnie1 G PhD, Basso G1.
Leukemia (2011) 25, 560–563; doi:10.1038/leu.2010.316; published online 18 February 2011

Editoriale sullo stato dell'arte del lavoro svolto dal gruppo di citogenetica SIGU sul corretto utilizzo dei microarray (array CGH e SNP array) in diagnosi prenatale e postnatale. Autore: dott. Antonio Novelli (Istituto Mendel, Roma), coordinatore del GdL di Citogenetica SIGU. Rivista: Il Giornale del Linguaggio Universale: DNA e (ANNO V- N°12 Aprile 2011)

Mesenchymal stem cells from Shwachman-Diamond syndrome patients display normal functions and do not contribute to hematological defects.

André V, Longoni D, Bresolin S, Cappuzzello C, Dander E, Galbiati M, Bugarin C, Di Meglio A, Nicolis E, Maserati E, Serafini M, Warren AJ, Te Kronnie G, Cazzaniga G, Sainati L, Cipolli M, Biondi A, D'Amico G. Blood Cancer J. 2012 Oct 12;2:e94. doi: 10.1038/bcj.2012.40.

Poor prognosis for P2RY8-CRLF2 fusion but not for CRLF2 over-expression in children with intermediate risk B-cell precursor acute lymphoblastic leukemia.

Palmi C, Vendramini E, Silvestri D, Longinotti G, Frison D, Cario G, Shochat C, Stanulla M, Rossi V, Di Meglio AM, Villa T, Giarin E, Fazio G, Leszl A, Schrappe M, Basso G, Biondi A, Izraeli S, Conter V, Valsecchi MG, Cazzaniga G, Te Kronnie G. Leukemia. 2012 Oct;26(10):2245-53. doi: 10.1038/leu.2012.101. Epub 2012 Apr 9.

Trisomy 7 and deletion of the 9p21 locus as novel acquired abnormalities in a case of pediatric biphenotypic acute leukemia.

Tarsitano M, Leszl A, Parasole R, Cavaliere ML, Menna G, Di Meglio A, Buldini B, Poggi V, Vicari L. J Pediatr Hematol Oncol. 2012 Apr;34(3):e126-9.

Different outcomes of allogeneic hematopoietic stem cell transplant in a pair of twins affected by juvenile myelomonocytic leukemia. Cesaro S, De Filippi P, Di Meglio A, Leszl A, Donska S, Zaccaron A, Cagioni C, Galavotti R, Danesino C, Aprili F, Cugno C, Te Kronnie G, Zecca M, Bresolin S. Int J Hematol. 2013 Dec 12.

Discordant Disease Course in a Monozygotic Twin Pair with Juvenile Myelomonocytic Leukemia

Silvia Bresolin, Paola De Filippi, Claudia Cagioni, Simone Cesaro, Annamaria Di Meglio, Anna Leszl, Fiorenza Aprili, Chiara Cugno, M.D., Chiara Frasson, Marco Zecca, Cesare Danesino, and Geertruyte Kronnie J Genet Genome Res 2014

Ichthyosis and Kallmann syndrome: Not always a contiguous gene syndrome Trevisson E, Ludwig K, Casarin A, Di Meglio A, Greggio NA, Manara R, Lenzini E, Clementi M, Salviati L. J Dermatol Sci. 2015 Feb 16

A Case of T-cell Acute Lymphoblastic Leukemia Relapsed As Myeloid Acute Leukemia. Paganin M, Buldini B, Germano G, Segnanfreddo E, Meglio AD, Magrin E, Grillo F, Pigazzi M, Rizzari C, Cazzaniga G, Khiabani H, Palomero T, Rabadan R, Ferrando AA, Basso G. Pediatr Blood Cancer. 2016 May 3.

Presentations / Meetings / Conferences & Posters

"III International Symposium on mds in childhood" Stresa, Lago Maggiore, 27,28,29 April 2003.

"VI° National Meeting S.I.G.U. Italian Society of Human Genetics" Verona il 24,25,26,27 September 2003.

Poster at XXX AIEOP (Italian Association Paediatric Oncology Hematology) National Meeting "Evaluation of telomeres length in pediatric's bones marrow: preliminary results". L. Sainati, C. Bolin, A. Di Meglio, L. Giglio, A. Leszl, S. Fenu, E. Rigon, G. Basso.

"VII° National Meeting S.I.G.U. Italian Society of Human Genetics" Pisa 13,14,15 October 2004.

Poster at VII° National Meeting S.I.G.U. "Evaluation of telomeres length in pediatric's bones marrow: preliminary results". A. Di Meglio, L. Sainati, C. Bolin, L. Giglio, A. Leszl, S. Fenu, E. Galtarossa, G. Tridello, G. Lorin, G. Basso.

"5th European Cytogenetics Conference (5th ECC)" Madrid, Spagna, 4,5,6,7 June 2005.

Poster at 5th European Cytogenetics Conference (5th ECC) "Analysis of a series of anaplastic large lymphoma in children and comparison of the cytogenetic aberration associated with the adult and the pediatric cases". P. Bonato, A. Leszl, M. Pillon, A. Rosolen, A. Di Meglio, G. Tridello, G. Basso and L. Sainati.

Posters at XXXII AIEOP (Italian Association Pediatric Oncology Hematology) National Meeting 2005 a Torino 9,10,11 October 2005:

“Myelospastic picture mimic a RAEB-T as unusual presentation of Shwachman-Diamond Syndrome

Sainati L., Basso G., Leszl A., Danesino C., Spinelli M., Pillon M., Pasquali F., Varotto S., Fenu S., Di Meglio A., Cesaro S., Messina C., M.Carli.

“Prospective follow-up of an Italian population of Shwachman-Diamond Syndrome (SDS) patient: hematological and genetic studies”.

Sainati L., Longoni D.; *for the MDS-AIEOP group*: Basso G., Biondi A., Fenu S., Locatelli F., Spinelli M., Testi AM., Zecca M., ; *for SDS group*: Bugarin C., Cipolli M., Danesino C., Di Meglio A., Tridello G., Leszl A., Mastella G., Pasquali F., Petaros P., Poli F., Varotto S.

“IX° National Meeting S.I.G.U. Italian Society of Human Genetica “ at Lido di Venezia (Ve) 8-10 November 2006.

Poster at : “4th International Congress on Shwachman-Diamond Syndrome” tenutosi a Boston – Massachusettes 10-12 May 2007:

“Italian population of Shwachman-Diamond Syndrome (SDS) patients: results of genetic features and six years of prospective Hematological follow-up”

L. Sainati, D. Longoni, for the MDS-AIEOP group: G. Basso, A. Biondi, S. Fenu , M. Spinelli, M. Zecca & for SDS group: C. Bugarin, M. Cipolli, C. Danesin&, A. Di Meglio, A. Leszl, A. Minelli, E. Maserati, F. Pasquali, P. Petaros, F.Poli, G. Tridello, S. Varotto.

“X° National Meeting S.I.G.U. Italian Society of Human Genetica “ Montecatini terme (PT) 14-17 November 2007.

Poster presentato al “10° Congresso Nazionale S.I.G.U.”: “Deletion on chromosome derivative 9 in pediatric patients with LMC”.

D. Campagnolo, A. Di Meglio, M. Spinelli, E. Galtarossa, M.C Putti, A. Leszl, L. Lo Nigro, G. Menna, C. Consarino, G. Basso.

Poster and oral presentation at “Third International Symposium on childhood, adolescent and young adult non-Hodgkin’s lymphoma” Francoforte 11-13 June 2009: “Cytogenetic analysis of pediatric ALCL: a single institution experience and a comparison with adult series reported in literature”.

L. Mussolin, M. Pillon, A. Leszl, P. Bonato, G. Tridello, A. Di Meglio, L. Sainati and A. Rosolen

“XIII National Meeting S.I.G.U. Italian Society of Human Genetica” Firenze 14-17 October 2010

Poster presentato al “XIII Congresso Nazionale S.I.G.U.”: “Results of an arrayCGH study in pediatric patients with acute myeloid leukemia and MLL rearranged genes

A. Di Meglio¹, A. Leszl¹, S. Schiavon¹, M. Pigazzi¹, A. Beghin¹, B. Buldini¹, M.C. Putti¹, F. Locatelli², A. Pession³, G. Basso¹

Speaker at meeting “Malattie genetiche ed ematologiche: nuovi percorsi diagnostici e sfide assistenziali in ambito ospedaliero” Varese 24 November 2010: “ArrayCGH application in pediatric haematology”

A. Leszl, A. Di Meglio

“8th European cytogenetics conference” Porto-Portogallo_02-05/07/2011 Poster at “8th European cytogenetics conference”: Shwachman-Diamond Syndrome (SDS): results of an Italian cytogenetic and haematological multicentric study (1997-2007)

A Di Meglio^o, A.Leszl^o, E. Maserati[#], F.Pasquali[#], for SDS group: M.Cipolli^o, C.Danesino^o, D.Longoni^{*}, A. Minelli^o, E. Nicolis^o, F.Poli[^], L. Sainati^o, G. Tridello^o and for the MDS-AIEOP group: G. Basso^o, A. Biondi^{*}, S. Fenu^o, S. Francescato^o, M.Zecca

“XIV National Meeting S.I.G.U. Italian Society of Human Genetica ” Milano 13-16 November 2010

Poster at “XIV National Meeting S.I.G.U. Italian Society of Human Genetica” : “JUMPING TRANSLOCATIONS”: A PEDIATRIC CASE WITH ONLY ONE GIVEN CHROMOSOME

A. Di Meglio^o, B. Buldini^{*}, E.S.G. D’Amore[^], A. Beghin^{*}, S.Gelain^{*}, A.Rosolen^{*}, L.Sainati, S^{*}. Francescato^o, V. Acampora^{*}, A. Leszl^{*}

“Array GCH: Principles and Guidelines” Treviso 12-13 October 2012

Poster e Selected posters presentation at “6th International Symposium on MDS and

Bone Marrow Failure Syndromes in childhood” Prague , 7-9 November 2012:A Case of Two Monozygotic Twins with Concordant Juvenile Myelomonocytic Leukemia in the Era of New Genomic Technologies: Insight in the Course of the Disease

Silvia Bresolin¹, Paola De Filippi², Claudia Cagioni², Annamaria Di Meglio¹, Anna Leszl¹, Chiara Frasson¹, Simone Cesaro³, Chiara Cugno⁴, Marco Zecca⁴, Cesare Danesino²⁻⁵, Giuseppe Basso¹ and Geertruy te Kronnie¹

Poster “Morphologic and phenotypic characterization of paediatric secondary Acute Myeloid Leukemia (sAML)”

Francesca S. , Buldini B. , Veltroni M. , Zecca M. , Fenu S. , Leszl A. , Di Meglio A. , Pigazzi M. , Sainati L.

Poster al “18th European Hematology Association” Stockholm 2013: A Case of Two Monozygotic Twins with Concordant Juvenile Myelomonocytic Leukemia: Insight in the Course of the Disease

Silvia Bresolin¹, Paola De Filippi², Claudia Cagioni², Simone Cesaro³, Annamaria di Meglio¹, Anna Leszl¹, Chiara Frasson¹, Chiara Cugno⁴, Marco Zecca⁴, Cesare Danesino²⁻⁵, Giuseppe Basso¹ and Geertruy te Kronnie¹

Poster at all”55 Th American Society of Hematology (ASH)” 7-10/12/2013: Identification Of Low Risk Group In Infants With Acute Lymphoblastic Leukemia By Flow Cytometric Minimal Residual Disease Measurement At Day 15 Of Interfant-99 and Interfant-06 Protocols Treatment

Alexander Popov^{1,2*}, Barbara Buldini^{1*}, Paola de Lorenzo^{3,4*}, Emanuela Giarin^{1*}, Annamaria Di Meglio^{1*}, Franco Locatelli^{5,6*}, Rosanna Parasole^{7*}, Larisa Fechina², Grigory Tsaur^{2*}, Andrea Biondi⁴, Maria Grazia Valsecchi^{3*} and Giuseppe Basso

Speaker at the course “ Standard attuali nella diagnosi e nella classificazione delle leucemie acute: applicazioni dei singoli metodi - Modulo II- (Padova 3-4 Marzo 2015): “Analisi FISH (interfasica/metafasica)” e “CGH – array”