**CURRICULUM VITAE**

**Name** Giovanni Cazzaniga

**Date and**

**place of birth** 24 September 1965, Vimercate (MI), Italy

**Citizenship** Italian

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**Work addresses**

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**EDUCATION**

2021 Associate Professor, Medical Genetics, School of Medicine and Surgery, Univ. Milan Bicocca.

2018 Assistant Professor (Ricercatore a Tempo Determinato di tipo B, RTDB), Medical Genetics, School of Medicine and Surgery, Univ. Milan Bicocca.

2014 Qualification (National Scientific Habilitation, ASN) for Associate Professorship to the following sections: 05/F1 Applied Biology BIO/13 and 06/A1 Medical Genetics MED/03, 06/A2 General and Clinical Pathology (deadline 07/01/2023).

2004 Specialist in Medical Genetics. Faculty of Medicine, University of Milan, Italy. *70/70 cum laude.*

1992 Specialist in Pharmaceutical Research at the “M.Negri” Pharmacology Research Institute of Milan, Italy.

1990 Biological Science degree at the University of Milan, Italy. *110/110 cum laude.*

**PROFESSIONAL POSITION**

05/2023 - now Acting Director (ff), Medical Genetics, Foundation IRCCS San Gerardo dei Tintori, Monza, Italy

03/2023 - now Deputy Director, Ph.D. Program in Translational and Molecular Medicine (Dimet), University of Milan Bicocca.

12/2021 - now Associate Professor, Medical Genetics, School of Medicine and Surgery, Univ. Milan Bicocca.

2006 - now Head, “Molecular genetics of leukemia” Unit, Centro Ricerca Tettamanti, Pediatric Clinic, University of Milan-Bicocca, Monza, Italy.

2018-2021 Assistant Professor (Ricercatore a Tempo Determinato di tipo B, RTDB), Medical Genetics, School of Medicine and Surgery, Univ. Milan Bicocca.

2009 - 04/2023 Director, Laboratory of Hemato-Oncology Diagnostics “M. Tettamanti”, Fondazione MBBM, Monza.

1995/1997 Research fellow at the “M.Tettamanti” Research Center, Pediatric Clinic, University of Milan-Bicocca, Ospedale San Gerardo, Monza, Italy.

1990/1994 Research fellow at the Laboratory of Enzymology - Molecular Biology Unit - "M.Negri" Pharmacology Research Institute, Milan, Italy.

**MAJOR RESEARCH INTERESTS**

* Genetic predisposition to leukemia
* Personalized Medicine in Pediatric Hemato-Oncology
* Prenatal origin of leukemia
* Molecular characterization of childhood ALL and AML.

- Minimal residual disease monitoring in childhood ALL, by analysis of T-cell Receptor and Immunoglobulin genes’ rearrangements and fusion gene transcripts.

- Functional analysis of genetic aberrations in leukemic patients (PAX5 lesions, Ph-like ALL, Down Syndrome ALL, MLL-rearrangements).

**ORGANIZATIONAL / EDUCATIONAL / MANAGERIAL SKILLS**

* Since 2023: Head of the Medical Genetics Unit at the Fondazione IRCCS San Gerardo dei Tintori, Monza (IT), coordinating a team of 2 clinical geneticists, 4 cytogeneticists, 3 molecular biologists, and 6 technicians focused on prenatal and postnatal analyses on genetic disorders, hemato-oncological cytogenetics, clinical genetics focused on cancer predisposition.
* Since 2022: Chair of the Committee on Genetic Variations of the International-BFM Study Group (a Working Group of the European Society for Paediatric Oncology- SIOP Europe, which networks national study groups from more than 30 Countries worldwide, to address research on pediatric leukemia and lymphoma)
* Since 2006: Group Leader of the ‘Molecular Genetics of Leukemia’ Unit at the Tettamanti Research Center, coordinating a team of 3 PostDocs, 2 Physician Scientists, 6 PhD students and 2 rotating ungraduated students.
* 2022: Contributor to 5th edition of the World Health Organization (WHO) Classification of Haematolymphoid Tumours (4th Chapter: B-cell lymphoid proliferations and lymphomas - sessions on BCR::ABL1 fusion, ETV6::RUNX1 fusion, ETV6::RUNX1-like features, TCF3::PBX1 fusion, TCF3::HLF fusion). Leukemia. 2022 Jun 22. doi: 10.1038/s41375-022-01613-1.
* 2009-2022: Head of the Laboratory Tettamanti for Hemato-Oncological Diagnostics, coordinating 15 biologists and technicians working on cytomorphology and immunophenotyping, cytogenetics/molecular cytogenetics and molecular biology, for the diagnosis and monitoring of childhood and adult leukemia. The Laboratory if National reference for childhood ALL, and one of the main regional references for CML/MPD.
* Founder and Board Member of the European Group for Minimal Residual Disease (EuroMRD, www.euromrd.org) analysis; Steering Committee member of the Euroclonality-NGS group, member of the Biology & Diagnosis Committee of the International-BFM Study Group (I-BFM-SG); board member of the Working Group on Biology of the Italian Association for Pediatric Hemato-Oncology (AIEOP); Management Committee member of the COST Action ‘Legend’ and vice-chair of WG3 on ‘Familial Leukemia’; Committee of the International PhD in Molecular and Translational Medicine (DIMET-Università Milano Bicocca, Monza).
* Large experience in training and supervising students. Overall, 6 PhD students for the International PhD in Molecular and Translational Medicine (DIMET-Università Milano Bicocca, Monza); 3 PhD students for the International PhD in Molecular Medicine (Università Vita-Salute San Raffaele, Milano);3 students for their post-Degree Specialization in Medicine (Università Milano Bicocca, Monza); 13 students for their degree in Medicine (Università Milano Bicocca, Monza); 12 students for their degree in Biotechnology or Biology (Università Milano Bicocca, Monza and Università degli Studi, Milano); 4 students for their degree as Laboratory Technician (Università Milano Bicocca, Monza).
* Since 2011: yearly Teacher at the Master on Pediatric Hematology, Sapienza University, Rome, IT
* Since 2019: teaching Genetics in courses for Biotechnologists, Technicians and Medical Doctors at University of Milan Bicocca.

**HONOURS AND AWARDS (personal and of the group)**

* 2015 Cazzaniga V/Cazzaniga G. Best Thesis: PAX5/ETV6 alters the gene expression profile of precursor B cells with opposite dominant effect on endogenous PAX5. 29th National Conference of Cytometry (GIC), Salerno, Italy. Lettere GIC 2011;20:27-30
* 2014 Bardini M/Cazzaniga G. ‘Mundipharma Hematology Award’. National Contest, SIES 2014: Scientific paper: Clonal variegation and dynamic competition of leukemia-initiating cells in infant acute lymphoblastic leukemia with MLL rearrangement. Leukemia 2015.
* 2014 Palmi C/Cazzaniga G. ‘Under 40- Young in Hematology’, National Contest, SIES 2014: Research Project: ‘CRLF2 Over-expression is a Poor Prognostic Marker in Children With High Risk T-cell ALL’.
* 2006 Palmi C/Cazzaniga G. Best Poster at the 5th Bi-annual Symposium on Childhood Leukemia; ‘Expression of the TEL-AML1 leukemia-associated fusion protein inhibits TGF-beta1 signaling’.
* 2006 Palmi C/Cazzaniga G. Poster “Scholar in Training awardee” at the AACR Special Conference in cancer Research, California (USA).
* 1998 Cazzaniga G. Best abstract at the AIEOP Congress (Pavia). ‘Prenatal origin of leukemia’.
* Several ASH, EHA, SIES travel awards to the personnel of the group through the years.
* Several peer reviewed fellows and University positions to the personnel of the group through the years.
* Advisory Board of the project “Responsible Initiative on Neonatal Genome Sequencing” (RINGS), cofunded by Lombardy Region and Telethon Foundation, to assess the feasibility on Neonatal WGS.

**PEER REVIEWED GRANTS**

As ‘PI’:

Ongoing:

* Italian Association for Cancer Research (AIRC) – IG 2023 ID 29175 (2024-2028): Before leukemia in children: PRE-disposition, PRE-leukemia for PRE-vention (PRE3vent)’ (Euro 1.026.000).
* PRIN: Progetti di Ricerca di Interesse nazionale – Bando 2022, Prot. 2022WMAT29: ‘Precision drug targeting of high risk relapsing childhood acute lymphoblastic leukemia’ Role of Coordinator (Euro 122.702 for the Unit; total Euro 318.950). Granted, to be started.

Completed:

* Italian Association for Cancer Research (AIRC) – 2019-2023 - Childhood Acute Lymphoblastic Leukemia: a path back, from genetic predisposition through pre-leukemia (Euro 687.000).
* TRANSCAN-2 JTC 2017\_Quant-ALL-0622: ‘Automated, absolute quantification of MRD in ALL patients by droplet microfluidics, single DNA copy barcoding and IG/TR amplicon NGS’. PI Unit: G.Cazzaniga (Euro 250.000).
* H2020-MSCA-ITN-2018- Proposal number: 813091: ARCH: Age-Related Changes in Hematopoiesis. PI: Antonella Ronchi (Unimib, Milano, IT); PI Unit: G.Cazzaniga (Euro 252.500)
* Italian Association for Cancer Research (AIRC) – 2016-2018 - A comprehensive sequencing platform for precision medicine in childhood acute lymphoblastic leukemia
* Italian Association for Cancer Research (AIRC) – 2013-2015 -Next Generation Sequencing to improve diagnostics and molecular dissection of childhood leukemia
* Fondazione Cariplo - 2011-2013 - Identification and functional characterization of new risk factors in childhood acute lymphoblastic leukemia.
* Italian Association for Cancer Research (AIRC) – 2010-2012 - High throughput sequencing for dissecting the complexity of childhood ALL.
* Italian Association for Cancer Research (AIRC) – 2007-2009 - Identification of new genomic lesions in childhood ALL with “normal karyotype” by a comprehensive approach.

As ‘Head of Unit’:

* Fight Kids Cancer - Project Number: 22-FKC-21. Project Title: Finding a cure for MLL-rearranged infant acute lymphoblastic leukaemia (Cure2MLL). 2022-23. PI Unit: G.Cazzaniga (Euro 60.000).
* COST Action OC-2016-2-21584 (Call OC-2016-2). PI: Esme Wanders (Utrecht, NL) Leukemia GENe Discovery by data sharing, mining and collaboration (LEGEND). Italian Member: G.Cazzaniga

As ‘Collaborator’:

* Transcan - European Union, FP7 - PI Unit:Andrea Biondi: Validation of the impact of genetic aberrations and host genetic variation in childhood acute lymphoblastic leukemia for integration into clinical practice (Euro 261.884)
* Marie Curie Initial Training Networks (ITN) - Call: FP7-PEOPLE-2011-ITNEuropean Union, FP7 – PI: Antonella Ronchi (Unimib, IT); PI Unit: Andrea Biondi: Hem\_Id - HEMatopoietic cell Identity, genetic and epigenetic regulation in normal and malignant hematopoiesis.
* FP7-HEALTH-F2-2011 Contract no. 261474 - European Union, FP7 - PI Andrea Biondi: ENCCA - European Network for Cancer Research in Children and Adolescents.
* Italian Association for Cancer Research, Fondazione Cariplo, Italian Ministry of University and Research - PI Andrea Biondi: several peer reviewed grants in the last 15 years.

**SOCIETIES**

* Member of the Italian Society of Human Genetics (SIGU)
* Member of the Italian Association of Familial and Hereditary Tumors (AIFET)
* Member of the American Society of Hematology (ASH)
* Member of the European Society of Hematology (EHA)
* Member of the Italian Association of Pediatric Hemato-Oncology (AIEOP)
* Member of the Italian Society of Experimental Hematology (SIES)
* Board Member of the European Study Group for Minimal Residual Disease in Acute Lymphoblastic Leukemia (ESG-MRD ALL)
* Member of the Steering Committee of the Euroclonality-NGS Group.

**COLLABORATIVE PROGRAMS**

2018- now JakNet - Italian network on Ph negative Myeloproliferative Disorders.

2018- now LabNet AML- Italian network on Acute Myeloid Leukemia.

2016-now Campus ALL – Italian network on diagnosis, prognosis and treatment of ALL.

2015-now I-BFM Genetic Variation Task Force. Network on genetic predisposition to leukemia.

2013-now LabNet CML - Italian network on Cronic Myeloid Leukemia

2013-now EuroClonality-NGS Consortium on Next-Generation Sequencing for IG/TR immunogenetic analysis.

2008-now European Study Group on MRD detection in ALL (ESG-MRD-ALL). Standardization and Quality Control of RQ-PCR for BCR/ABL1 and ABL1 mutations.

2002-now European Study Group on MRD detection in ALL (ESG-MRD-ALL). Standardization and Quality Control of Clonality analysis and RQ-PCR for IG/TR.

2000-now MRD-Task Force: Report, Quality Control and Research Projects within the running childhood ALL therapeutic protocol in Italy, Germany, Austria (AIEOP-BFM ALL2000).

1999-now International-BFM Study Group. Biology and Diagnosis Committee.

2016-2021 COST Action OC-2016-2-21584 (Call OC-2016-2). PI: Esme Wanders (Utrecht, NL) Leukemia GENe Discovery by data sharing, mining and collaboration (LEGEND). Italian Member.

1999-2002 Standardization and quality control studies of 'real-time' quantitative reverse transcriptase polymerase chain reaction of fusion gene transcripts for residual disease detection in leukemia - A Europe Against Cancer Program.

1995-1998 BIOMED-1 Concerted Action: investigation of minimal residual disease in acute leukemia.

* “Standardized RT-PCR analysis of fusion gene transcripts from chromosome aberrations in acute leukemia for detection of minimal residual disease”.
* “Primers and protocols for standardized detection of minimal residual disease in acute lymphoblastic leukemia using immunoglobulin and T cell receptor gene rearrangements and TAL1 deletions as PCR targets”.

**EDITORIAL ACTIVITIES**

Journal Board

* Associate Editor of the session on Pediatric Hematology and Hematological Malignancies, within Frontiers in Pediatrics.

Referee

* Reviewer of Nature Genetics, New England Journal of Medicine, Blood, Leukemia, Haematologica-The Hematology Journal, Leukemia Research, Leukemia and Lymphoma, Advances in Hematol, Ped Hematol Oncol, Ped Reports, Ped Blood and Cancer, and others.
* Reviewer of International Grant programs, member of the Scientific Committee of the Italian Association for Cancer Research (AIRC) for evaluation of Investigator Grants.
* Abstracts Reviewer for the American Society of Hematology, European Hematology Association and ESLHO meetings.

**PUBLICATIONS / INDEXES**

* Number of total publications in peer-review journals: *274 (including 11 reviews and 3 book chapters)*
* H-Index: 73 (Google Scholar, 07/03/2024)
* Total number of citations: 25185 (Google Scholar, 07/03/2024)
* The ASN 2023-2025 simulation gave positive results for the roles of ‘Full Professor and Committee member’.

I herewith authorize to process my personal data in accordance to Italian D.Lgs. 2018/101 and GDPR (Regulation EU 2016/679).

Monza, 07/03/2024

Giovanni Cazzaniga

**PUBLICATIONS**

1. Terao M, **Cazzaniga G**, Ghezzi P, Bianchi M, Falciani F, Perani P, Garattini E. Molecular cloning of a cDNA coding for mouse liver xanthine dehydrogenase. Regulation of its transcript by interferons in vivo. *Biochem J* 1992 May 1;283 (Pt 3):863-70
2. Falciani F, Ghezzi P, Terao M, **Cazzaniga G**, Garattini E. Interferons induce xanthine dehydrogenase gene expression in L929 cells.  *Biochem J* 1992 Aug 1;285 ( Pt 3):1001-8
3. Falciani F, Terao M, Goldwurm S, Ronchi A, Gatti A, Minoia C, Li Calzi M, Salmona M, **Cazzaniga G**, Garattini E. Molybdenum(VI) salts convert the xanthine oxidoreductase apoprotein into the active enzyme in mouse L929 fibroblastic cells. *Biochem J* 1994 Feb 15;298 (Pt 1):69-77
4. **Cazzaniga G**, Terao M, Lo Schiavo P, Galbiati F, Segalla F, Seldin MF, Garattini E. Chromosomal mapping, isolation, and characterization of the mouse xanthine dehydrogenase gene. *Genomics* 1994 Sep 15;23(2):390-402
5. Li Calzi M, Raviolo C, Ghibaudi E, de Gioia L, Salmona M, **Cazzaniga G**, Kurosaki M, Terao M, Garattini E. Purification, cDNA cloning, and tissue distribution of bovine liver aldehyde oxidase.  *J Biol Chem* 1995 Dec 29;270(52):31037-45

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1. Bertoni F, **Cazzaniga G**, Bosshard G, Roggero E, Barbazza R, De Boni M, Capella C, Pedrinis E, Cavalli F, Biondi A, Zucca E. Immunoglobulin heavy chain diversity genes rearrangement pattern indicates that MALT-type gastric lymphoma B cells have undergone an antigen selection process. *Br J Haematol* 1997 Jun;97(4):830-6
2. Caslini C, Spinelli O, **Cazzaniga G**, Golay J, De Gioia L, Pedretti A, Breviario F, Amaru R, Barbui T, Biondi A, Introna M, Rambaldi A. Identification of two novel isoforms of the ZNF162 gene: a growing family of signal transduction and activator of RNA proteins. *Genomics* 1997 Jun 1;42(2):268-77
3. Borkhardt A,\***Cazzaniga G**,\* Viehmann S, Valsecchi MG, Ludwig WD, Burci L, Mangioni S, Schrappe M, Riehm H, Lampert F, Basso G, Masera G, Harbott J, Biondi A. Incidence and clinical relevance of TEL/AML1 fusion genes in children with acute lymphoblastic leukemia enrolled in the German and Italian multicenter therapy trials. Associazione Italiana Ematologia Oncologia Pediatrica and the Berlin-Frankfurt-Munster Study Group. *Blood* 1997 Jul 15;90(2):571-7 \*(equal contributors)
4. Tosi S, Mosna G, **Cazzaniga G**, Giudici G, Kearney L, Biondi A, Privitera E. Unbalanced t(3;12) in a case of juvenile myelomonocytic leukemia (JMML) results in partial trisomy of 3q as defined by FISH. *Leukemia* 1997 Sep;11(9):1465-8
5. Biondi A, **Cazzaniga G.** Gli errori della trascrizione nella patologia molecolare della leucemia. Prospettive in Pediatria, 1997, 27:349-356. (*Italian language*)

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1. Zucca E, Bertoni F, Roggero E, **Cazzaniga G**, Bosshard G, Biondi A, Cavalli F. Autoreactive B cell clones in marginal-zone B cell lymphoma (MALT lymphoma) of the stomach.  *Leukemia* 1998 Feb;12(2):247-9
2. Zucca E, Bertoni F, Roggero E, Bosshard G, **Cazzaniga G**, Pedrinis E, Biondi A, Cavalli F. Molecular analysis of the progression from Helicobacter pylori-associated chronic gastritis to mucosa-associated lymphoid-tissue lymphoma of the stomach. *N Engl J Med* 1998 Mar 19;338(12):804-10
3. Tosi S, Giudici G, Mosna G, Harbott J, Specchia G, Grosveld G, Privitera E, Kearney L, Biondi A, **Cazzaniga G.**Identification of new partner chromosomes involved in fusions with the ETV6 (TEL) gene in hematologic malignancies. *Genes Chromosomes Cancer* 1998 Mar;21(3):223-9
4. van Dongen JJ, Seriu T, Panzer-Grumayer ER, Biondi A, Pongers-Willemse MJ, Corral L, Stolz F, Schrappe M, Masera G, Kamps WA, Gadner H, van Wering ER, Ludwig WD, Basso G, de Bruijn MA, **Cazzaniga G**, Hettinger K, van der Does-van den Berg A, Hop WC, Riehm H, Bartram CR. Prognostic value of minimal residual disease in acute lymphoblastic leukaemia in childhood.  *Lancet* 1998 Nov 28;352(9142):1731-8

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1. Lo Nigro L, **Cazzaniga G**, Di Cataldo A, Pannunzio A, D'Aniello E, Masera G, Schiliro G, Biondi A. Clonal stability in children with acute lymphoblastic leukemia (ALL) who relapsed five or more years after diagnosis. *Leukemia* 1999 Feb;13(2):190-5
2. Chase A, Reiter A, Burci L, **Cazzaniga G**, Biondi A, Pickard J, Roberts IA, Goldman JM, Cross NC. Fusion of ETV6 to the caudal-related homeobox gene CDX2 in acute myeloid leukemia with the t(12;13)(p13;q12). *Blood* 1999 Feb 1;93(3):1025-31
3. Arosio C, Fossati L, Vigano M, Trombini P, **Cazzaniga G**, Piperno A. Hereditary hyperferritinemia cataract syndrome: a de novo mutation in the iron responsive element of the L-ferritin gene.*Haematologica* 1999 Jun;84(6):560-1
4. Wiemels J,\***Cazzaniga G**,\* Daniotti M., Eden T., Masera G., Biondi A. and Greaves M. Pre-natal origin of acute lymphoblastic leukemia in children. *The Lancet*, 1999, 354: 1499-503. \*(equal contributors)
5. **Cazzaniga G.**, S. Tosi, A. Aloisi, G. Giudici, M. Daniotti, P. Pioltelli, L Kearney and A. Biondi. The tyrosine kinase *Abl*-related gene *ARG* is fused to *ETV6* in an AML-M4Eo patient with a t(1;12)(q25;p13): molecular cloning of both reciprocal transcripts. *Blood. 1999;94:4370-3.*
6. Bertoni F., Zucca E., Genini D., **Cazzaniga G.**, Roggero E., Ghielmini M., Cavalli F., and Biondi A. Immunoglobulin light chain kappa deletion rearrangement as a marker of clonality in mantle-cell lymphoma..*Leuk Lymphoma. 1999;36:147-50.*
7. **Cazzaniga G**, Gottardi E, Volpe G, Toiron Y, Waronko A, Biondi A, Saglio G, Gabert JA. t(12;21)(p13;q22) with the TEL-AML1 fusion gene. in van Dongen JJ et al. Standardized RT-PCR analysis of fusion gene transcripts from chromosome aberrations in acute leukemia for detection of minimal residual disease. Report of the BIOMED-1 Concerted Action: investigation of minimal residual disease in acute leukemia. Leukemia. 1999;13:1901-28.

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1. Bertoni F, Sanna P, Tinguely M, Roggero E, Conconi A, Gisi M, **Cazzaniga G**, Biondi A, Pedrinis E, Cavalli F, Zucca E. Association of gastric and Waldeyer's ring lymphoma: a molecular study. *Hematol Oncol*. 2000 Mar;18(1):15-9.
2. De Zen L, Orfao A, **Cazzaniga G**, Masiero L, Cocito MG, Spinelli M, Rivolta A, Biondi A, Zanesco L, Basso G. Quantitative multiparametric immunophenotyping in acute lymphoblastic leukemia: correlation with specific genotype. I. ETV6/AML1 ALLs identification. *Leukemia*. 2000 Jul;14(7):1225-31.
3. Wiemels JL, Alexander FE, **Cazzaniga G**, Biondi A, Mayer SP, Greaves M. Microclustering of TEL-AML1 translocation breakpoints in childhood acute lymphoblastic leukemia. *Genes Chromosomes Cancer*. 2000 Nov;29(3):219-28.
4. Tosi S, Harbott J, Teigler-Schlegel A, Haas OA, Pirc-Danoewinata H, Harrison CJ, Biondi A, **Cazzaniga G**, Kempski H, Scherer SW, Kearney L. t(7;12)(q36;p13), a new recurrent translocation involving ETV6 in infant leukemia. *Genes Chromosomes Cancer*. 2000 Dec;29(4):325-32.

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1. **Cazzaniga G**, Daniotti M, Tosi S, Giudici G, Aloisi A, Pogliani E, Kearney L, Biondi A. The paired box domain gene PAX5 is fused to ETV6/TEL in an acute lymphoblastic leukemia case. *Cancer Res*. 2001 Jun 15;61(12):4666-70.
2. Eckert C, Biondi A, Seeger K, **Cazzaniga G**, Hartmann R, Beyermann B, Pogodda M, Proba J, Henze G. Prognostic value of minimal residual disease in relapsed childhood acute lymphoblastic leukaemia. *Lancet*. 2001 Oct 13;358(9289):1239-41.
3. Bellavia D, Campese AF, Checquolo S, Balestri A, Biondi A, **Cazzaniga G**, Lendahl U, Fehling HJ, Hayday AC, Frati L, von Boehmer H, Gulino A, Screpanti I. Combined expression of pTalpha and Notch3 in T cell leukemia identifies the requirement of preTCR for leukemogenesis. *Proc Natl Acad Sci U S A*. 2002 Mar 19;99(6):3788-93.
4. Bertoni F, Conconi A, Capella C, Motta T, Giardini R, Ponzoni M, Pedrinis E, Novero D, Rinaldi P, **Cazzaniga G**, Biondi A, Wotherspoon A, Hancock BW, Smith P, Souhami R, Cotter FE, Cavalli F, Zucca E. Molecular follow-up in gastric mucosa-associated lymphoid tissue lymphomas: early analysis of the LY03 cooperative trial. *Blood*. 2002 Apr 1;99(7):2541-4.
5. **Cazzaniga G**, Rossi V, Biondi A. Monitoring minimal residual disease using chromosomal translocations in childhood ALL. *Best Pract Res Clin Haematol*. 2002 Mar;15(1):21-35. (review)
6. Carlotti E, Pettenella F, Amaru R, Slater S, Lister TA, Barbui T, Basso G, **Cazzaniga G**, Rambaldi A, Biondi A. Molecular characterization of a new recombination of the SIL/TAL-1 locus in a child with T-cell acute lymphoblastic leukaemia. *Br J Haematol*. 2002 Sep;118(4):1011-8.
7. **Cazzaniga G**, Lanciotti M, Rossi V, Di Martino D, Arico M, Valsecchi MG, Basso G, Masera G, Micalizzi C, Biondi A. Prospective molecular monitoring of BCR/ABL transcript in children with Ph+ acute lymphoblastic leukaemia unravels differences in treatment response. Br J Haematol. 2002 Nov;119(2):445-53.
8. **Cazzaniga G**, d'Aniello E, Corral L, Biondi A. Results of minimal residual disease (MRD) evaluation and MRD-based treatment stratification in childhood ALL. Best Pract Res Clin Haematol. 2002;15:623-38. (review)

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1. Corti P, Bonanomi S, Vallinoto C, Balduzzi A, Uderzo C, **Cazzaniga G**, Gaipa G, Dassi M, Perseghin P, Rovelli A. Rituximab for immune hemolytic anemia following T- and B-Cell-depleted hematopoietic stem cell transplantation. Acta Haematol. 2003;109:43-5.
2. Arrigoni P, Beretta C, Silvestri D, Rossi V, Rizzari C, Valsecchi MG, **Cazzaniga G**, Biondi A. FLT3 internal tandem duplication in childhood acute myeloid leukaemia: association with hyperleucocytosis in acute promyelocytic leukaemia. Br J Haematol. 2003;120:89-92.
3. van der Velden VH, Hochhaus A, **Cazzaniga G**, Szczepanski T, Gabert J, van Dongen JJ. Detection of minimal residual disease in hematologic malignancies by real-time quantitative PCR: principles, approaches, and laboratory aspects. Leukemia. 2003 Jun;17(6):1013-34. (review)
4. Germano G, del Giudice L, Palatron S, Giarin E, **Cazzaniga G**, Biondi A, Basso G. Clonality profile in relapsed precursor-B-ALL children by GeneScan and sequencing analyses. Consequences on minimal residual disease monitoring.Leukemia. 2003 Aug;17(8):1573-82.
5. Gunby RH, **Cazzaniga G**, Tassi E, Le Coutre P, Pogliani E, Specchia G, Biondi A, Gambacorti-Passerini C. Sensitivity to imatinib but low frequency of the TEL/PDGFRb fusion protein in chronic myelomonocytic leukemia. Haematologica. 2003;88:408-15.
6. Tosi S, Hughes J, Scherer SW, Nakabayashi K, Harbott J, Haas OA, **Cazzaniga G**, Biondi A, Kempski H, Kearney L. Heterogeneity of the 7q36 breakpoints in the t(7;12) involving ETV6 in infant leukemia. Genes Chromosomes Cancer. 2003;38:191-200.
7. Scrideli CA, **Cazzaniga G**, Fazio G, Pirola L, Callegaro A, Bassan R, Rambaldi A, Nigro LL, Basso G, Masera G, Biondi A. Gene expression profile unravels significant differences between childhood and adult Ph+ acute lymphoblastic leukemia. Leukemia. 2003;17:2234-2237.
8. **Cazzaniga G**, Gaipa G, Rossi V and Biondi A. Minimal residual disease as a surrogate marker for risk assignment to ALL patients. Rev Clin Exp Hematol. 2003;7:292-323 (review)
9. Eckert C, Scrideli CA, Taube T, Songia S, Wellmann S, Manenti M, Seeger K, Biondi A, **Cazzaniga G**. Comparison between TaqMan and LightCycler technologies for quantification of minimal residual disease by using immunoglobulin and T-cell receptor genes consensus probes. Leukemia. 2003;17:2517-24.
10. Gabert J, Beillard E, Van Der Velden VH, Bi W, Grimwade D, Pallisgaard N, Barbany G, **Cazzaniga G**, Cayuela JM, Cave H, Pane F, Aerts JL, De Micheli D, Thirion X, Pradel V, Gonzalez M, Viehmann S, Malec M, Saglio G, Van Dongen JJ. Standardization and quality control studies of 'real-time' quantitative reverse transcriptase polymerase chain reaction of fusion gene transcripts for residual disease detection in leukemia - A Europe Against Cancer Program. Leukemia 2003;17:2318-57.

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