

Giuseppe Gaipa
Centro Ricerca M. Tettamanti
Clinica Pediatrica Università Milano Bicocca
Via Pergolesi, 33 20052 Monza , (MB)
Tel. +39-039-233.3661
e-mail: g.gaipa@hsgerardo.org

CURRICULUM VITAE

Cognome e Nome	Gaipa Giuseppe
Data e luogo di nascita	28 Gennaio 1961, Milano
Cittadinanza	Italiana
Titoli di studio	
1991	Diploma di laurea in Scienze Biologiche presso l'Università degli Studi di Milano votazione: 103/110
1993	Abilitazione all'esercizio della professione (Università degli Studi di Milano), iscrizione all'albo Nazionale dei Biologi.
Esperienze professionali	
1992/1995	Borsista presso il Laboratorio di Ricerche Cliniche Anatomia e Istologia Patologica "Istituti Clinici di Perfezionamento", Milano.
1998	Special Fellowship presso Department of Hematology/Oncology St. Jude Children's Research Hospital, Memphis, TN, USA
1995/2005	Responsabile unità di Citometria presso il Centro di Ricerca M. Tettamanti, Clinica Pediatrica Università Milano – Bicocca, Ospedale S. Gerardo, Monza (MI)
2000	Master Europeo in Studi Avanzati di Immunologia (SAI) presso L'Università degli Studi Milano-Bicocca e Istituto Pasteur Parigi.
2000	Membro della Cinical Cytometry Society (CCS)
2003	Dottorato di Ricerca in Emato-oncologia Pediatrica, aspetti clinico-biologici, presso la Clinica Pediatrica Università Milano – Bicocca, Ospedale S. Gerardo, Monza (MI)
2004-2005	Responsabile controllo qualità presso il <i>Laboratorio di Terapia Cellulare e Genica "Stefano Verri"</i> Università' di Milano – Bicocca, Ospedale S. Gerardo, Monza (MI)
2007-2010	Responsabile Assicurazione Qualità presso il <i>Laboratorio di Terapia Cellulare "Stefano Verri"</i> Università' di Milano – Bicocca, Ospedale S. Gerardo, Monza (MI).
2000-2010	Responsabile Unità di Citofuorimetria e Cell Sorting, Centro Ricerca M. Tettamanti–Ospedale S. Gerardo, Monza (MI).

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Principali campi di interesse professionale

- Caratterizzazione immunologica delle leucemie acute e monitoraggio della malattia residua minima mediante tecniche di citometria a flusso.
- Studio dei meccanismi di traduzione del segnale nelle sindromi mieloproliferative e nelle leucemie acute mieloidi mediante tecniche di citometria a flusso.
- Terapia Cellulare in onco-ematologia pediatrica ed in medicina rigenerativa.

Elenco delle pubblicazioni scientifiche:

1. Risk of relapse of childhood acute lymphoblastic leukemia is predicted by flow cytometric measurement of residual disease on day 15 bone marrow. Basso G, Veltroni M, Valsecchi MG, Dworzak MN, Ratei R, Silvestri D, Benetello A, Buldini B, Maglia O, Masera G, Conter V, Arico M, Biondi A, Gaipa G. *J Clin Oncol.* 2009 Nov 1;27(31):5168-74. Epub 2009 Oct 5.
2. GMP-based CD133(+) cells isolation maintains progenitor angiogenic properties and enhances standardization in cardiovascular cell therapy. Gaipa G, Tilenni M, Straino S, Burba I, Zaccagnini G, Belotti D, Biagi E, Valentini M, Perseghin P, Parma M, Di Campli C, Biondi A, Capogrossi MC, Pompilio G, Pesce M.
3. A case of Philadelphia Positive Acute Lymphoblastic Leukaemia with three different phenotypic lineage, each one presenting the same BCR-ABL hybrid transcript. Parma M, Colnaghi F, Colombo A, Elli E, Rossi F, Gaipa G, Rossi V, Casaroli I, Biondi A, Pogliani EM. *Leuk Res.* 2009 Nov;33(11):e175-7. Epub 2009 May 23. No abstract available.
4. Regulatory T cells and extracorporeal photochemotherapy: correlation with clinical response and decreased frequency of proinflammatory T cells. Di Biaso I, Di Maio L, Bugarin C, Gaipa G, Dander E, Balduzzi A, Parma M, D'Amico G, Perseghin P, Biondi A, Biagi E. *Transplantation.* 2009 May 15;87(9):1422-5.
5. Monitoring treatment response of childhood precursor B-cell acute lymphoblastic leukemia in the AIEOP-BFM-ALL 2000 protocol with multiparameter flow cytometry: predictive impact of early blast reduction on the remission status after induction. Ratei R, Basso G, Dworzak M, Gaipa G, Veltroni M, Rhein P, Biondi A, Schrappe M, Ludwig WD, Karawajew L. *Leukemia.* 2008 Nov 20.
6. Aberrant GM-CSF signal transduction pathway in juvenile myelomonocytic leukemia assayed by flow cytometric intracellular STAT5 phosphorylation measurement. Gaipa G, Bugarin C, Longoni D, Cesana S, Molteni C, Faini A, Timeus F, Zecca M, Biondi A. *Leukemia.* 2008 Oct 2.
7. CD20 up-regulation in pediatric B-cell precursor acute lymphoblastic leukemia during induction treatment: setting the stage for anti-CD20 directed immunotherapy. Dworzak MN, Schumich A, Printz D, Pötschger U, Husak Z, Attarbaschi A, Basso G, Gaipa G, Ratei R, Mann G, Gadner H. *Blood.* 2008 Nov 15;112(10):3982-8. Epub 2008 Sep 9.
8. Standardization of flow cytometric minimal residual disease evaluation in acute lymphoblastic leukemia: Multicentric assessment is feasible. Dworzak MN, Gaipa G, Ratei R, Veltroni M, Schumich A, Maglia O, Karawajew L, Benetello A, Pötschger U, Husak Z, Gadner H, Biondi A, Ludwig WD, Basso G. *Cytometry B Clin Cytom.* 2008 Nov;74(6):331-40.
9. Isolation of monocytes from leukapheretic products for large-scale GMP-grade generation of cytomegalovirus-specific T-cell lines by means of an automated elutriation device. Perseghin P, D'Amico G, Dander E, Gaipa G, Dassi M, Biagi E, Biondi A. *Transfusion.* 2008 Aug;48(8):1644-9. Epub 2008 May 29.

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10. Prednisone induces immunophenotypic modulation of CD10 and CD34 in nonapoptotic B-cell precursor acute lymphoblastic leukemia cells. Gaipa G, Basso G, Aliprandi S, Migliavacca M, Vallinoto C, Maglia O, Faini A, Veltroni M, Husak D, Schumich A, Ratei R, Biondi A, Dworzak MN; I-BFM-ALL-FCM-MRD-Study Group. *Cytometry B Clin Cytom.* 2008 May;74(3):150-5.
11. GMP-grade preparation of biomimetic scaffolds with osteo-differentiated autologous mesenchymal stromal cells for the treatment of alveolar bone resorption in periodontal disease. Salvadè A, Belotti D, Donzelli E, D'Amico G, Gaipa G, Renoldi G, Carini F, Baldoni M, Pogliani EM, Tredici G, Biondi A, Biagi E. *Cytotherapy.* 2007;9(5):427-38.
12. Extracorporeal photochemotherapy is accompanied by increasing levels of circulating CD4+CD25+GITR+Foxp3+CD62L+ functional regulatory T-cells in patients with graft-versus-host disease. Biagi E, Di Biaso I, Leoni V, Gaipa G, Rossi V, Bugarin C, Renoldi G, Parma M, Balduzzi A, Perseghin P, Biondi A. *Transplantation.* 2007 Jul 15;84(1):31-9.
13. Repeated infusions of donor-derived cytokine-induced killer cells in patients relapsing after allogeneic stem cell transplantation: a phase I study. Introna M, Borleri G, Conti E, Franceschetti M, Barbui AM, Broady R, Dander E, Gaipa G, D'Amico G, Biagi E, Parma M, Pogliani EM, Spinelli O, Baronciani D, Grassi A, Golay J, Barbui T, Biondi A, Rambaldi A. *Haematologica.* 2007 Jul;92(7):952-9.
14. Cazzaniga G, Gaipa G, Rossi V, Biondi A. Monitoring of minimal residual disease in leukemia, advantages and pitfalls. *Ann Med.* 2006;38(7):512-21. Review.
15. Perseghin P, Gaipa G, Dassi M, Belotti D, Pogliani EM, Pioltelli P, Balduzzi A, Rovelli A, Uderzo C, Biondi A. CD34+ stem cell recovery after positive selection of "overloaded" immunomagnetic columns. *Stem Cells Dev.* 2005 14(6):740-3
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17. Reconstitution of lymphocyte subpopulations in children with inherited metabolic storage diseases after haematopoietic cell transplantation. *Br J Haematol.* 2005 Jul;130(2):249-55.
18. Gaipa G, Basso G, Maglia O, Leoni V, Faini A, Cazzaniga G, Bugarin C, Veltroni M, Michelotto B, Ratei R, Coliva T, Valsecchi MG, Biondi A, Dworzak MN; I-BFM-ALL-FCM-MRD Study Group. Drug-induced immunophenotypic modulation in childhood ALL: implications for minimal residual disease detection. *Leukemia.* 2005 Jan;19(1):49-56.
19. Beretta C, Gaipa G, Rossi V, Bernasconi S, Spinelli O, Dell'Oro MG, Rizzari C, Rambaldi A, Biondi A, Cazzaniga G. Development of a quantitative-PCR method for specific FLT3/ITD monitoring in acute myeloid leukemia. *Leukemia.* 2004 Aug;18(8):1441-4.
20. Cazzaniga G, Gaipa G, Rossi V, Biondi A. Minimal residual disease as a surrogate marker for risk assignment to ALL patients. *Rev Clin Exp Hematol.* 2003 Sep;7(3):292-323. Review.
21. Dworzak MN, Froschl G, Printz D, Zen LD, Gaipa G, Ratei R, Basso G, Biondi A, Ludwig WD, Gadner H. CD99 expression in T-lineage ALL: implications for flow cytometric detection of minimal residual disease. *Leukemia.* 2004 Apr;18(4):703-8.
22. Bonamino M, Serafini M, D'Amico G, Gaipa G, Todisco E, Bernasconi S, Golay J, Biondi A, Introna M. Functional transfer of CD40L gene in human B-cell precursor ALL blasts by second-generation SIN lentivectors. *Gene Ther.* 2004 Jan;11(1):85-93.
23. Veltroni M, De Zen L, Sanzari MC, Maglia O, Dworzak MN, Ratei R, Biondi A,

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24. Basso G, Gaipa G; I-BFM-ALL-FCM-MRD-Study Group. Expression of CD58 in normal, regenerating and leukemic bone marrow B cells: implications for the detection of minimal residual disease in acute lymphocytic leukemia. *Haematologica*. 2003 Nov;88(11):1245-52.
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33. Lucio P, Gaipa G, van Lochem EG, van Wering ER, Porwit-MacDonald A, Faria T, Bjorklund E, Biondi A, van den Beemd MW, Baars E, Vidriales B, Parreira A, van Dongen JJ, San Miguel JF, Orfao A; BIOMED-I. BIOMED-I concerted action report: flow cytometric immunophenotyping of precursor B-ALL with standardized triple-stainings. BIOMED-1 Concerted Action Investigation of Minimal Residual Disease in Acute Leukemia: International Standardization and Clinical Evaluation. *Leukemia*. 2001 Aug;15(8):1185-92.
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e-mail: g.gaipa@hsgerardo.org

bone marrow as a basis for the diagnosis and follow-up of T cell acute lymphoblastic leukemia (T-ALL). *Leukemia*. 2000 May;14(5):816-25.

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39. Balduzzi A, Corral L, Gaipa G, Germano G, Giudici G, Cantu'-Rajoldi A, Biondi A. Molecular assessment of clonality in a pre-B ALL unusually relapsing as a mature-B ALL. *Leukemia*. 1999 Dec;13(12):2114-6..
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