



Alice Bertaina MD, PhD

Lorry I. Lokey Professor

Pediatrics - Stem Cell Transplantation

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

300 Pasteur Dr Rm H320

Stanford, CA 94305

Tel (650) 497-2447 **Fax** (650) 724-1164

ACADEMIC CONTACT INFORMATION

• Administrative Associate

Elizabeth Alarcon

Email elarcon@stanford.edu

Tel 650-725-9250

Bio

BIO

Dr. Alice Bertaina completed her MD degree at the University of Pavia in Italy, her fellowship in hematopoietic stem cell transplantation (HSCT) at the Bambino Gesù Children's Hospital in Rome, and her PhD degree in Immunology and Biotechnology at Tor Vergata University in Rome. Until joining Stanford University in 2017, she was Head of the Stem Cell Transplant Unit in the Department of Hematology and Oncology at the Bambino Gesù Children's Hospital in Rome (this institution currently has the largest number of children transplanted with hematopoietic progenitors/stem cells in Europe).

Dr. Bertaina is an expert in the field of allogeneic HSCT in pediatric patients affected by hematological malignancies or nonmalignant disorders. In particular, she has pioneered the novel approach of graft manipulation based on the physical elimination of alfa/beta T cells and B cells. Dr. Bertaina has excellent clinical and biological expertise, as demonstrated by her publications in the field of pediatric hematology and oncology. Moreover, she is expert in different aspects of immunological reconstitution of children given an allograft of hematopoietic stem cell, paying particular attention to innate immunity.

CLINICAL FOCUS

- Pediatric Stem Cell Transplantation
- Graft engineering
- Pediatric Hematology-Oncology

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Pediatrics - Stem Cell Transplantation
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Medicine Children's Health Center for IBD and Celiac Disease
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Co-Director, Bass Center for Childhood Cancer and Blood Diseases, Lucile Packard Children's Hospital, Stanford University, CA, USA, (2020-present)
- Section Chief, Stem Cell Transplant and Regenerative Medicine, Lucile Packard Children's Hospital, Stanford University, CA, USA, (2020- present)
- Medical Director of Inpatient Services, Lucile Packard Children's Hospital, Stanford University, CA, USA, (2019- present)
- Head of Stem Cell Transplant Unit, Department of Hematology and Oncology, Bambino Gesù Children's Hospital Rome, Italy, (2013-2017)
- Physician Assistant and Researcher, Department of Hematology and Oncology, Bambino Gesù Children's Hospital, Rome, Italy, (2010-2013)
- Residency in Pediatrics, Pediatric Hematology and Oncology, Fondazione IRCCS Policlinico San Matteo, Pavia, Italy, (2008-2010)
- Medical and Research Fellowship, Department of Pediatrics, Fondazione IRCCS Policlinico San Matteo, Pavia, Italy, (2004-2008)

HONORS AND AWARDS

- Lorry Lokey Faculty Scholar, Stanford University School of Medicine (2019-)
- Press release 'alfa/beta T-cell depleted haplo-transplant in children with acute leukemia', 55th ASH Meeting, Engineering Cell Therapies Press Program, New Orleans (December 2013)
- Abstract Travel Award 'Identification of deregulated microRNAs in JMML', 2016 International JMML Symposium, San Diego (December 2016)
- Invited to participate in the Annual National Ceremony for Cancer Research, Palazzo del Quirinale, By Invitation from the President of the Italian Republic (October 2015)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, ISCT Stem Cell Engineering Committee (2020 - present)
- Member, Child Health Research Institute Stanford (CHRI) (2017 - present)
- Member, Italian Group for Bone Marrow Transplantation (2017 - present)
- Chair, Paediatric transplantation Session, EBMT 43 rd Annual Meeting, Marseille, France, March 26-29, 2017 (2017 - 2017)
- Member, GITMO project entitled '3 Steps', aiming at defining strategies of prophylaxis and treatment of veno-occlusive disease in transplant recipients (2016 - present)
- Member, Inborn Errors Working Group, EBMT. (2016 - present)
- Peer Reviewed Journal Reviewer, Blood Clinical Cancer Research Frontiers in Immunology BBMT BMT Oncoimmunology Haematologica (2016 - present)
- Peer Reviewed Journal Reviewer, Bone Marrow Transplantation (2015 - present)
- Head, HSCT Working Party Group of AIEOP (Italian Association of Pediatric Hematology and Oncology) (2015 - 2017)
- Board Member, EBMT PDWP (European Society for Blood and Marrow Transplantation Pediatric Disease Working Party) (2014 - 2017)
- Member, American Society of Hematology (2013 - present)
- Member, Comitato per il Controllo delle Infezioni Ospedaliere (CCIO) at the OPBG, Rome (2011 - 2017)
- Member, Associazione Italiana di Ematologia ed Oncologia Pediatrica (2010 - present)
- Member, European Society for Blood and Marrow Transplantation (2010 - present)

PROFESSIONAL EDUCATION

- Board Certification: Internal Medicine, Ordine dei Medici Chirurghi e degli Odontoiatri della provincial di Pavia (2006)
- Fellowship: Ospedale Bambino Gesù' (2013) Italy
- Residency: University of Pavia (2010) Italy
- Medical Education: University of Pavia (2005) Italy
- PhD, Tor Vergata University , Immunology and Biotechnology (2013)
- Residency in Pediatrics, University of Pavia, Pavia, Italy , Thesis title: "NK-alloreactivity and outcome of pediatric patients with acute leukemia given an HLA-haploidentical stem cell transplantation" under Prof. Franco Locatelli supervision (2010)

- Post-graduate fellowship, Bambino Gesù Children's Hospital, Rome, Italy , Hematopoietic Stem Cell Transplantation (basic and applied research) (2010)
- Medical Degree, University of Pavia, Pavia, Italy , Thesis title: "Human Metapneumovirus II in acute pediatric respiratory infection: epidemiology, clinical picture and diagnosis" (2005)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Bertaina is a highly experienced clinician and will play a key role in supporting Section Chief Dr. Rajni Agarwal and Clinical Staff in the Stem Cell Transplant Unit at Lucile Packard Children's Hospital. She will also continue her research on immune recovery and miRNA, understanding the mechanisms underlying immune reconstitution, Graft-versus-Host Disease (GvHD), and leukemia relapse after allogeneic HSCT in pediatric patients affected by hematological malignant and non-malignant disorders.

CLINICAL TRIALS

- AlloHSCT From HLA-PartialMatchDonor After TCR AB+TCells/CD19+B CellDepletion in HematologicalDisordrs, Recruiting
- BMT 390 aB-depleted-HSCT-KT, Recruiting
- Kamau SCD (BMT 368) - (GENE TRANSFER), Recruiting
- Phase 1a/1b T-Allo10 Infusion After HSCT in Peds & Young Adults Affected by Hematologic Malignancies, Recruiting
- Expanded Access CaspaCIDE TCeLls in HLA-Partial Match Related Donor in Hematological &Other Disorder, Not Recruiting
- KIR-favorably Mismatched Haploidentical Transplantation &KIR-Polymorphisms in ALL/AML/MDS Having HCT, Not Recruiting
- Phase I T-allo10 Cell Infusions + Mismatched Related or Unrelated HSCT in Hematologic Malignancies, Not Recruiting
- Safety Study of Gene Modified Donor T-cells Following TCRαβ+ Depleted Stem Cell Transplant, Not Recruiting
- Phase I First-in-Human GDX012 in Minimal Residual Disease (MRD) Positive Acute Myeloid Leukemia, Not Specified

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Eric Russ, Wenjun Wang

Publications

PUBLICATIONS

- **Impact of acute GvHD severity on survival and disease relapse in pediatric patients undergoing allogeneic stem cell transplantation for acute lymphoblastic leukemia: an analysis based on the EBMT-PDWP registry.** *Bone marrow transplantation*
Szmit, Z., Lucchini, G., Bertaina, A., Galimard, J. E., Dalle, J. H., Locatelli, F., Taskinen, M., Mirci-Danicar, O., Sedlacek, P., Balduzzi, A., Ghemlas, I., Styczynski, J., Kitra-Roussou, et al
2026
- **Model-Based ATG Dosing Optimization in Ab Haplo-HSCT: Improved Pre-HSCT Exposure Consistency and Viral Infection Analysis**
Shyr, D. C., Hiroshima, L., John, T. D., Barbarito, G., Agarwal, R., Alexander, J. L., Shah, A. J., Li, T., Chang, I., Arreola, V., Boelens, J., Bertaina, A.
ELSEVIER SCIENCE INC.2026
- **Role of BM and PB Next Generation Sequencing (NGS) MRD Vs. BM Multichannel Flow Cytometry (MFC) MRD Pre/Post-Allogeneic HCT in Predicting Outcomes for Children and Young Adults (CAYA) with B-ALL: Planned Analysis of the Ptctc ONC1401 Trial**
Johnson, A. K., Zhao, Y., Qiao, X., Dolan, G., Berghuijs, K., Talano, J. A., Kitko, C. L., Chaudhury, S., Dvorak, C. C., Lalefar, N., Bunin, N. J., Kapoor, N., Anderson, et al
ELSEVIER SCIENCE INC.2026: S106-S101
- **T-allo10 Cell Adback Post-Abdepleted-HSCT Drives Lasting Leukemia-Free Survival with Distinct Immune Regulation Biomarkers**

Bertaina, A., Bacchetta, R., Shyr, D. C., Saini, G., Lee, J., Agarwal, R., Klein, O. R., Wang, G., Margittai-Gotesman, D., Al Dakheel, A., Barbarito, G., Oppizzi, L., Limaye, et al
ELSEVIER SCIENCE INC.2026: S99

- **Interplay between acute graft-versus-host disease and graft-versus-leukemia effect in pediatric acute myeloid leukemia patients undergoing allogeneic hematopoietic stem cell transplantation: implications for relapse incidence and survival - an EBMT PDWP retrospective study.** *Bone marrow transplantation*
Bertaina, A., Maffei, M., Lucchini, G., Galimard, J. E., Dalissier, A., Kleinschmidt, K., Ansari, M., Benakli, M., Mirci-Danicar, O. C., Pagliara, D., Dalle, J. H., Al Ahmari, A., Skorobogatova, et al
2025
- **Novel humanized loss-of-function NF1 mouse model of juvenile myelomonocytic leukemia.** *Blood advances*
Sinha, R., Patil, R. V., Romano, R., Sharma, D., Lee, E., Perriman, R., Takeda, S., Lesch, B. J., Yao, Z., Liu, Y. L., Cromer, M. K., Porteus, M. H., Bertaina, et al
2025
- **THERAPEUTIC DOSES OF T-ALLO10 IMMUNOTHERAPY POST-ABDEPLETED HSCT ENHANCE IMMUNE RECONSTITUTION AND ACHIEVE 100% LEUKEMIA-FREE SURVIVAL IN PEDIATRIC AND YOUNG ADULT PATIENTS WITH HEMATOLOGIC MALIGNANCIES**
Bertaina, A., Bacchetta, R., Cepika, A., Shyr, D., Barbarito, G., Oppizzi, L., Chen, P., Saini, G., Lee, J., Kristovich, K., Agarwal, R., Klein, O., Melsop, et al
SPRINGER NATURE.2025: 74-75
- **PREDICTORS FOR THYMIC RECONSTITUTION AFTER PEDIATRIC AND YOUNG ADULT HCT: A MULTICENTER ANALYSIS**
Velardi, E., McAvoy, D., Kunstek, H., Barbarito, G., Taviani, A., Galaverna, F., Klein, E., Lucas, A., de Koning, C., Hosszu, K., Bertaina, A., Nierkens, S., Locatelli, et al
SPRINGER NATURE.2025: 666-667
- **PROTECTIVE ROLE OF NAIVE VD2 GD T-CELL AGAINST RELAPSE IN ABHAPLO-HSCT**
Barbarito, G., Louis, D. M., Oppizzi, L., Chang, I., Yuan, M., Takeda, S., Parkman, R., Bertaina, A.
SPRINGER NATURE.2025: 667-668
- **DISTINCT IMMUNE RECONSTITUTION PATTERNS CORRELATE WITH OUTCOMES FOLLOWING PEDIATRIC AB T-CELL/CD19 B-CELL DEPLETED HAPLOIDENTICAL HSCT**
Oppizzi, L., Barbarito, G., Limaye, A., Chang, I., Yuan, M., Weinberg, K., Parkman, R., Bertaina, A.
SPRINGER NATURE.2025: 670-671
- **Pre-transplant CAR T-cell therapy is associated with inferior survival and increased non-relapse mortality in pediatric B-ALL: A single-center retrospective analysis**
Chok, R., Huang, M., Aftandilian, C., Schultz, L., Shyr, D., Lacayo, N., Shah, A., Saab, R., Gruber, T., Mackall, C., Bertaina, A., Davis, K., Klein, et al
ELSEVIER.2025: 6077-6078
- **Hematopoietic stem cell transplantation using briquilimab (Anti-CD117 Antibody-Conditioning), immunosuppression and TCRαβ+ T-cell/CD19+B-cell depleted haploidentical grafts in patients with fanconi anemia: An approach without irradiation, busulfan and calcineurin inhibitors.**
Agarwal, R., Bertaina, A., Soco, C., Long-Boyle, J., Saini, G., Kunte, N., Hiroshima, L., Chan, Y., Willner, H., Krampf, M., Van Hentenryck, M., Perriman, R., Istomina, et al
ELSEVIER.2025: 2432-2433
- **ALLOGENEIC TRANSPLANTATION: DISEASE RESPONSE AND COMPARATIVE TREATMENT STUDIES**
Johnson, A., Zhao, Y., Qiao, X., Dolan, J., Berghuijs, K., Talano, J., Kitko, C., Chaudhury, S., Dvorak, C., Lalefar, N., Bunin, N., Kapoor, N., Anderson, et al
ELSEVIER.2025: 511-512
- **Harmonized Immune Recovery Monitoring after HCT: Evidence & Practical Guidance from the Westhafen Intercontinental Group.** *Blood advances*
Hammoudi, T., Nucera, S., Troullioud Lucas, A. G., Ansari, M., Balduzzi, A. C., Bertaina, A., Buechner, J., Corbacioglu, S., Dalle, J. H., Kalkwak, K., Lee, D. A., Levine, J. E., Lindemans, et al
2025
- **Irradiation- and busulfan-free stem cell transplantation in Fanconi anemia using an anti-CD117 antibody: a phase 1b trial.** *Nature medicine*
Agarwal, R., Bertaina, A., Soco, C., Long-Boyle, J. R., Saini, G., Kunte, N., Hiroshima, L., Chan, Y. Y., Willner, H., Krampf, M. R., Nofal, R., Barbarito, G., Sen, et al

2025

- **Navigating Challenges of aGvHD Predictive Biomarkers in α haplo-HSCT Recipients: Still Waiting for MAGIC to Happen.** *Immunology letters*
Montiel-Esparza, R., Hawes, I., Perriman, R., Barbarito, G., Oppizzi, L., Shyr, D., Kent, L., Yao, Z., Bertaina, A.
2025: 107062
- **Immune Monitoring after Cell Therapy and Hematopoietic Cell Transplantation: Guidelines by the ISCT Stem Cell Engineering Committee.** *Cytotherapy*
Oppizzi, L., Hosszu, K., Prockop, S., Bidgoli, A., Bonfim, C., Ciccocioppo, R., Ruggeri, A., Maiers, M., Bertaina, A., Boelens, J. J.
2025
- **IMPACT OF AGE AND ACUTE GVHD ON THYMIC RECONSTITUTION POST-HCT: INSIGHTS FROM MULTICENTER IMMUNE MONITORING OF PEDIATRIC AND YOUNG ADULT PATIENTS**
Mcavoy, D., Velardi, E., Kunstek, H., Barbarito, G., Taviani, A., Galaverna, F., Klein, E., Lucas, A., de Koning, C., Hosszu, K., Bertaina, A., Nierkens, S., Boelens, et al
ELSEVIER SCI LTD.2025
- **Targeted Delivery of Mesenchymal Stromal Cells (MSCs) for Refractory Gastrointestinal Graft-versus-Host Disease after allogeneic hematopoietic stem cell transplantation (HSCT): A Novel Intraarterial Approach**
Alexander, J., John, T., Shyr, D. C., Callard, E., Klein, O., Asistores, C., Hiroshima, L., Chok, R., Siddiqui, A., McLeod, M., Saini, G., Goodwin, E., Wolf, et al
ELSEVIER SCI LTD.2025
- **SPECIFIC IMMUNE RECONSTITUTION TRENDS PREDICT OUTCOMES FOLLOWING PEDIATRIC α T-CELL/CD19 B-CELL DEPLETED HAPLOIDENTICAL HSCT**
Oppizzi, L., Barbarito, G., Limaye, A., Chang, I., Yuan, M., Yao, Z., Weinberg, K., Parkman, R., Bertaina, A.
ELSEVIER SCI LTD.2025
- **Restrictive Defibrotide Prophylaxis Guidelines Decrease Expenditure and Do Not Affect Clinical Outcomes in Pediatric Patients at High Risk of VenoOcclusive Disease**
Hiroshima, L., Chok, R., Asistores, C., Boehlke, K., Chong, A., Klein, O. R., Bertaina, A., Shyr, D. C.
ELSEVIER SCIENCE INC.2025: S544-S545
- **Meeting Report: The Sixth International Sam Strober Workshop on Clinical Immune Tolerance.** *Transplantation*
Stark, H., Ho, Q. Y., Cross, A., Alessandrini, A., Bertaina, A., Brennan, D., Busque, S., Demetris, A., Devey, L., Fruhwirth, G., Fuchs, E., Friend, P., Geissler, et al
2025
- **Evaluation of Bone Marrow in Fanconi Anemia Patients Treated with Briquilimab Antibody-Based Conditioning and TCR $\alpha\beta$ B-Cell Depleted Haploidentical Grafts**
Soco, C., Krampf, M. R., Chan, Y., Hoang, H., Kunte, N., Saini, G., Weinberg, K. I., Parkman, R., Bertaina, A., Agarwal, R., Porteus, M., Czechowicz, A. D.
ELSEVIER.2024: 2015-2016
- **T-allo10 Immunotherapy Results in Enhanced Early Immune Reconstitution and Reduced GvHD with Excellent Clinical Outcomes Post α -Depleted HSCT in Pediatric and Young Adult Hematologic Malignancy Patients**
Bertaina, A., Bacchetta, R., Cepika, A., Shyr, D. C., Barbarito, G., Oppizzi, L., Chen, P., Saini, G., Lee, J., Kristovich, K., Agarwal, R., Klein, O., Melsop, et al
ELSEVIER.2024: 3525-3526
- **Effect of Rabbit ATG PK on Outcomes after TCR- $\alpha\beta$ /CD19-depleted Pediatric Haploidentical HCT for Hematologic Malignancy.** *Blood advances*
Dvorak, C. C., Long-Boyle, J. R., Holbrook-Brown, L., Abdel-Azim, H., Bertaina, A., Vatsayan, A., Talano, J. A., Bunin, N. J., Anderson, E. J., Flower, A., Lalefar, N. R., Higham, C. S., Kapoor, et al
2024
- **International Society for Cell & Gene Therapy Stem Cell Engineering Committee report on the current state of hematopoietic stem and progenitor cell-based genomic therapies and the challenges faced.** *Cytotherapy*
Gupta, A. O., Azul, M., Bhoopalan, S. V., Abraham, A., Bertaina, A., Bidgoli, A., Bonfim, C., DeZern, A., Li, J., Louis, C. U., Purtill, D., Ruggeri, A., Boelens, et al
2024

- **GENETIC ENGINEERING OF GAMMA DELTA (118)T CELLS WITH THE IL-2 CYTOKINE RECEPTOR ORTHOGONAL PAIR (OIL-2R/OIL-2) AS IMMUNOTHERAPY FOR PEDIATRIC ACUTE MYELOID LEUKEMIA (AML)**
Wang, W., Barbarito, G., Su, L., Yao, Z., Bertaina, A.
ELSEVIER SCI LTD.2024: S13-S14
- **Model based ATG in $\alpha\beta$ haplo-HSCT facilitates engraftment, expedites T-cell recovery, and mitigates the risk of acute GvHD.** *Transplantation and cellular therapy*
Giulia, B., Lyndsie, H., Linda, O., Gopin, S., Karen, K., Orly, K., Kinga, H., Kylan, B., Aditi, G., Devin, M., David, S., Jan, B. J., Alice, et al
2024
- **Extracellular release of mitochondria induced by pre-hematopoietic stem cell transplant conditioning exacerbates GVHD.** *Blood advances*
Vijayan, V., Yan, H., Lohmeyer, J. K., Prentiss, K. A., Patil, R. V., Barbarito, G., Lopez, I., Elezaby, A., Peterson, K., Baker, J., Ostberg, N. P., Bertaina, A., Negrin, et al
2024
- **Molecular and functional identification of unstable regulatory and autoreactive effector T cells that are expanded in patients with FOXP3 mutation**
Borna, S., Lee, E., Nideffer, J., Ramachandran, A., Wang, B., Mavers, M., Narula, M., Garrett, A., Schulze, J., Marois, L., Gernez, Y., Bathia, M., Chong, et al
ACADEMIC PRESS INC ELSEVIER SCIENCE.2024
- **Advancements in $\gamma\delta$ T cell engineering: paving the way for enhanced cancer immunotherapy.** *Frontiers in immunology*
Yuan, M., Wang, W., Hawes, I., Han, J., Yao, Z., Bertaina, A.
2024; 15: 1360237
- **Vaccine Associated Measles Complicated by Suspected Measles Inclusion Body Encephalitis in a Pediatric Leukemia Patient and Stem Cell Transplant Recipient: A Focus on Clinical Evolution and Management.** *The Pediatric infectious disease journal*
Kushner, L. E., Kamens, J., Bertaina, A., Shyr, D., Gans, H. A.
2024
- **Strategic infection prevention after genetically modified hematopoietic stem cell therapies: recommendations from the International Society for Cell & Gene Therapy Stem Cell Engineering Committee.** *Cytotherapy*
John, T. D., Maron, G., Abraham, A., Bertaina, A., Bhoopalan, S. V., Bidgoli, A., Bonfim, C., Coleman, Z., DeZern, A., Li, J., Louis, C., Oved, J., Pavel-Dinu, et al
2024
- **Identification of unstable regulatory and autoreactive effector T cells that are expanded in patients with FOXP3 mutations.** *Science translational medicine*
Borna, Š., Lee, E., Nideffer, J., Ramachandran, A., Wang, B., Baker, J., Mavers, M., Lakshmanan, U., Narula, M., Garrett, A. K., Schulze, J., Olek, S., Marois, et al
2023; 15 (727): eadg6822
- **Stem cell transplantation for ALL: you've always got a donor, why not always use it?** *Hematology. American Society of Hematology. Education Program*
Shyr, D., Davis, K. L., Bertaina, A.
2023; 2023 (1): 84-90
- **Engineering the best transplant outcome for high-risk acute myeloid leukemia: the donor, the graft and beyond.** *Cytotherapy*
Belbachir, S., Abraham, A., Sharma, A., Prockop, S., DeZern, A. E., Bonfim, C., Bidgoli, A., Li, J., Ruggeri, A., Bertaina, A., Boelens, J. J., Purtill, D.
2023
- **Longitudinal Clinical Data Improves Survival Prediction after Hematopoietic Cell Transplantation Using Machine Learning.** *Blood advances*
Zhou, Y., Smith, J., Keerthi, D., Li, C., Sun, Y., Mothi, S. S., Shyr, D., Spitzer, B., Harris, A. C., Chatterjee, A., Chatterjee, S., Shouval, R., Naik, et al
2023
- **Radiation and Busulfan-Free Hematopoietic Stem Cell Transplantation Using Briquilimab (JSP191) Anti-CD117 Antibody-Conditioning, Transient Immunosuppression and TCR $\alpha\beta$ + T-Cell/CD19+B-Cell Depleted Haploidentical Grafts in Patients with Fanconi Anemia**
Agarwal, R., Bertaina, A., Soco, C., Saini, G., Kunte, N., Hiroshima, L., Chan, Y., Willner, H., Krampf, M. L., Nofal, R., Barbarito, G., Sen, S., Felber, et al
AMER SOC HEMATOLOGY.2023

- **Towards Automated Engineering of Donor-Derived T Lymphocytes into CRISPR/Cas9-Mediated CAR T Cells in a Closed-System**
Oseghale, A., Bertaina, A., Porteus, M.
AMER SOC HEMATOLOGY.2023
- **Targeting of CD25+Activated T Cells in Gvhd-Associated Marrow Suppression and Cytopenias**
John, T. D., Valine, L., Barbarito, G., Kwon, H., Arai, S., Martin-Kool, B., Kumari, R., Shizuru, J., Oak, J. S., Parkman, R., Bertaina, A., Weinberg, K. I.
AMER SOC HEMATOLOGY.2023
- **Extracellular Release of Damaged Mitochondria Induced By Cytotoxic Conditioning Exacerbates Graft-Versus-Host Disease**
Vijayan, V., Yan, H., Lohmeyer, J., Prentiss, K., Patil, R., Barbarito, G., Lopez, I., Elezaby, A., Peterson, K., Baker, J., Ostberg, N., Bertaina, A., Negrin, et al
AMER SOC HEMATOLOGY.2023
- **T-ALLO10 INFUSION AFTER A.DEPLETED-HSCT IN CHILDREN AND YOUNG ADULTS WITH HEMATOLOGIC MALIGNANCIES: IMPROVED IMMUNE RECONSTITUTION IN THE ABSENCE OF SEVERE GVHD**
Bertaina, A., Bacchetta, R., Shyr, D., Saini, G., Lee, J., Kristovich, K., Agarwal-Hashmi, R., Klein, O., Melsop, K., Tate, K., Barbarito, G., Oppizzi, L., Chen, et al
SPRINGER NATURE.2023: 232-234
- **Epigenetic Profiling of PTPN11 Mutant JMML Hematopoietic Stem and Progenitor Cells Reveals an Aberrant Histone Landscape.** *Cancers*
Sinha, R., Dvorak, M., Ganesan, A., Kalesinskas, L., Niemeyer, C. M., Flotho, C., Sakamoto, K. M., Lacayo, N., Patil, R. V., Perriman, R., Cepika, A. M., Liu, Y. L., Kuo, et al
2023; 15 (21)
- **Effect of Testicular Boost in Children With Leukemia Receiving Total Body Irradiation and Stem Cell Transplant: A Single-Institution Experience.** *Advances in radiation oncology*
Blomain, E. S., Jiang, A., Donaldson, S. S., Agarwal, R., Bertaina, A., Shyr, D., Eisenberg, M. L., Hoppe, R. T., Hiniker, S. M., Oh, J.
2023; 8 (1): 101071
- **Immunosuppression and recurrence free parental donor kidney transplant in patient with previous graft loss secondary to recurrent FSGS using prospective a/b T cell, CD19 depleted haploidentical parental stem cell transplant**
Grimm, P., Wong, C., Goldstein-Fuchs, D., Chaudhuri, A., James, G., Boyd, D., Good, J., Woo, M., Gallo, A., Bertaina, A.
SPRINGER.2023: 2332
- **Precision Delivery of Steroids as a Rescue Therapy for Gastrointestinal Graft-versus-Host Disease in Pediatric Stem Cell Transplant Recipients.** *Journal of clinical medicine*
Levitte, S., Ganguly, A., Frolik, S., Guevara-Tique, A. A., Patel, S., Tadas, A., Klein, O., Shyr, D., Agarwal-Hashmi, R., Beach, L., Callard, E., Weinacht, K., Bertaina, et al
2023; 12 (13)
- **CLONAL ANALYSIS OF IMMUNE RECONSTRUCTION POST $\alpha\beta$ HAPLO-HSCT**
Barbarito, G., Louis, D. M., Patil, R., Sinha, R., Oppizzi, L., Yao, Z., Weinberg, K., Parkman, R., Bertaina, A.
ELSEVIER SCI LTD.2023: S213-S214
- **T-ALLO10 INFUSION AFTER ABDEPLETED-HSCT IN CHILDREN AND YOUNG ADULTS WITH HEMATOLOGIC MALIGNANCIES: IMPROVED IMMUNE RECONSTITUTION IN THE ABSENCE OF SEVERE GVHD**
Bertaina, A., Bacchetta, R., Shyr, D. C., Saini, G., Lee, J., Kristovich, K., Agarwal, R., Klein, O., Melsop, K., Tate, K., Barbarito, G., Oppizzi, L., Chen, et al
ELSEVIER SCI LTD.2023: S123-S124
- **Viral-specific T cells for Cytomegalovirus retinitis following hematopoietic stem cell transplantation: A success story.** *Pediatric blood & cancer*
Montiel-Esparza, R., Michalak, S. M., Le, A. H., Or, C., Nguyen, Q. D., Khoury, R., Grimley, M. S., Bertaina, A., Klinger, E., Shah, A. J., Wood, E. H.
2023: e30429
- **International society for cell & gene therapy stem cell engineering committee: Cellular therapies for the treatment of graft-versus-host-disease after hematopoietic stem cell transplant.** *Cytotherapy*
Garcia-Rosa, M., Abraham, A., Bertaina, A., Bhoopalan, S. V., Bonfim, C., Cohen, S., DeZern, A., Louis, C., Oved, J., Pavel-Dinu, M., Purtill, D., Ruggeri, A., Russell, et al
2023

- **Transplant for non-malignant disorders: an International Society for Cell & Gene Therapy Stem Cell Engineering Committee report on the role of alternative donors, stem cell sources and graft engineering.** *Cytotherapy*
Klein, O. R., Bonfim, C., Abraham, A., Ruggeri, A., Purtill, D., Cohen, S., Wynn, R., Russell, A., Sharma, A., Ciccocioppo, R., Prockop, S., Boelens, J. J., Bertaina, et al
2023
- **Effect of Testicular Boost in Children With Leukemia Receiving Total Body Irradiation and Stem Cell Transplant: A Single-Institution Experience** *ADVANCES IN RADIATION ONCOLOGY*
Blomain, E. S., Jiang, A., Donaldson, S. S., Agarwal, R., Bertaina, A., Shyr, D., Eisenberg, M. L., Hoppe, R. T., Hiniker, S. M., Oh, J.
2023; 8 (1)
- **EXTRACELLULAR MITOCHONDRIA EXACERBATE GRAFT-VERSUS-HOST DISEASE MORTALITY IN A MOUSE MODEL**
Vijayan, V., Yan, H., Lohmeyer, J., Peterson, K., Harden, J., Patil, R., Barbarito, G., Bertaina, A., Negrin, R., Mochly-Rosen, D., Weinberg, K., Haileselassie, B.
LIPPINCOTT WILLIAMS & WILKINS.2023: 640
- **Precision Delivery of Steroids as a Rescue Therapy for Gastrointestinal Graft-versus-Host Disease in Pediatric Stem Cell Transplant Recipients** *Journal of Clinical Medicine*
Levitte, s., Ganguly, A., Frolik, S., Guevara-Tique, A., et al
2023; 12 (4229)
- **EXTRACELLULAR MITOCHONDRIA EXACERBATE GRAFT-VERSUS-HOST DISEASE MORTALITY IN A MOUSE MODEL**
Vijayan, V., Yan, H., Lohmeyer, J., Peterson, K., Harden, J., Patil, R., Barbarito, G., Bertaina, A., Negrin, R., Mochly-Rosen, D., Weinberg, K., Haileselassie, B.
LIPPINCOTT WILLIAMS & WILKINS.2023: 640
- **Believe in haploidentical HSCT: less is better.** *Blood*
Bertaina, A.
2022; 140 (24): 2523-2524
- **Novel Humanized Loss-of-Function NF1 Mouse Model of Juvenile Myelomonocytic Leukemia**
Sinha, R., Patil, R., Romano, R., Lee, E., Yao, Z., Liu, Y., Porteus, M. H., Bertaina, A.
AMER SOC HEMATOLOGY.2022: 9765-9766
- **Impact of acute GVHD on survival and disease relapse in paediatric patients undergoing allogeneic stem cell transplantation for acute lymphoblastic leukaemia: an EBMT registry-based analysis**
Lucchini, G., Bertaina, A., Galimard, J. E., Kalwak, K., Dalle, J., Locatelli, F., Taskinen, M., Mirci-Danicar, O., Sedlacek, P., Balduzzi, A., Ghemlas, I., Styczynski, J., Kitra-Roussou, et al
SPRINGER NATURE.2022: 87-88
- **MATCHING BEYOND THE HLA NAME: A NEW CLASSIFICATION OF HLA-ALLELE MISMATCHES BASED ON PEPTIDE BINDING PROFILE**
Osoegawa, K., Fernandez-Vina, M., Cunanan, K., Spellman, S., Bertaina, A., Fernandez-Vina, M.
ELSEVIER SCIENCE INC.2022: 31
- **Volumetric Modulated Arc Therapy Total Body Irradiation (VMAT-TBI) in Pediatric and Adolescent/Young Adult Patients Undergoing Stem Cell Transplantation: Early Outcomes and Toxicities**
Hui, C., Marquez, C., Simiele, E. A., Blomain, E., Oh, J., Bertaina, A., Klein, O., Shyr, D., Jiang, A., Hoppe, R. T., Kovalchuk, N., Hiniker, S. M.
ELSEVIER SCIENCE INC.2022: S123
- **Matching beyond the HLA name: a new classification of HLA-allele mismatches based on peptide binding profile**
Bertaina, A., Osoegawa, K., Cunanan, K. M., Spellman, S., Fernandez-Vina, M.
SPRINGER NATURE.2022: 94
- **Role of acute GVHD in paediatric patients undergoing allogeneic stem cell transplantation for acute myeloid leukaemia: an imperfect balance**
Lucchini, G., Bertaina, A., Galimard, J. E., Benakli, M., Kalwak, K., Dalle, J. H., Danicar, O., Ayas, M., Locatelli, F., Skorobogatova, E., Bertrand, Y., Styczynski, J., Tbakhi, et al
SPRINGER NATURE.2022: 88
- **Sequential Stem Cell-Kidney Transplantation in Schimke Immuno-osseous Dysplasia Reply** *NEW ENGLAND JOURNAL OF MEDICINE*
Bertaina, A., Grimm, P. C., Weinberg, K.

2022; 387 (9): 860

- **Sequential Stem Cell-Kidney Transplantation in Schimke Immuno-osseous Dysplasia. Reply.** *The New England journal of medicine*
Bertaina, A., Grimm, P. C., Weinberg, K.
2022; 387 (9): 860
- **Sequential Stem Cell-Kidney Transplantation in Schimke Immuno-osseous Dysplasia.** *The New England journal of medicine*
Bertaina, A., Grimm, P. C., Weinberg, K., Parkman, R., Kristovich, K. M., Barbarito, G., Lippner, E., Dhamdhere, G., Ramachandran, V., Spatz, J. M., Fathallah-Shaykh, S., Atkinson, T. P., Al-Uzri, et al
2022; 386 (24): 2295-2302
- **Viral infection in hematopoietic stem cell transplantation: an International Society for Cell & Gene Therapy Stem Cell Engineering Committee review on the role of cellular therapy in prevention and treatment.** *Cytotherapy*
Stanojevic, M., Bertaina, A., Bonfim, C., Ciccocioppo, R., Cohen, S., Purtill, D., Ruggieri, A., Russell, A., Sharma, A., Wynn, R., Boelens, J. J., Prockop, S., Abraham, et al
2022
- **Role of Cytokine Secretion Signatures of Donor-derived T Cells and Recipient Serum Cytokine Profiles as Predictive Biomarkers of Acute Graft-Versus-Host Disease in alpha beta T-cell/CD19 B-cell Depleted Hematopoietic Stem Cell Transplant Pediatric Recipients**
Montiel-Esparza, R., Barbarito, G., Patil, R., Shyr, D., Saini, G., Parkman, R., Liu, Y., Bertaina, A.
WILEY.2022
- **POTENTIAL BIOMARKERS OF ACUTE GVHD IN ALPHA/BETA T-CELL/B-CELL DEPLETED HSCT PEDIATRIC RECIPIENTS**
Montiel-Esparza, R., Barbarito, G., Patil, R., Parkman, R., Liu, Y., Bertaina, A.
WILEY.2022
- **BENCH TO BEDSIDE: ENGINEERED AUTOLOGOUS CD4(LVFOXP3) TREG-LIKE CELL PRODUCT FOR PHASE 1 STUDY IN PATIENTS WITH IPEX SYNDROME**
Nathan, A., Sato, Y., Tate, K., Wani, P., Terry, C., Fazeli, F., Bouge, A., Goodwin, E., Wright, J., Bertaina, A., Klein, O., Agarwal, R., Roncarolo, et al
ELSEVIER SCI LTD.2022: S144
- **Matching beyond the HLA name: A new classification of HLA-allele mismatches based on peptide binding profile**
Osoegawa, K., Cunanan, K., Spellman, S., Bertaina, A., Fernandez-Vina, M. A.
WILEY.2022: 436
- **INVESTIGATION APPROACH TO IMPROVE PURITY IN DEPLETED CELLULAR THERAPY PRODUCTS**
Pham, T., Sukle, N., McLeod, M. G., Beltran, J., Kim, Y., Habib, M., Patel, S., Amiri, Z., Kim, J., Bertaina, A., McIntyre, C.
ELSEVIER SCI LTD.2022: S192
- **Volumetric modulated arc therapy total body irradiation in pediatric and adolescent/young adult patients undergoing stem cell transplantation: Early outcomes and toxicities.** *Pediatric blood & cancer*
Marquez, C., Hui, C., Simiele, E., Blomain, E., Oh, J., Bertaina, A., Klein, O., Shyr, D., Jiang, A., Hoppe, R. T., Kovalchuk, N., Hiniker, S. M.
2022: e29689
- **Loss of Treg identity in IPEX patients is associated with increase autoreactivity in Teff cells**
Borna, S., Lee, E., Lakshmanan, U., Narula, M., Schulze, J., Ramachandran, A., Bertaina, A., Meffre, E., Maria, R., Bacchetta, R.
SPRINGER/PLENUM PUBLISHERS.2022: S78-S79
- **An ISCT Stem Cell Engineering Committee Position Statement on Immune Reconstitution: the importance of predictable and modifiable milestones of immune reconstitution to transplant outcomes.** *Cytotherapy*
Bertaina, A., Abraham, A., Bonfim, C., Cohen, S., Purtill, D., Ruggieri, A., Weiss, D., Wynn, R., Boelens, J. J., Prockop, S., ISCT Committee on Stem Cell Engineering
2022; 24 (4): 385-392
- **Sequential hematopoietic stem cell transplantation (HSCT) followed by kidney transplant-3 children who received ABT-cell/CD19 B-cell depleted HSCT followed by kidney transplant from same parental donor are rejection free and immunosuppression free with donor specific tolerance > 1year post kidney transplant**
Grimm, P., Lewis, D. B., Al-Uzri, A., Fathallah-Shaykh, S., Shah, A., Agarwal, R., Weinberg, K. I., Gallo, A., Concepcion, W., Bertaina, A.
WILEY.2022

- **Curative therapy for hemoglobinopathies: an International Society for Cell & Gene Therapy Stem Cell Engineering Committee review comparing outcomes, accessibility and cost of ex vivo stem cell gene therapy versus allogeneic hematopoietic stem cell transplantation.** *Cytotherapy*
Leonard, A., Bertaina, A., Bonfim, C., Cohen, S., Prockop, S., Purtill, D., Russell, A., Boelens, J. J., Wynn, R., Ruggeri, A., Abraham, A.
2021
- **Aberrant Histone Landscape in Juvenile Myelomonocytic Leukemia**
Sinha, R., Dvorak, M., Niemeyer, C. M., Sakamoto, K. M., Patil, R., Jutz, P., Liu, Y., Kuo, A., Bertaina, A.
AMER SOC HEMATOLOGY.2021
- **The Determinative Role of Hematopoietic Stem and Progenitor Cell Graft Composition on the Engraftment Kinetics after HSCT**
Barbarito, G., Dejene, B., Saini, G., Patil, R., Shyr, D. C., Parkman, R., Bertaina, A., Weinberg, K. I.
AMER SOC HEMATOLOGY.2021: 1794-+
- **Combinatorial Cytokine Secretion Signature of Donor-Derived T Cells Infused with the Graft: A New Potential Biomarker of Acute Graft-Versus-Host Disease in ss t-Cell/CD19 B-Cell Depleted Hematopoietic Stem Cell Transplant Recipients**
Montiel-Esparza, R., Barbarito, G., Peck, S., Bazzano, M., Patil, R., Shyr, D. C., Saini, G., Parkman, R., Liu, Y., Bertaina, A.
AMER SOC HEMATOLOGY.2021
- **Functional Immune Tolerance Induced By Sequential Hematopoietic Stem Cell-Solid Organ Transplantation**
Bertaina, A., Barbarito, G., Ramachandran, V. V., Kristovich, K., Lippner, E., Fathallah-Shaykh, S., Al-Uzri, A., Shah, A. J., Aubert, G., Slepicka, P., Oppizzi, L., Agarwal, R., Roncarolo, et al
AMER SOC HEMATOLOGY.2021: 1818-+
- **Impact of Testicular Boost on Oncologic Outcomes and Late Effects in Pediatric Patients With Leukemia Receiving Fractionated Total Body Irradiation (TBI): A Single-Institution Experience.** *International journal of radiation oncology, biology, physics*
Blomain, E., Jiang, A., Donaldson, S. S., Agarwal, R., Bertaina, A., Shyr, D., Shin, D. H., Hoppe, R. T., Hiniker, S. M.
2021; 111 (3S): e177
- **Impact of Testicular Boost on Oncologic Outcomes and Late Effects in Pediatric Patients With Leukemia Receiving Fractionated Total Body Irradiation (TBI): A Single-Institution Experience**
Blomain, E., Jiang, A., Donaldson, S. S., Agarwal, R., Bertaina, A., Shyr, D., Shin, D. H., Hoppe, R. T., Hiniker, S. M.
ELSEVIER SCIENCE INC.2021: E177
- **Alloantigen-specific type 1 regulatory T cells suppress through CTLA-4 and PD-1 pathways and persist long-term in patients.** *Science translational medicine*
Chen, P. P., Cepika, A., Agarwal-Hashmi, R., Saini, G., Uyeda, M. J., Louis, D. M., Cieniewicz, B., Narula, M., Amaya Hernandez, L. C., Harre, N., Xu, L., Thomas, B. C., Ji, et al
2021; 13 (617): eabf5264
- **Impact of treosulfan exposure on early and long-term clinical outcome in pediatric allogeneic HSCT recipients: a prospective multicenter study.** *Transplantation and cellular therapy*
van der Stoep, M. Y., Bertaina, A., Moes, D. J., Algeri, M., Bredius, R. G., Smiers, F. J., Berghuis, D., Buddingh, E. P., Mohseny, A. B., Guchelaar, H., Locatelli, F., Zwaveling, J., Lankester, et al
2021
- **Engineered type 1 regulatory T cells designed for clinical use kill primary pediatric acute myeloid leukemia cells** *HAEMATOLOGICA*
Cieniewicz, B., Uyeda, M., Chen, P., Sayitoglu, E., Liu, J., Andolfi, G., Greenthal, K., Bertaina, A., Gregori, S., Bacchetta, R., Lacayo, N., Cepika, A., Roncarolo, et al
2021; 106 (10): 2588-2597
- **Outcomes of pediatric patients with therapy-related myeloid neoplasms.** *Bone marrow transplantation*
Sharma, A., Huang, S., Li, Y., Brooke, R. J., Ahmed, I., Allewelt, H. B., Amrolia, P., Bertaina, A., Bhatt, N. S., Bierings, M. B., Bies, J., Brisset, C., Brondon, et al
2021
- **Correction: Myeloablative conditioning for allo-HSCT in pediatric ALL: FTBI or chemotherapy?-A multicenter EBMT-PDWP study.** *Bone marrow transplantation*
Willasch, A. M., Peters, C., Sedlacek, P., Dalle, J., Kitra-Roussou, V., Yesilipek, A., Wachowiak, J., Lankester, A., Prete, A., Hamidieh, A. A., Ifversen, M., Buechner, J., Krivan, et al
2021

- **Standardizing Definitions of Hematopoietic Recovery, Graft Rejection, Graft Failure, Poor Graft Function, and Donor Chimerism in Allogeneic Hematopoietic Cell Transplantation: A Report on Behalf of the American Society for Transplantation and Cellular Therapy.** *Transplantation and cellular therapy*
Kharfan-Dabaja, M. A., Kumar, A., Ayala, E., Aljurf, M., Nishihori, T., Marsh, R., Burroughs, L. M., Majhail, N., Al-Homsi, A. S., Al-Kadhimi, Z. S., Bar, M., Bertaina, A., Boelens, et al
2021; 27 (8): 642-649
- **SEQUENTIAL HEMATOPOIETIC STEM CELL AND KIDNEY TRANSPLANTATION IN SCHIMKE IMMUNO-OSSEOUS DYSPLASIA: TOWARDS A MODEL FOR ESTABLISHING FUNCTIONAL IMMUNE TOLERANCE FOR SOLID ORGAN TRANSPLANTATION**
Bertaina, A., Grimm, P., Kristovich, K., Barbarito, G., Lippner, E., Fathallah-Shaykh, S., Al-Uzri, A., van der Elst, K., Agarwal, R., Selpicka, P., Shah, A., Weinberg, K., Parkman, et al
ELSEVIER SCI LTD.2021: S136
- **Adoptively Transferred, In Vitro-Generated Alloantigen-Specific Type 1 Regulatory T (Tr1) Cells Persist Long-Term In Vivo**
Cepika, A., Chen, P. P., Agarwal, R., Saini, G., Louis, D. M., Amaya-Hernandez, L. C., Xu, L., Shiraz, P., Tate, K. M., Margittai, D., Bhatia, N., Meyer, E., Bertaina, et al
CELL PRESS.2021: 73
- **Preclinical Safety and Efficacy Validation of CD4(LVFOXP3) Cells as an Innovative Cell-Based Gene Therapy Approach for IPEX Syndrome**
Sato, Y., Nathan, A., Wright, J., Tate, K., Wani, P., Fazeli, F., Timnak, A., Bhatia, N., Agarwal-Hashmi, R., Bertaina, A., Roncarolo, M., Bacchetta, R.
CELL PRESS.2021: 340
- **Toxoplasmosis in Pediatric Hematopoietic Stem Cell Transplantation Patients.** *Transplantation and cellular therapy*
Schwenk, H. T., Khan, A., Kohlman, K., Bertaina, A., Cho, S., Montoya, J. G., Contopoulos-Ioannidis, D. G.
2021; 27 (4): 292–300
- **Response to Trimethoprim-Sulfamethoxazole in a Pediatric Hematopoietic Stem Cell Transplant Recipient With Disseminated Toxoplasmosis: A Case Report.** *Journal of the Pediatric Infectious Diseases Society*
Khan, A., Schwenk, H. T., Kohlman, K., Bertaina, A., Cho, S., Montoya, J. G., Contopoulos-Ioannidis, D.
2021
- **Toxoplasmosis Among 38,751 Hematopoietic Stem Cell Transplant Recipients: A Systematic Review of Disease Prevalence and a Compilation of Imaging and Autopsy Findings.** *Transplantation*
Contopoulos-Ioannidis, D. G., Cho, S. M., Bertaina, A., Leung, A. N., Fischbein, N., Lanzman, B., Schwenk, H. T., Montoya, J. G.
2021
- **TCR $\alpha\beta$ /CD19 depleted HSCT from an HLA-haploidentical relative to treat children with different non-malignant disorders.** *Blood advances*
Merli, P., Pagliara, D., Galaverna, F., Li Pira, G., Andreani, M., Leone, G., Amodio, D., Pinto, R. M., Bertaina, A., Bertaina, V., Mastronuzzi, A., Strocchio, L., Boccieri, et al
2021
- **Harnessing Mechanisms of Immune Tolerance to Improve Outcomes in Solid Organ Transplantation: A Review.** *Frontiers in immunology*
Slepicka, P. F., Yazdanifar, M., Bertaina, A.
2021; 12: 688460
- **Supportive Care During Pediatric Hematopoietic Stem Cell Transplantation: Prevention of Infections. A Report From Workshops on Supportive Care of the Paediatric Diseases Working Party (PDWP) of the European Society for Blood and Marrow Transplantation (EBMT).** *Frontiers in pediatrics*
Iversen, M., Meisel, R., Sedlacek, P., Kalwak, K., Sisinni, L., Hutt, D., Lehrnbecher, T., Balduzzi, A., Diesch, T., Jarisch, A., Gungor, T., Stein, J., Yaniv, et al
2021; 9: 705179
- **The Role of Donor KIR Genotyping in Pediatric Hematopoietic Stem Cell Transplantation For Non-Malignant Disorders**
Mariano, L., Bertaina, A., Zhang, B. M., Kristovich, K., Vina, M.
SPRINGER NATURE.2020: 640
- **Anti-T-Lymphocyte Globulin (ATLG) and Rituximab for Immunomodulation of Graft-Versus-Host Disease and Graft Failure in Patients with Non-Malignant Disorders: Results of a Multicentre, Randomized, Open-Label Study**
Algeri, M., Galimberti, S., Bernardo, M., Rovelli, A., Zecca, M., La Nasa, G., Markt, S., Merli, P., Bertaina, A., Pagliara, D., Boccieri, E., Del Bufalo, F., Gaspari, et al
SPRINGER NATURE.2020: 85–86

- **HLA-haplotype loss after TCRalpha/CD19-depleted haploidentical HSCT. *Bone marrow transplantation***
Shyr, D. C., Zhang, B. M., Saini, G., Madani, N. D., Schultz, L. M., Patel, S., Kristovich, K., Fernandez-Vina, M., Bertaina, A.
2020
- **Identification of dual positive CD19+/CD3+ T cells in a leukapheresis product undergoing CAR transduction: a case report. *Journal for immunotherapy of cancer***
Schultz, L., Patel, S., Davis, K. L., Ramakrishna, S., Sahaf, B., Bhatia, N., Baggott, C., Erickson, C., Majzner, R. G., Oak, J., Bertaina, A., Mackall, C., Feldman, et al
2020; 8 (2)
- **Sustained fetal hematopoiesis causes juvenile death from leukemia: evidence from a dual-age-specific mouse model. *Blood advances***
Vara, N., Liu, Y., Yan, Y., Lensing, S. Y., Colorado, N., Robinson, D., Zhang, J., Zhang, X., Peterson, E. A., Baltz, N. J., Zhou, D., Bertaina, A., Johann, et al
2020; 4 (15): 3728–40
- **A study assessing the feasibility of randomization of pediatric and young adult patients between matched unrelated donor bone marrow transplantation and immune-suppressive therapy for newly diagnosed severe aplastic anemia: A joint pilot trial of the North American Pediatric Aplastic Anemia Consortium and the Pediatric Transplantation and Cellular Therapy Consortium. *Pediatric blood & cancer***
Pulsipher, M. A., Lehmann, L. E., Bertuch, A. A., Sasa, G., Olson, T., Nakano, T., Gilio, A., Burroughs, L. M., Lipton, J. M., Huang, J. N., Dickerson, K., Bertaina, A., Zhuang, et al
2020: e28444
- **Phenotypic and Functional Characterization of NK Cells in alpha beta T-Cell and B-Cell Depleted Haplo-HSCT to Cure Pediatric Patients with Acute Leukemia *CANCERS***
Meazza, R., Falco, M., Loiacono, F., Canevali, P., Della Chiesa, M., Bertaina, A., Pagliara, D., Merli, P., Indio, V., Galaverna, F., Algeri, M., Moretta, F., Colomar-Carando, et al
2020; 12 (8)
- **Engineering the Bridge between Innate and Adaptive Immunity for Cancer Immunotherapy: Focus on gammadelta T and NK Cells. *Cells***
Morandi, F., Yazdanifar, M., Cocco, C., Bertaina, A., Airoidi, I.
2020; 9 (8)
- **Gamma delta T cells as novel immunotherapeutic tool to cure drug-resistant viral infections in transplanted pediatric patients: development and validation of procedures for a new ATMP (advanced therapy medicinal product)**
Zorzoli, A., Morandi, F., Barbarito, G., Bertaina, A., Podesta, M., Airoidi, I.
ELSEVIER SCI LTD.2020: S139
- **CRISPR-based gene editing enables FOXP3 gene repair in IPEX patient cells. *Science advances***
Goodwin, M., Lee, E., Lakshmanan, U., Shipp, S., Froessler, L., Barzaghi, F., Passerini, L., Narula, M., Sheikali, A., Lee, C. M., Bao, G., Bauer, C. S., Miller, et al
2020; 6 (19): eaaz0571
- **CRISPR-based gene editing enables FOXP3 gene repair in IPEX patient cells *SCIENCE ADVANCES***
Goodwin, M., Lee, E., Lakshmanan, U., Shipp, S., Froessler, L., Barzaghi, F., Passerini, L., Narula, M., Sheikali, A., Lee, C. M., Bao, G., Bauer, C. S., Miller, et al
2020; 6 (19)
- **Myeloablative conditioning for allo-HSCT in pediatric ALL: FTBI or chemotherapy?-A multicenter EBMT-PDWP study. *Bone marrow transplantation***
Willasch, A. M., Peters, C., Sedlacek, P., Dalle, J., Kitra-Roussou, V., Yesilipek, A., Wachowiak, J., Lankester, A., Prete, A., Hamidieh, A. A., Ifversen, M., Buechner, J., Krivan, et al
2020
- **Treatment of steroid resistant acute graft versus host disease with an anti-CD26 monoclonal antibody-Begelomab. *Bone marrow transplantation***
Bacigalupo, A., Angelucci, E., Raiola, A. M., Varaldo, R., Di Grazia, C., Gualandi, F., Benedetti, E., Risitano, A., Musso, M., Zallio, F., Ciceri, F., Chiusolo, P., Sica, et al
2020
- **A beta T-Cell/CD19 B-Cell Depleted Haploidentical Stem Cell Transplantation: A New Platform for Curing Rare and Monogenic Disorders**
Bertaina, A., Bacchetta, R., Lewis, D. B., Grimm, P. C., Shah, A. J., Agarwal, R., Concepcion, W., Czechowicz, A., Bhatia, N., Lahiri, P., Weinberg, K. I., Parkman, R., Porteus, et al

ELSEVIER SCIENCE INC.2020: S288

- **Experience with Ruxolitinib (Jakafi (R)) As a Salvage Therapy for Graft-Versus-Host Disease in Children and Young Adults**
Mavers, M., Klinger, E., Shyr, D. C., Shah, A. J., Bertaina, A., Soni, S.
ELSEVIER SCIENCE INC.2020: S179
- **Regulatory Type 1 T Cell Infusion in Mismatched Related or Unrelated Hematopoietic Stem Cell Transplantation (HSCT) for Hematologic Malignancies**
Agarwal, R., Bacchetta, R., Bertaina, A., Chen, P., Saini, G., Shiraz, P., Bhatia, N., Roncarolo, M.
ELSEVIER SCIENCE INC.2020: S272–S273
- **Early Epigenetic Immune Quantification Following Alpha/Beta T-Cell/CD19 B-Cell Depleted Haploidentical Stem Cell Transplant Correlates with CD4+T Cell Recovery at Day+100**
Mayers, M., Schulze, J., Barbarito, G., Lakshmanan, U., Parkman, R., Weinberg, K. I., Chu, J., Agarwal, R., Roncarolo, M., Sachsenmaier, C., Bacchetta, R., Bertaina, A.
ELSEVIER SCIENCE INC.2020: S305
- **γδ T Cells: The Ideal Tool for Cancer Immunotherapy.** *Cells*
Yazdanifar, M. n., Barbarito, G. n., Bertaina, A. n., Airoidi, I. n.
2020; 9 (5)
- **Engineered type 1 regulatory T cells designed for clinical use kill primary pediatric acute myeloid leukemia cells** *Haematologica*
Cieniewicz, B., Uyeda, M. J., Chen, P. P., Sayitoglu, E. C., Liu, J. M., Andolfi, G., Greenthal, K., Bertaina, A., Gregori, S., Bacchetta, R., Lacayo, N. J., Cepika, A., Roncarolo, et al
2020
- **Alloantigen-specific Tr1 cells designed to prevent GvHD have a distinct molecular identity and suppress through CTLA-4 and PD-1** *Society for Immunotherapy of Cancer's (SITC) 35th Anniversary Annual Meeting*
Cepika, A., Chen, P. P., Uyeda, M. J., Cieniewicz, B., Narula, M., Amaya, L., Louis, D. M., Xu, L., Ji, X., Bertaina, A., Agarwal-Hashmi, R., Davis, M. M., Meyer, et al
2020: A159–A159
- **Genome editing of donor-derived T-cells to generate allogeneic chimeric antigen receptor-modified T cells: Optimizing αβ T cell-depleted haploidentical hematopoietic stem cell transplantation.** *Haematologica*
Wiebking, V. n., Lee, C. M., Mostrel, N. n., Lahiri, P. n., Bak, R. n., Bao, G. n., Roncarolo, M. G., Bertaina, A. n., Porteus, M. H.
2020
- **Making a case for using γδ T cells against SARS-CoV-2.** *Critical reviews in microbiology*
Yazdanifar, M. n., Mashkour, N. n., Bertaina, A. n.
2020: 1–14
- **Human-engineered Treg-like cells suppress FOXP3-deficient T cells but preserve adaptive immune responses in vivo.** *Clinical & translational immunology*
Sato, Y. n., Passerini, L. n., Piening, B. D., Uyeda, M. J., Goodwin, M. n., Gregori, S. n., Snyder, M. P., Bertaina, A. n., Roncarolo, M. G., Bacchetta, R. n.
2020; 9 (11): e1214
- **Veno-occlusive Disease in HSCT Patients: Consensus-based Recommendations for Risk Assessment, Diagnosis, and Management by the GITMO Group.** *Transplantation*
Bonifazi, F. n., Sica, S. n., Angeletti, A. n., Markt, S. n., Prete, A. n., Iori, A. P., Olivari, D. n., Rossetti, G. n., Bertaina, A. n., Botti, S. n., Busca, A. n., Carella, A. M., Cerretti, et al
2020
- **Results of a Multicentre, Randomized, Controlled Open-Label Study on the Use of Anti-T-Lymphocyte Globulin (ATLG) and Rituximab for Immunomodulation of Graft-Versus-Host Disease (GvHD) and Graft Failure (GF) in Patients with Non-Malignant Disorders**
Algeri, M., Galimberti, S., Bernardo, M., Rovelli, A., Zecca, M., La Nasa, G., Markt, S., Merli, P., Bertaina, A., Pagliara, D., Bocchieri, E., Del Bufalo, F., Gaspari, et al
AMER SOC HEMATOLOGY.2019
- **Identification of Dual Positive CD19+/CD3+T Cells in an Apheresis Product Undergoing Chimeric Antigen Receptor (CAR) Transduction**
Schultz, L. M., Patel, S., Ramakrishna, S., Bertaina, A., Bhatia, N., Oak, J., Majzner, R. G., Baggott, C., Davis, K. L., Mackall, C. L., Feldman, S. A.
AMER SOC HEMATOLOGY.2019

- **High-Throughput RNA Sequencing Analysis Reveals Distinct Molecular Signature in NRAS and PTPN11 JMML Patients**
Leoncini, P., Silvestris, A., Vitullo, P., Zecca, M., Flotho, C., Niemeyer, C. M., Gallo, A., Bertaina, A., Locatelli, F., Merli, P.
AMER SOC HEMATOLOGY.2019
- **Population pharmacokinetics of treosulfan in paediatric patients undergoing hematopoietic stem cell transplantation** *BRITISH JOURNAL OF CLINICAL PHARMACOLOGY*
van der Stoep, M. C., Zwaveling, J., Bertaina, A., Locatelli, F., Guchelaar, H. J., Lankester, A. C., Moes, D. R.
2019; 85 (9): 2033-2044
- **Graft Engineering and Adoptive Immunotherapy: New Approaches to Promote Immune Tolerance After Hematopoietic Stem Cell Transplantation** *FRONTIERS IN IMMUNOLOGY*
Bertaina, A., Roncarolo, M.
2019; 10
- **Myeloablative conditioning for first allogeneic HSCT in pediatric all: FTBI or chemotherapy? - An update of the retrospective multicenter EBMT-PDWP study**
Willasch, A., Peters, C., Sedlacek, P., Dalle, J., Kitra-Roussou, V., Yesilipek, A., Wachowiak, J., Lankester, A., Prete, A., Hamidieh, A., Ifversen, M., Buechner, J., Krivan, et al
NATURE PUBLISHING GROUP.2019: 137–38
- **genome editing of graft-derived T cells for post-transplant immunotherapy in combination with TCR alpha beta(+)/CD19(+)-depleted haploidentical HSCT**
Wiebking, V., Lee, C. M., Mostrel, N., Bak, R. O., Bao, G., Bertaina, A., Porteus, M. H.
NATURE PUBLISHING GROUP.2019: 183–84
- **Outcomes and Treatment Strategies for Autoimmunity and Hyperinflammation in Patients with RAG Deficiency** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY-IN PRACTICE*
Farmer, J. R., Foldvari, Z., Ujhazi, B., De Ravin, S., Chen, K., Bleesing, J. J. H., Schuetz, C., Al-Herz, W., Abraham, R. S., Joshi, A. Y., Costa-Carvalho, B. T., Buchbinder, D., Booth, et al
2019; 7 (6): 1970–+
- **Solid organ transplantation after hematopoietic stem cell transplantation in childhood: A multicentric retrospective survey** *AMERICAN JOURNAL OF TRANSPLANTATION*
Faraci, M., Bertaina, A., Dalissier, A., Ifversen, M., Schulz, A., Gennery, A., Burkhardt, B., Badell Serra, I., Diaz-de-Heredia, C., Lanino, E., Lankester, A. C., Gruhn, B., Matthes-Martin, et al
2019; 19 (6): 1798–1805
- **REGULATORY TYPE 1 T CELL INFUSION IN MISMATCHED RELATED OR UNRELATED HEMATOPOIETIC STEM CELL TRANSPLANTATION (HSCT) FOR HEMATOLOGIC MALIGNANCIES**
Agarwal, R., Bacchetta, R., Bertaina, A., Hu, J. C., Chen, P., Saini, G., Bhatia, N., Roncarolo, M.
WILEY.2019
- **Killer Ig-Like Receptors (KIRs): Their Role in NK Cell Modulation and Developments Leading to Their Clinical Exploitation** *FRONTIERS IN IMMUNOLOGY*
Pende, D., Falco, M., Vitale, M., Cantoni, C., Vitale, C., Munari, E., Bertaina, A., Moretta, F., Del Zotto, G., Pietra, G., Mingari, M., Locatelli, F., Moretta, et al
2019; 10
- **gamma delta T CELLS: A POTENT IMMUNOTHERAPY TOOL FOR CHILDREN WITH HIGH-RISK ACUTE LEUKEMIA**
Barbarito, G., Patil, R., Favaro, P., Sinha, R., Zorzoli, A., Klein, C. A., Airoidi, I., Bertaina, A.
ELSEVIER SCI LTD.2019: S31
- **Outcomes and treatment strategies for autoimmunity and hyperinflammation in patients with RAG deficiency.** *The journal of allergy and clinical immunology. In practice*
Farmer, J. R., Foldvari, Z., Ujhazi, B., De Ravin, S. S., Chen, K., Bleesing, J. J., Schuetz, C., Al-Herz, W., Abraham, R. S., Joshi, A. Y., Costa-Carvalho, B. T., Buchbinder, D., Booth, et al
2019
- **Chimerism Analysis in Pediatric Hematopoietic Stem Cell Transplantation for Non-Malignant Disorders**
Mariano, L., Zhang, B., Kristovich, K., Agarwal-Hashmi, R., Roncarolo, M., Bertaina, A., Fernandez-Vina, M.
ELSEVIER SCIENCE INC.2019

- **Outcome of Children Developing Grade III-IV Acute Graft-Versus-Host Disease after Allogeneic Hematopoietic Stem Cell Transplantation**
Bertaina, A., Locatelli, F., Galimard, J., Lawitschka, A., Balduzzi, A., Dalle, J., Sedlacek, P., Willasch, A., Yaniv, I., Labopin, M., Peters, C., Bader, P.
ELSEVIER SCIENCE INC.2019
- **Regulatory Type 1 T Cell Infusion in Mismatched Related or Unrelated Hematopoietic Stem Cell Transplantation (HSCT) for Hematologic Malignancies**
Agarwal, R., Bacchetta, R., Bertaina, A., Chu, J., Chen, P., Saini, G., Bhatia, N., Roncarolo, M.
ELSEVIER SCIENCE INC.2019
- **Epigenetic Immune Cell Quantification for Diagnosis and Monitoring of Patients with Primary Immune Deficiencies and Immune Regulatory Disorders**
Schulze, J., Werner, J., Schildknecht, K., Lakshmanan, U., Gruetzkau, A., Chu, J., Gernez, Y., Speckmann, C., Weinacht, K. G., Bertaina, A., Baron, U., Borte, S., Olek, et al
SPRINGER/PLENUM PUBLISHERS.2019: S30
- **Haploidentical HSCT EBMT HANDBOOK: HEMATOPOIETIC STEM CELL TRANSPLANTATION AND CELLULAR THERAPIES**
Ciceri, F., Bacigalupo, A., Lankester, A., Bertaina, A.
edited by Carreras, E., Dufour, C., Mohty, M., Kroger, N.
2019: 479–86
- **Solid organ transplantation after haematopoietic stem cell transplantation in childhood: a multicentric retrospective survey.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Faraci, M., Bertaina, A., Dalissier, A., Ifversen, M., Schulz, A., Gennery, A., Burkhardt, B., Badell Serra, I., Diaz-de-Heredia, C., Lanino, E., Lankester, A. C., Gruhn, B., Matthes-Martin, et al
2018
- **T- and B-Cell Neogenesis Recovers Efficiently in Children with Acute Leukemia Given an Alpha-Beta-Cell Depleted Haplo-HSCT Followed By Infusion of Donor T-Cells Genetically Modified with Inducible Caspase 9 Suicide Gene (BPX-501 cells)**
Catanoso, M., Clave, E., Douay, C., Algeri, M., Fournier, I., Bertaina, V., Araujo, I., Del Bufalo, F., Galaverna, F., Surace, C., Bertaina, A., Merli, P., Foster, et al
AMER SOC HEMATOLOGY.2018
- **Unrelated donor vs HLA-haploidentical alpha/beta T-cell and B-cell depleted HSCT in children with acute leukemia.** *Blood*
Bertaina, A., Zecca, M., Buldini, B., Sacchi, N., Algeri, M., Saglio, F., Perotti, C., Gallina, A. M., Bertaina, V., Lanino, E., Prete, A., Barberi, W., Tumino, et al
2018
- **Analysis of KIR3DP1 Polymorphism Provides Relevant Information on Centromeric KIR Gene Content** *JOURNAL OF IMMUNOLOGY*
Bono, M., Pende, D., Bertaina, A., Moretta, A., Della Chiesa, M., Sivori, S., Zecca, M., Locatelli, F., Moretta, L., Bottino, C., Falco, M.
2018; 201 (5): 1460-1467
- **Major Histocompatibility Complex and Hematopoietic Stem Cell Transplantation: Beyond the Classical HLA Polymorphism** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*
Bertaina, A., Andreani, M.
2018; 19 (2)
- **Phosphatidylinositol 3-kinase inhibition potentiates glucocorticoid response in B-cell acute lymphoblastic leukemia.** *Journal of cellular physiology*
Evangelisti, C. n., Cappellini, A. n., Oliveira, M. n., Fragoso, R. n., Barata, J. T., Bertaina, A. n., Locatelli, F. n., Simioni, C. n., Neri, L. M., Chiarini, F. n., Lonetti, A. n., Buontempo, F. n., Orsini, et al
2018; 233 (3): 1796–1811
- **High-Risk Leukemia: Past, Present, and Future Role of NK Cells** *JOURNAL OF IMMUNOLOGY RESEARCH*
Mavers, M., Bertaina, A.
2018: 1586905
- **Hematopoietic stem cell transplantation for isolated extramedullary relapse of acute lymphoblastic leukemia in children.** *Bone marrow transplantation*
Gabelli, M. n., Zecca, M. n., Messina, C. n., Carraro, E. n., Buldini, B. n., Rovelli, A. M., Fagioli, F. n., Bertaina, A. n., Lanino, E. n., Favre, C. n., Rabusin, M. n., Prete, A. n., Ripaldi, et al
2018

- **Late Development of FcεR1γ Adaptive Natural Killer Cells Upon Human Cytomegalovirus Reactivation in Umbilical Cord Blood Transplantation Recipients.** *Frontiers in immunology*
Muccio, L. n., Falco, M. n., Bertaina, A. n., Locatelli, F. n., Frassoni, F. n., Sivori, S. n., Moretta, L. n., Moretta, A. n., Della Chiesa, M. n.
2018; 9: 1050
- **Dentate nucleus T1 hyperintensity: is it always gadolinium all that glitters?** *La Radiologia medica*
Pasquini, L. n., Rossi Espagnet, M. C., Napolitano, A. n., Longo, D. n., Bertaina, A. n., Visconti, E. n., Tomà, P. n.
2018; 123 (6): 469–73
- **Voriconazole treatment in adults and children with hematological diseases: can it be used without measurement of plasma concentration?** *Medical mycology*
Girmania, C. n., Annino, L. n., Bertaina, A. n., Mariotti, B. n., Caselli, D. n., Fanci, R. n., Barberi, W. n., Marchesi, F. n., Carotti, A. n., Ferrari, A. n., Cerchiara, E. n., Cupelli, L. n., Arcioni, et al
2018; 56 (3): 263–78
- **NG2 antigen is involved in leukemia invasiveness and central nervous system infiltration in MLL-rearranged infant B-ALL.** *Leukemia*
Prieto, C. n., López-Millán, B. n., Roca-Ho, H. n., Stam, R. W., Romero-Moya, D. n., Rodríguez-Baena, F. J., Sanjuan-Pla, A. n., Ayllón, V. n., Ramírez, M. n., Bardini, M. n., De Lorenzo, P. n., Valsecchi, M. G., Stanulla, et al
2018; 32 (3): 633–44
- **Outcome of children with acute leukemia given HLA-haploidentical HSCT after αβ T-cell and B-cell depletion.** *Blood*
Locatelli, F., Merli, P., Pagliara, D., Li Pira, G., Falco, M., Pende, D., Rondelli, R., Lucarelli, B., Brescia, L. P., Masetti, R., Milano, G. M., Bertaina, V., Algeri, et al
2017
- **Outcome of hematopoietic cell transplantation for DNA double-strand break repair disorders.** *journal of allergy and clinical immunology*
Slack, J., Albert, M. H., Balashov, D., Belohradsky, B. H., Bertaina, A., Bleesing, J., Booth, C., Buechner, J., Buckley, R. H., Ouachée-Chardin, M., Deripapa, E., Drabko, K., Eapen, et al
2017
- **T Cell-Depleted and T Cell-Replete HLA-Haploidentical Stem Cell Transplantation for Non-malignant Disorders** *CURRENT HEMATOLOGIC MALIGNANCY REPORTS*
Bertaina, A., Pitisci, A., Sinibaldi, M., Algeri, M.
2017; 12 (1): 68-78
- **The combination of bortezomib with chemotherapy to treat relapsed/refractory acute lymphoblastic leukaemia of childhood** *BRITISH JOURNAL OF HAEMATOLOGY*
Bertaina, A., Vinti, L., Strocchio, L., Gaspari, S., Caruso, R., Algeri, M., Coletti, V., Gurnari, C., Romano, M., Cefalo, M. G., Girardi, K., Trevisan, V., Bertaina, et al
2017; 176 (4): 629-636
- **Remestemcel-L for the treatment of graft versus host disease** *EXPERT REVIEW OF CLINICAL IMMUNOLOGY*
Locatelli, F., Algeri, M., Trevisan, V., Bertaina, A.
2017; 13 (1): 43-56
- **Novel X-Linked Inhibitor of Apoptosis Mutation in Very Early-Onset Inflammatory Bowel Disease Child Successfully Treated with HLA-Haploidentical Hematopoietic Stem Cells Transplant after Removal of αβ+ T and B Cells.** *Frontiers in immunology*
Cifaldi, C. n., Chiriaco, M. n., Di Matteo, G. n., Di Cesare, S. n., Alessia, S. n., De Angelis, P. n., Rea, F. n., Angelino, G. n., Pastore, M. n., Ferradini, V. n., Pagliara, D. n., Cancrini, C. n., Rossi, et al
2017; 8: 1893
- **Rabbit anti-human T-lymphocyte globulin and hematopoietic transplantation.** *Oncotarget*
Locatelli, F. n., Merli, P. n., Bertaina, A. n.
2017; 8 (57): 96460–61
- **High interpatient variability of treosulfan exposure is associated with early toxicity in paediatric HSCT: a prospective multicentre study.** *British journal of haematology*
van der Stoep, M. Y., Bertaina, A. n., Ten Brink, M. H., Bredius, R. G., Smiers, F. J., Wanders, D. C., Moes, D. J., Locatelli, F. n., Guchelaar, H. J., Zwaveling, J. n., Lankester, A. C.
2017; 179 (5): 772–80

- **Incidence, Risk Factors and Outcome of Pre-engraftment Gram-Negative Bacteremia After Allogeneic and Autologous Hematopoietic Stem Cell Transplantation: An Italian Prospective Multicenter Survey.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Girmania, C. n., Bertaina, A. n., Piciocchi, A. n., Perruccio, K. n., Algarotti, A. n., Busca, A. n., Cattaneo, C. n., Raiola, A. M., Guidi, S. n., Iori, A. P., Candoni, A. n., Irrera, G. n., Milone, et al
2017; 65 (11): 1884–96
- **cell-depleted grafts from an HLA-haplo-identical donor.** *Oncoimmunology*
Bertaina, A., ZORZOLI, A., Petretto, A., Barbarito, G., Inglese, E., MERLI, P., LAVARELLO, C., Brescia, L. P., De Angelis, B., Tripodi, G., Moretta, L., Locatelli, F., Airoidi, et al
2017; 6 (2)
- **Whole Genome MBD-seq reveals different CpG methylation patterns in Azacytidine-treated Juvenile Myelomonocytic Leukaemia (JMML) patients.** *British journal of haematology*
Leoncini, P. P., Vitullo, P. n., Di Florio, F. n., Tocco, V. n., Cefalo, M. G., Pitisci, A. n., Girardi, K. n., Niemeyer, C. n., Locatelli, F. n., Bertaina, A. n.
2017
- **Efficacy of two different doses of rabbit anti-T-lymphocyte globulin to prevent graft-versus-host disease in children with haematological malignancies transplanted from an unrelated donor: a multicentre, randomised, open-label, phase 3 trial.** *The Lancet. Oncology*
Locatelli, F. n., Bernardo, M. E., Bertaina, A. n., Rognoni, C. n., Comoli, P. n., Rovelli, A. n., Pession, A. n., Fagioli, F. n., Favre, C. n., Lanino, E. n., Giorgiani, G. n., Merli, P. n., Pagliara, et al
2017; 18 (8): 1126–36
- **Preservation of Antigen-Specific Functions of $\alpha\beta$ T Cells and B Cells Removed from Hematopoietic Stem Cell Transplants Suggests Their Use As an Alternative Cell Source for Advanced Manipulation and Adoptive Immunotherapy.** *Frontiers in immunology*
Li Pira, G., Di Cecca, S., Biagini, S., Girolami, E., Cicchetti, E., Bertaina, V., Quintarelli, C., Caruana, I., Lucarelli, B., Merli, P., Pagliara, D., Brescia, L. P., Bertaina, et al
2017; 8: 332-?
- **Fungal infections of the lung in children** *PEDIATRIC RADIOLOGY*
Toma, P., Bertaina, A., Castagnola, E., Colafati, G. S., D'Andrea, M. L., Finocchi, A., Lucidi, V., Mastronuzzi, A., Granata, C.
2016; 46 (13): 1856-1865
- **Cytomegalovirus in hematopoietic stem cell transplant recipients - management of infection** *EXPERT REVIEW OF HEMATOLOGY*
Locatelli, F., Bertaina, A., Bertaina, V., Merli, P.
2016; 9 (11): 1093-1105
- **Selective Depletion of alpha beta T Cells and B Cells for Human Leukocyte Antigen-Haploidentical Hematopoietic Stem Cell Transplantation. A Three-Year Follow-Up of Procedure Efficiency** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
Li Pira, G., Malaspina, D., Girolami, E., Biagini, S., Cicchetti, E., Conflitti, G., Broglia, M., Ceccarelli, S., Lazzaro, S., Pagliara, D., Meschini, A., Bertaina, A., Montanari, et al
2016; 22 (11): 2056-2064
- **Improving nelarabine efficacy in T cell acute lymphoblastic leukemia by targeting aberrant PI3K/AKT/mTOR signaling pathway** *JOURNAL OF HEMATOLOGY & ONCOLOGY*
Lonetti, A., Cappellini, A., Bertaina, A., Locatelli, F., Pession, A., Buontempo, F., Evangelisti, C., Evangelisti, C., Orsini, E., Zamboni, L., Neri, L. M., Martelli, A. M., Chiarini, et al
2016; 9
- **Human NK cells: From surface receptors to clinical applications.** *Immunology letters*
Moretta, L., Pietra, G., Vacca, P., Pende, D., Moretta, F., Bertaina, A., Mingari, M. C., Locatelli, F., Moretta, A.
2016; 178: 15-19
- **Treatment Complications and Long-term Outcomes of Total Body Irradiation in Patients with Acute Lymphoblastic Leukemia: A Single Institute Experience** *ANTICANCER RESEARCH*
De Felice, F., Grapulin, L., Musio, D., Pomponi, J., Di Felice, C., Iori, A. P., Bertaina, A., Tombolini, V.
2016; 36 (9): 4859-4864
- **MicroRNA fingerprints in juvenile myelomonocytic leukemia (JMML) identified miR-150-5p as a tumor suppressor and potential target for treatment** *ONCOTARGET*
Leoncini, P. P., Bertaina, A., Papaioannou, D., Flotho, C., Masetti, R., Bresolin, S., Menna, G., Santoro, N., Zecca, M., Basso, G., Nigita, G., Veneziano, D., Pagotto, et al

2016; 7 (34): 55395-55408

- **Accuracy of Bedside Paediatric Early Warning System (BedsidePEWS) in a Pediatric Stem Cell Transplant Unit.** *Journal of pediatric oncology nursing*
Gawronski, O., Ciofi degli Atti, M. L., Di Ciommo, V., Cecchetti, C., Bertaina, A., Tiozzo, E., Raponi, M.
2016; 33 (4): 249-256
- **Posaconazole oral suspension primary prophylaxis in acute leukemia and allogeneic stem cell transplant patients: can it be used without measurement of plasma concentration?** *MEDICAL MYCOLOGY*
Girmenia, C., Annino, L., Mariotti, B., Fanci, R., Minotti, C., Spadea, A., Carotti, A., Piedimonte, M., Chierichini, A., Cerchiara, E., Caselli, D., Cupelli, L., Arcioni, et al
2016; 54 (5): 445-458
- **Hematopoietic stem cell transplantation: Improving alloreactive Bw4 donor selection by genotyping codon 86 of KIR3DL1/S1.** *European journal of immunology*
Alicata, C., Pende, D., Meazza, R., Canevali, P., Loiacono, F., Bertaina, A., Locatelli, F., Nemat-Gorgani, N., Guethlein, L. A., Parham, P., Moretta, L., Moretta, A., Bottino, et al
2016; 46 (6): 1511-1517
- **NK Cells and Other Innate Lymphoid Cells in Hematopoietic Stem Cell Transplantation** *FRONTIERS IN IMMUNOLOGY*
Vacca, P., Montaldo, E., Croxatto, D., Moretta, F., Bertaina, A., Vitale, C., Locatelli, F., Mingari, M. C., Moretta, L.
2016; 7
- **The generation of human innate lymphoid cells is influenced by the source of hematopoietic stem cells and by the use of G-CSF** *EUROPEAN JOURNAL OF IMMUNOLOGY*
Moretta, F., Petronelli, F., Lucarelli, B., Pitisci, A., Bertaina, A., Locatelli, F., Mingari, M. C., Moretta, L., Montaldo, E.
2016; 46 (5): 1271-1278
- **Human natural killer cells: news in the therapy of solid tumors and high-risk leukemias** *CANCER IMMUNOLOGY IMMUNOTHERAPY*
Pietra, G., Vitale, C., Pende, D., Bertaina, A., Moretta, F., Falco, M., Vacca, P., Montaldo, E., Cantoni, C., Mingari, M. C., Moretta, A., Locatelli, F., Moretta, et al
2016; 65 (4): 465-476
- **Combined immunodeficiency due to JAK3 mutation in a child presenting with skin granuloma** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*
Scarselli, A., Di Cesare, S., Di Matteo, G., De Matteis, A., Ariganello, P., Romiti, M. L., Cascioli, S., De Vito, R., Bertaina, A., Locatelli, F., Gaspar, H. B., Aiuti, A., Rossi, et al
2016; 137 (3): 948-951
- **Analysis of memory-like natural killer cells in human cytomegalovirus-infected children undergoing aβ+T and B cell-depleted hematopoietic stem cell transplantation for hematological malignancies.** *Haematologica*
Muccio, L., Bertaina, A., Falco, M., Pende, D., Meazza, R., Lopez-Botet, M., Moretta, L., Locatelli, F., Moretta, A., Della Chiesa, M.
2016; 101 (3): 371-381
- **Progressive increase in D-dimer levels during extracorporeal membrane oxygenation can predict membrane oxygenator failure in children given hematopoietic stem cell transplantation?** *JOURNAL OF CRITICAL CARE*
Di Nardo, M., Merli, P., Cecchetti, C., Pasotti, E., Bertaina, A., Locatelli, F.
2016; 31 (1): 262-263
- **Synergistic cytotoxic effects of bortezomib and CK2 inhibitor CX-4945 in acute lymphoblastic leukemia: turning off the prosurvival ER chaperone BIP/Grp78 and turning on the pro-apoptotic NF-kappa B** *ONCOTARGET*
Buontempo, F., Orsini, E., Lonetti, A., Cappellini, A., Chiarini, F., Evangelisti, C., Evangelisti, C., Melchionda, F., Pession, A., Bertaina, A., Locatelli, F., Bertacchini, J., Neri, et al
2016; 7 (2): 1323-1340
- **Haploidentical Haematopoietic Stem Cell Transplantation: Role of NK Cells and Effect of Cytomegalovirus Infections** *NATURAL KILLER CELLS*
Della Chiesa, M., Moretta, L., Muccio, L., Bertaina, A., Moretta, F., Locatelli, F., Moretta, A.
2016; 395: 209-224
- **MicroRNA-101 is repressed by EZH2 and its restoration inhibits tumorigenic features in embryonal rhabdomyosarcoma** *CLINICAL EPIGENETICS*

- Vella, S., Pomella, S., Leoncini, P. P., Colletti, M., Conti, B., Marquez, V. E., Strillacci, A., Roma, J., Gallego, S., Milano, G. M., Capogrossi, M. C., Bertaina, A., Ciarapica, et al
2015; 7
- **?d T-cell reconstitution after HLA-haploidentical hematopoietic transplantation depleted of TCR- $\alpha\beta$ + /CD19+ lymphocytes.** *Blood*
Airoldi, I., Bertaina, A., Prigione, I., Zorzoli, A., Pagliara, D., Cocco, C., Meazza, R., Loiacono, F., Lucarelli, B., Bernardo, M. E., Barbarito, G., Pende, D., Moretta, et al
2015; 125 (15): 2349-2358
 - **Multifunctional human CD56 low CD16 low natural killer cells are the prominent subset in bone marrow of both healthy pediatric donors and leukemic patients.** *Haematologica*
Stabile, H., Nisti, P., Morrone, S., Pagliara, D., Bertaina, A., Locatelli, F., Santoni, A., Gismondi, A.
2015; 100 (4): 489-498
 - **Infections by carbapenem-resistant *Klebsiella pneumoniae* in SCT recipients: a nationwide retrospective survey from Italy** *BONE MARROW TRANSPLANTATION*
Girmania, C., Rossolini, G. M., Piciocchi, A., Bertaina, A., Pisapia, G., Pastore, D., Sica, S., Severino, A., Cudillo, L., Ciceri, F., Scime, R., Lombardini, L., Viscogli, et al
2015; 50 (2): 282-288
 - **Outcome of children with high-risk acute myeloid leukemia given autologous or allogeneic hematopoietic cell transplantation in the aieop AML-2002/01 study** *BONE MARROW TRANSPLANTATION*
Locatelli, F., Masetti, R., Rondelli, R., Zecca, M., Fagioli, F., Rovelli, A., Messina, C., Lanino, E., Bertaina, A., Favre, C., Giorgiani, G., Ripaldi, M., Ziino, et al
2015; 50 (2): 181-188
 - **KIR B haplotype donors confer a reduced risk for relapse after haploidentical transplantation in children with ALL** *BLOOD*
Oevermann, L., Michaelis, S. U., Mezger, M., Lang, P., Toporski, J., Bertaina, A., Zecca, M., Moretta, L., Locatelli, F., Handgretinger, R.
2014; 124 (17): 2744-2747
 - **Extracorporeal membrane oxygenation as a bridge to allogeneic T-cell depleted hematopoietic stem cell transplantation in infants with severe combined immune deficiency: is it feasible?** *INTENSIVE CARE MEDICINE*
Di Nardo, M., Locatelli, F., Di Florio, F., Cecchetti, C., Amodeo, A., Rutella, S., Bertaina, A.
2014; 40 (10): 1600-1601
 - **Assessment of the effect of sphingosine kinase inhibitors on apoptosis, unfolded protein response and autophagy of T-cell acute lymphoblastic leukemia cells; indications for novel therapeutics** *ONCOTARGET*
Evangelisti, C., Evangelisti, C., Teti, G., Chiarini, F., Falconi, M., Melchionda, F., Pession, A., Bertaina, A., Locatelli, F., McCubrey, J. A., Beak, D. J., Bittman, R., Pyne, et al
2014; 5 (17): 7886-7901
 - **An outbreak of extremely drug-resistant *Pseudomonas aeruginosa* in a tertiary care pediatric hospital in Italy** *BMC INFECTIOUS DISEASES*
degli Atti, M. C., Bernaschi, P., Carletti, M., Luzzi, I., Garcia-Fernandez, A., Bertaina, A., Sisto, A., Locatelli, F., Raponi, M.
2014; 14
 - **Mobilization of healthy donors with plerixafor affects the cellular composition of T-cell receptor (TCR)-alpha beta/CD19-depleted haploidentical stem cell grafts** *JOURNAL OF TRANSLATIONAL MEDICINE*
Rutella, S., Filippini, P., Bertaina, V., Li Pira, G., Altomare, L., Ceccarelli, S., Brescia, L. P., Lucarelli, B., Girolami, E., Conflitti, G., Cefalo, M. G., Bertaina, A., Corsetti, et al
2014; 12
 - **HLA-haploidentical stem cell transplantation after removal of alpha beta(+) T and B cells in children with nonmalignant disorders** *BLOOD*
Bertaina, A., Merli, P., Rutella, S., Pagliara, D., Bernardo, M. E., Masetti, R., Pende, D., Falco, M., Handgretinger, R., Moretta, F., Lucarelli, B., Brescia, L. P., Li Pira, et al
2014; 124 (5): 822-826
 - **Therapeutic targeting of Polo-like kinase-1 and Aurora kinases in T-cell acute lymphoblastic leukemia** *CELL CYCLE*
Sparta, A. M., Bressanin, D., Chiarini, F., Lonetti, A., Cappellini, A., Evangelisti, C., Evangelisti, C., Melchionda, F., Pession, A., Bertaina, A., Locatelli, F., McCubrey, J. A., Martelli, et al
2014; 13 (14): 2237-2247
 - **Recognition of adult and pediatric acute lymphoblastic leukemia blasts by natural killer cells** *HAEMATOLOGICA*

- Torelli, G. F., Peragine, N., Raponi, S., Pagliara, D., De Propris, M. S., Vitale, A., Bertaina, A., Barberi, W., Moretta, L., Basso, G., Santoni, A., Guarini, A., Locatelli, et al
2014; 99 (7): 1248-1254
- **Activity of the pan-class I phosphoinositide 3-kinase inhibitor NVP-BKM120 in T-cell acute lymphoblastic leukemia** *LEUKEMIA*
Lonetti, A., Antunes, I. L., Chiarini, F., Orsini, E., Buontempo, F., Ricci, F., Tazzari, P. L., Pagliaro, P., Melchionda, F., Pession, A., Bertaina, A., Locatelli, F., McCubrey, et al
2014; 28 (6): 1196-1206
 - **Extracorporeal membrane oxygenation in pediatric recipients of hematopoietic stem cell transplantation: an updated analysis of the Extracorporeal Life Support Organization experience** *INTENSIVE CARE MEDICINE*
Di Nardo, M., Locatelli, F., Palmer, K., Amodeo, A., Lorusso, R., Belliati, M., Cecchetti, C., Perrotta, D., Picardo, S., Bertaina, A., Rutella, S., Rycus, P., Di Ciommo, et al
2014; 40 (5): 754-756
 - **HLA-Haploidentical T Cell-Depleted Allogeneic Hematopoietic Stem Cell Transplantation in Children with Fanconi Anemia** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
Zecca, M., Strocchio, L., Pagliara, D., Comoli, P., Bertaina, A., Giorgiani, G., Perotti, C., Corbella, F., Brescia, L., Locatelli, F.
2014; 20 (4): 571-576
 - **Familial Hemophagocytic Lymphohistiocytosis Type 3 Diagnosed at School Age: A Case Report** *JOURNAL OF PEDIATRIC HEMATOLOGY ONCOLOGY*
Manno, E. C., Salfa, I., Palma, P., Bertaina, A., Lombardi, A., Moretta, F., Coniglio, M. L., Sieni, E., Arico, M., Finocchi, A.
2014; 36 (2): E128-E130
 - **Cytotoxic activity of the casein kinase 2 inhibitor CX-4945 against T-cell acute lymphoblastic leukemia: targeting the unfolded protein response signaling** *LEUKEMIA*
Buontempo, F., Orsini, E., Martins, L. R., Antunes, I., Lonetti, A., Chiarini, F., Tabellini, G., Evangelisti, C., Evangelisti, C., Melchionda, F., Pession, A., Bertaina, A., Locatelli, et al
2014; 28 (3): 543-553
 - **Human Cytomegalovirus Infection Promotes Rapid Maturation of NK Cells Expressing Activating Killer Ig-like Receptor in Patients Transplanted with NKG2C(-/-) Umbilical Cord Blood** *JOURNAL OF IMMUNOLOGY*
Della Chiesa, M., Falco, M., Bertaina, A., Muccio, L., Alicata, C., Frassoni, F., Locatelli, F., Moretta, L., Moretta, A.
2014; 192 (4): 1471-1479
 - **Adoptive Immunotherapy With Antigen-Specific T Cells During Extracorporeal Membrane Oxygenation (ECMO) for Adenovirus-Related Respiratory Failure in a Child Given Haploidentical Stem Cell Transplantation** *PEDIATRIC BLOOD & CANCER*
Di Nardo, M., Li Pira, G., Amodeo, A., Cecchetti, C., Giorda, E., Ceccarelli, S., Brescia, L. P., Pirozzi, N., Rutella, S., Locatelli, F., Bertaina, A.
2014; 61 (2): 376-379
 - **Impact of HCMV Infection on NK Cell Development and Function after HSCT.** *Frontiers in immunology*
Della Chiesa, M., Falco, M., Muccio, L., Bertaina, A., Locatelli, F., Moretta, A.
2013; 4: 458-?
 - **Multiple infusions of mesenchymal stromal cells induce sustained remission in children with steroid-refractory, grade III-IV acute graft-versus-host disease** *BRITISH JOURNAL OF HAEMATOLOGY*
Ball, L. M., Bernardo, M. E., Roelofs, H., van Tol, M. J., Contoli, B., Zwaginga, J. J., Avanzini, M. A., Conforti, A., Bertaina, A., Giorgiani, G., Jol-van der Zijde, C. M., Zecca, M., Le Blanc, et al
2013; 163 (4): 501-509
 - **Validation of flow cytometric phospho-STAT5 as a diagnostic tool for juvenile myelomonocytic leukemia** *BLOOD CANCER JOURNAL*
Hasegawa, D., Bugarin, C., Giordan, M., BRESOLIN, S., Longoni, D., Micalizzi, C., Ramenghi, U., Bertaina, A., Basso, G., Locatelli, F., Biondi, A., te Kronnie, G., Gaipa, et al
2013; 3
 - **Negative depletion of alpha/beta(+) T cells and of CD19+B lymphocytes: A novel frontier to optimize the effect of innate immunity in HLA-mismatched hematopoietic stem cell transplantation** *IMMUNOLOGY LETTERS*
Locatelli, F., Bauquet, A., Palumbo, G., Moretta, F., Bertaina, A.
2013; 155 (1-2): 21-23
 - **Late respiratory failure after hematopoietic stem cells transplant: just "lung failure"?** *MINERVA ANESTESIOLOGICA*

- Caldarelli, V., Gregoretto, C., Paglietti, M. G., Pavone, M., Bertaina, A., Testa, M. B., Cutrera, R.
2013; 79 (8): 969-970
- **Cellular and molecular basis of haploidentical hematopoietic stem cell transplantation in the successful treatment of high-risk leukemias: role of alloreactive NK cells.** *Frontiers in immunology*
Locatelli, F., Pende, D., Mingari, M. C., Bertaina, A., Falco, M., Moretta, A., Moretta, L.
2013; 4: 15-?
 - **Epigenetic Deregulation of MicroRNAs in Rhabdomyosarcoma and Neuroblastoma and Translational Perspectives** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*
Romania, P., Bertaina, A., Bracaglia, G., Locatelli, F., Fruci, D., Rota, R.
2012; 13 (12): 16554-16579
 - **Lymphocyte proliferation specific for recall, CMV and HIV antigens in miniaturized and automated format** *JOURNAL OF IMMUNOLOGICAL METHODS*
Pira, G. L., Starc, N., Conforti, A., Bertaina, A., Rutella, S., Locatelli, F., Manca, F.
2012; 384 (1-2): 135-142
 - **Allogeneic hematopoietic stem cell transplantation in thalassemia major: results of a reduced-toxicity conditioning regimen based on the use of treosulfan** *BLOOD*
Bernardo, M. E., Piras, E., Vacca, A., Giorgiani, G., Zecca, M., Bertaina, A., Pagliara, D., Contoli, B., Pinto, R. M., Caocci, G., Mastronuzzi, A., La Nasa, G., Locatelli, et al
2012; 120 (2): 473-476
 - **Recipient CTLA-4*CT60-AA genotype is a prognostic factor for acute graft-versus-host disease in hematopoietic stem cell transplantation for thalassemia** *HUMAN IMMUNOLOGY*
Orru, S., Orru, N., Manolagos, E., Littera, R., Caocci, G., Giorgiani, G., Bertaina, A., Pagliara, D., Giardini, C., Nesci, S., Locatelli, F., Carcassi, C., La Nasa, et al
2012; 73 (3): 282-286
 - **Absence of IL-12R beta 2 in CD33(+)/CD38(+) pediatric acute myeloid leukemia cells favours progression in NOD/SCID/IL2R gamma C-deficient mice** *LEUKEMIA*
Ferretti, E., Montagna, D., Di Carlo, E., Cocco, C., Ribatti, D., Ognio, E., Sorrentino, C., Lisini, D., Bertaina, A., Locatelli, F., Pistoia, V., Airoidi, I.
2012; 26 (2): 225-235
 - **Interactions between killer immunoglobulin-like receptors and their human leucocyte antigen Class I ligands influence the outcome of unrelated haematopoietic stem cell transplantation for thalassaemia: a novel predictive algorithm** *BRITISH JOURNAL OF HAEMATOLOGY*
Littera, R., Orru, N., Caocci, G., Sanna, M., Mulargia, M., Piras, E., Vacca, A., Giardini, C., Orofino, M. G., Visani, G., Bertaina, A., Giorgiani, G., Locatelli, et al
2012; 156 (1): 118-128
 - **Strategies to optimize the outcome of children given T-cell depleted HLA-haploidentical hematopoietic stem cell transplantation** *BEST PRACTICE & RESEARCH CLINICAL HAEMATOLOGY*
Locatelli, F., Vinti, L., Palumbo, G., Rossi, F., Bertaina, A., Mastronuzzi, A., Bernardo, M. E., Rutella, S., Dellabona, P., Giorgiani, G., Moretta, A., Moretta, L.
2011; 24 (3): 339-349
 - **Co-infusion of ex vivo-expanded, parental MSCs prevents life-threatening acute GVHD, but does not reduce the risk of graft failure in pediatric patients undergoing allogeneic umbilical cord blood transplantation** *BONE MARROW TRANSPLANTATION*
Bernardo, M. E., Ball, L. M., Cometa, A. M., Roelofs, H., Zecca, M., Avanzini, M. A., Bertaina, A., Vinti, L., Lankester, A., Maccario, R., Ringden, O., Le Blanc, K., Egeler, et al
2011; 46 (2): 200-207
 - **The role of killer immunoglobulin-like receptor haplotypes on the outcome of unrelated donor haematopoietic SCT for thalassaemia** *BONE MARROW TRANSPLANTATION*
Littera, R., Orru, N., Vacca, A., Bertaina, A., Caocci, G., Mulargia, M., Giardini, C., Piras, E., Mastronuzzi, A., Vinti, L., Orru, S., Locatelli, F., Carcassi, et al
2010; 45 (11): 1618-1624
 - **Reconstitution of repertoire of natural killer cell receptors after transplantation: just a question of time?** *BONE MARROW TRANSPLANTATION*
Locatelli, F., Bertaina, A.

2010; 45 (6): 968-969

- **Cord blood transplantation in children with haematological malignancies** *BEST PRACTICE & RESEARCH CLINICAL HAEMATOLOGY*
Bertaina, A., Bernardo, M. E., Caniglia, M., Vinti, L., Giorgiani, G., Locatelli, F.
2010; 23 (2): 189-196
- **Cord blood transplantation in patients with hemoglobinopathies** *TRANSFUSION AND APHERESIS SCIENCE*
Boncimino, A., Bertaina, A., Locatelli, F.
2010; 42 (3): 277-281
- **Comparison between an artificial neural network and logistic regression in predicting acute graft-vs-host disease after unrelated donor hematopoietic stem cell transplantation in thalassemia patients** *EXPERIMENTAL HEMATOLOGY*
Caocci, G., Baccoli, R., Vacca, A., Mastronuzzi, A., Bertaina, A., Piras, E., Littera, R., Locatelli, F., Carcassi, C., La Nasa, G.
2010; 38 (5): 426-433
- **The role of reduced intensity preparative regimens in patients with thalassemia given hematopoietic transplantation** *COOLEY'S ANEMIA: NINTH SYMPOSIUM*
Bertaina, A., Bernardo, M. E., Mastronuzzi, A., La Nasa, G., Locatelli, F.
2010; 1202: 141-148
- **B LYMPHOCYTE SUBSETS AND THEIR FUNCTIONAL ACTIVITY IN THE EARLY MONTHS OF LIFE** *INTERNATIONAL JOURNAL OF IMMUNOPATHOLOGY AND PHARMACOLOGY*
Avanzini, M. A., Maccario, R., Belloni, C., Carrera, G., Bertaina, A., Cagliuso, M., La Rocca, M., Valsecchi, C., Mantelli, M., Castellazzi, A. M., Quinti, I., De Silvestri, A., Marconi, et al
2010; 23 (1): 247-254
- **Clofarabine, cyclophosphamide and etoposide as single-course re-induction therapy for children with refractory/multiple relapsed acute lymphoblastic leukaemia** *BRITISH JOURNAL OF HAEMATOLOGY*
Locatelli, F., Testi, A. M., Bernardo, M. E., Rizzari, C., Bertaina, A., Merli, P., Pession, A., Giraldi, E., Parasole, R., Barberi, W., Zecca, M.
2009; 147 (3): 371-378
- **Transplantation and innate immunity: the lesson of natural killer cells** *ITALIAN JOURNAL OF PEDIATRICS*
Bertaina, A., Locatelli, F., Moretta, L.
2009; 35
- **Human respiratory syncytial virus (hRSV) RNA quantification in nasopharyngeal secretions identifies the hRSV etiologic role in acute respiratory tract infections of hospitalized infants** *JOURNAL OF CLINICAL VIROLOGY*
Carnpanini, G., Percivalle, E., Baldanti, F., Rovida, F., Bertaina, A., Marchi, A., Stronati, M., Gerna, G.
2007; 39 (2): 119-124