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Cell Therapy in Pediatric Hematological Malignancies: Current Opportunities and Challenges

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Deadline for manuscript submissions:

closed (10 November 2024)

Message from the Guest Editors

Dear Colleagues,

Research has been carried out in an attempt to improve treatment success for pediatric patients with hematological malignancies using cell therapies (hematopoietic stem cell transplantation (HSCT), donor lymphocyte infusion (DLI), and, more recently, chimeric antigen receptor (CAR-T cell) therapy).

In this Special Issue of *Children*, we welcome original research articles, reviews, mini-review, and case reports focusing on the current role of HSCT in pediatric hematological malignancies. Contributions may include the impact of cytogenetic and molecular alterations on outcomes, the predictive role of minimal residual disease (MRD) detection and interventions, the choice of conditioning regimens, the selection of donors, studies on GvDH, CAR-T cell therapy for pediatric hematological malignancies, CAR-T cell engineering with a discussion of the advantages and disadvantages of different approaches, strategies to improve aspects such as antigen escape, toxicities, CAR-T cell trafficking, and the immunosuppressive microenvironment.

We look forward to receiving your contributions.



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Special Issue



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Message from the Editor-in-Chief

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