

Special Issue

Cell Therapy in Pediatric Hematological Malignancies: Current Opportunities and Challenges

Message from the Guest Editors

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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Deadline for manuscript submissions

closed (10 November 2024)



Children

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 3.8
Indexed in PubMed



mdpi.com/si/203842

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Message from the Editor-in-Chief

You are invited to contribute a research article or comprehensive review for consideration and publication in *Children* (ISSN 2227-9067). *Children* is an open access journal—research articles, reviews, and other content are published online immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. The journal focuses on sharing clinical, epidemiological, and translational science relevant to children's health. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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