



cells



an Open Access Journal by MDPI

Clinical and Methodological Aspects of HSC Transplantation in Hematological Malignancies

Guest Editor:

Prof. Dr. Luca Pierelli

1. Immunohematology and
Transfusion Medicine, San
Camillo-Forlanini Hospital, 00152
Rome, Italy
2. Department of Experimental
Medicine, Sapienza University of
Rome, 00161 Rome, Italy

Deadline for manuscript
submissions:
closed (31 January 2024)

Message from the Guest Editor

Dear Colleagues,

Since the mid-20th century, hematopoietic stem cell transplantation (HSCT) has been used to treat defective or leukemic hematopoiesis in congenital and acquired diseases. Since its first use, HSCT had developed and improved considerably, and today, it represents a unique opportunity to cure several hematological malignancies. Thanks to the current knowledge of immunogenetics, stem cell biology, the antineoplastic and immunosuppressive properties of several drugs, and ex vivo procedures, HSCT can be applied to treat patients within a wide age range, and can overcome HLA- and ABO-group barriers. The ability of HSCT to manage the main adverse immune effects (i.e., graft versus host disease), and to maintain its intended immune effects (i.e., graft versus malignancy), renders it a powerful therapeutic strategy for preventing disease relapse or progression, and an instructive model for the development of future cell therapies.

Prof. Dr. Luca Pierelli
Guest Editor



mdpi.com/si/172422

Special Issue



cells



an Open Access Journal by MDPI

Editors-in-Chief

Dr. Alexander E. Kalyuzhny

Dental Basic Sciences, University
of Minnesota, 308 Harvard St. SE,
Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation
Centre, The University of
Copenhagen, Copenhagen,
Denmark

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [CAPus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Contact Us

Cells Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/cells
cells@mdpi.com
[X@Cells_MDPI](https://twitter.com/Cells_MDPI)