

Special Issue

Gene Editing in Stem Cells: Next-Generation Stem Cell Therapies

Message from the Guest Editor

In recent years, thousands of proteins have been identified as being associated with complex and rare diseases caused by a wide range of genetic mutations, involving single nucleotide polymorphisms, deletions, duplications and insertions of nucleotides or whole genes, as well as chromosomal rearrangements and gene rearrangements. As for the utilization of next-generation therapeutic approaches to incurable diseases, the integration of gene editing technologies and stem cells appears to hold considerable promise. In light of the boundless potential and demand for gene-edited stem cell therapies, this field of research has evolved in a variety of ways, including the discovery of new gene editing platforms, the development of advanced technologies for safe in vivo and ex vivo cell editing, and the successful homing of transplanted cells. Throughout this Special Issue of *Cells*, we aim to provide readers with the most up-to-date information on this fascinating subject.

Guest Editor

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About the Journal

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.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).