Special Issue

Enhancing Mesenchymal Stem Cells (MSCs) for Therapeutic Purposes

Message from the Guest Editors

The regenerative and immunomodulatory properties of mesenchymal stem cells (MSCs) have made these cells the focus of multiple pre-clinical studies and clinical trials. While the results from these clinical studies have established that MSCs are safe, the efficacy of these cells is not as well-established. In this regard, there have been increased efforts towards generating potentiated/activated MSCs with enhanced therapeutic efficacy. Mechanisms for enhancing MSC potency and efficacy are an area of active research with great potential for translation into clinical settings. This Special Issue solicits original research manuscripts and reviews from a broad range of topics relating to potentiation strategies for enhancing MSC therapeutic efficacy, which include but are not limited to hypoxic and growth factor pre-conditioning, serum starvation, genetic manipulation, and 3D culture.

Guest Editors

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Deadline for manuscript submissions

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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).