

Special Issue

Immunomodulation by Mesenchymal Stem Cells

Message from the Guest Editor

Mesenchymal stromal or stem cells (MSC) are fibroblast-like multipotent cells that can differentiate into various cell types of mesenchymal origin. Because of their immune properties and differentiation potential, MSC are discussed and tested for the use in tissue regeneration and tolerance induction in transplant medicine. However, the precise mechanisms of action (MOAs) and whether whole MSC or MSC-derived products are needed for the clinical efficacy remain enigmatic. This Special Issue of *Cells* should provide a state-of-the-art look into the various immunomodulatory properties of MSC, elaborate differences among different sources of MSC, and elucidate MOAs where possible. Current reports about the Good Manufacturing Practice-compliant processing of MSC are also welcome. This should help to optimise personalized cellular therapies with MSC in the future.

Guest Editor

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Deadline for manuscript submissions

closed (10 October 2019)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/18429

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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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