

## Special Issue

# Mesenchymal Stromal Cells in Human Disease and Therapy

### Message from the Guest Editors

Since the earliest clinical trials testing the infusion of mesenchymal stromal cells (MSCs) to improve the outcome of bone marrow transplantation, MSCs have been among the most exploited cell types in clinical trials. Owing to their availability from a wide range of tissue sources, high proliferative potential in vitro, multilineage differentiation capacity, trophic features and immunomodulatory properties, MSCs are considered promising therapeutic candidates for the treatment of a wide range of diseases. In this Special Issue, we invite experts to share their research findings in topics related to (i) the mechanisms underlying the role of endogenous MSCs in disease initiation and progression; and to (ii) the therapeutic role of MSCs and/or their derived products such as extracellular vesicles, including but not limited to their hematopoietic supportive function, immunomodulatory capacity and regenerative abilities, as well as their potential for gene/drug delivery. We also expect contributions on the latest advances in the clinical translation of MSC-based therapies and how to address manufacturing challenges.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 January 2023)



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*Biomedicines* (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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