

Special Issue

Mesenchymal Stem Cells for Tissue Engineering and Modelling

Message from the Guest Editors

Advances in studies of mesenchymal stem/stromal cells (MSC) biology and application in regenerative medicine are tightly associated with their intrinsic properties involving participation in tissue physiological renewal and repair after damage. Furthermore, their ability to self-organize and pattern other cell types created an amazing opportunity for their application in tissue/organ engineering employing MSC ex vivo. This Special Issue focuses on MSC use including, but not limited to the following topics:

- Tissue engineering and artificial organs/scaffolds (including decellularized constructs)
- Pre-clinical and clinical data on new MSC-based tissue engineering products
- Patterning and differentiation potency of MSC in tissue-engineered constructs
- Organoid assembly and self-organization of MSC to model tissues, organs or human disease
- Bioprocess and manufacturing advances in tissue engineering products using human/animal MSC

We cordially invite original papers, review articles, letters and opinions to this Issue from experts in cell biology, regenerative medicine, manufacture, developmental biology and bioengineered fields.

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Deadline for manuscript submissions

closed (30 September 2022)



Bioengineering

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Impact Factor 3.7
CiteScore 5.3
Indexed in PubMed



mdpi.com/si/109292

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Editor-in-Chief

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