



Therapeutic Modulation of Mesenchymal Stem Cells for Effective Regenerative Medicine 2.0

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Mesenchymal stem cells (MSCs), multipotent stem cells that can be isolated from various tissue sources, have been shown to regenerate various tissues of mesodermal origin. The therapeutic effect of MSCs is largely mediated via paracrine effects and the secretion of extensive bioactive molecules, known as the “secretome”. The regenerative benefit of the secretome has been attributed to MSC-derived extracellular vesicles as well as the release of trophic factors and cytokines that play neuroprotective, angiogenic, anti-inflammatory, and immune-modulatory roles.

This Special Issue welcomes submissions of research and review articles on the following topics: (1) preclinical studies testing the impact of therapeutic modulators on MSC efficacy in animal models; (2) molecular mechanisms associated with therapeutic modulation; and (3) translational application of MSCs or the secretome in endocrine/metabolic disorders.





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Message from the Editor-in-Chief

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