

## Special Issue

# Therapeutic Modulation of Mesenchymal Stem Cells for Effective Regenerative Medicine 2.0

### Message from the Guest Editor

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.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 November 2021)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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