

Special Issue

Unraveling the Molecular Mechanisms of Mesenchymal Stem Cells Protective Action

Message from the Guest Editor

So far mesenchymal stem cells (MSCs) have been used in a huge number of studies, with very promising results in the largest part of experimental models. In particular, MSCs have displayed a protective action, being able both to support the survival of different kinds of cells and to protect them against different toxic stimuli. Many researchers have contributed to shed light on such a unique effect, by proposing new and different mechanisms of action for MSCs as well as by developing new experimental models to test them. In this way, the field of MSC application is rapidly expanding, and a clear understanding of the molecular mechanisms underlying their protective action represents a very important goal, with a potential great impact on different diseases. The aim of this open-access Special Issue is to update the knowledge about MSC mechanisms of action, thus also providing new inspiration to seek new and unexplored ideas.

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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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