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Mesenchymal Stem Cells (MSC), Exosomes, and Other MSC Products in Research and Clinics

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Message from the Guest Editor

Dear Colleagues,

Mesenchymal stem cell (MSC) clinical application is hindered by the poorly identified molecular mechanisms of MSC action. An improvement was achieved with the identification of the clinical efficacy of MSC exosomes. However, neither the content of different source exosomes nor the molecular mechanisms of their action are known. Exosomes vary in size and content and carry different sets of molecules: RNA, DNA, proteins, lipids. Exosomal proteins are represented mostly by the membrane anchored proteins, while multiple hydrophilic MSC proteins can also be of use. The aim of this Special Issue is to collect results on MSC and studies of their byproducts and clinical applications focused on the possible mechanisms of their action.



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Special Issue