

Special Issue

Therapeutic Applications of Adipose-Derived Stem Cells in Disease and Health

Message from the Guest Editor

Adipose-derived Stem Cells (ASCs) are known to be have multipotency, immunosuppressive properties and low immunogenicity as a safe source of cell therapy. In addition to the treatment of un-manipulated ASCs, many studies have been conducted on functional enhancement and tissue-specific differentiation by regulation of extrinsic factors on the changes of stem cell biology. Studies on stem cell-free therapies by using cell-derived growth factors, exosomes, or cytokines have also been focused on the tissue regeneration by the topical enhancement at damaged region in many diseases. Despite of experimental evidences, this indicates that more accurate and rigorous research of ASCs are needed to make breakthrough toward therapeutic hurdles of the tissue regeneration in the field of basic, preclinical and clinical application.

This Special Issue aims at discussing the innovative strategies of ASC therapy from stem cell biology to clinical study for regenerative medicine. To expand the current knowledge and the application capacity of ASC therapy, experimental and and review articles are all welcome for consideration.

Guest Editor

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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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