

## Special Issue

# Adipose-Derived Stem Cells: Current Applications and Future Directions

### Message from the Guest Editor

Cultured adipose-derived stem cells have many advantages over other mesenchymal stem cells and have demonstrated therapeutic efficacy in a variety of areas, including plastic surgery. However, they may not be the perfect cell source of therapy at this time.

Therefore, there is a need to construct new adipose-derived stem cell systems with improved cell culture methods and genetic manipulation. For example, the formation of spheroids and sheets, an improvement in culture media, and the development of new culture substrates are expected to enhance therapeutic outcomes. Moreover, attempts are being made to improve therapeutic efficacy by increasing the secretory capacity of various factors using genetic recombination technology. In addition to the above efforts, this Special Issue aims to include reports of novel therapeutic methods using ADSCs, utilization and purification methods of exosomes, and other cellular secreted products. Based on the above, we aim to provide an argument in this Special Issue for the future use of next-generation adipose-derived stem cells.

### Guest Editor

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### Deadline for manuscript submissions

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## Cells

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*Cells* has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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