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Research on Adipose Stem Cells

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Message from the Collection Editor

Stem cell therapies have shown potential benefits in a variety of human diseases. Adipose tissue is a rich source of cells with regenerative potential. Adipose-tissue-derived cell products, including the stromal vascular fraction (SVF) and stromal/stem cells (ASC), possess the capacity for homing, immunomodulation, promotion of repair, and direct regeneration of damaged tissues, which make them promising therapeutic interventions for numerous diseases. ASCs also produce soluble factors and extracellular vesicles (exosomes and microvesicles) that have been demonstrated to have therapeutic effects.

This Topical Collection focused on Adipose Stem Cells seeks original research and review articles with a focus on:

1. Biological characterization of cell populations with regeneration potential isolated from adipose tissue: SVF and ASCs;
2. Biological characterization and therapeutic application of microvesicles produced by ASCs;
3. Studies on mechanisms of action of cells and microvesicles;
4. Therapeutic applications in pre-clinical models and clinical trials.



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Topical Collection



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Message from the Editorial Board

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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