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Novel Insights into Bone and Cartilage Biology: Bone Marrow-Derived Stromal Cells

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Deadline for manuscript submissions:

closed (10 January 2024)

Message from the Guest Editors

With the advancement of medicine and technology, humans are living longer, and healthy ageing has become a significant medical and economic priority. Articular cartilage defects, as well as general wear and tear associated with ageing, lead to high frequencies of osteoarthritis in ageing populations. The focus of this Special Issue is on bone marrow-derived stromal cells (BMSC) and the application of these cells to cartilage and bone repair. BMSC have been shown to have chondrogenic and osteogenic differentiation potential, making them a potential precursor cell for cartilage or bone tissue engineering. In this Special Issue we hope to capture original research or expert perspective reviews of the literature related to BMSC biology, the developmental processes that guide bone and cartilage tissue formation, as well as therapeutic strategies that use BMSC as cell therapies to facilitate bone or cartilage tissue repair.

We look forward to receiving your articles and to working with you to establish a meaningful collection of publications on these important topics.



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Special Issue



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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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