

Special Issue on
From Stem Cells to Chondrocytes: A Perpetual Voyage

CALL FOR PAPERS

The last decade has seen an exhaustive list of publications trying to convert mesenchymal stem cells into healthy cartilage. Research ranged from different convenient yet optimum sources of cells, challenges faced by basic researcher for efficient migration and passage of cells, stimulation of cells, various media stimulating the cells into chondrogenesis, scaffold promoting proliferation and differentiation of cells, cartilage specific bioactivity of various matrices, conversion of cells into chondral tissue, maturity into healthy hyaline cartilage, regulatory issues, and so on. However, the journey from stem cells to chondrocytes seems to be a never ending journey. The challenges are at each step and we need to identify key obstructions and key successes so that this perpetual voyage comes to a pleasant end.

Stem cells research need to consolidate at this juncture, where researchers can identify the current position on each subfield of stem cells based cartilage repair and redraw the future path of research for themselves and colleagues. This special issue thus conceptualizes the identification of miles stones achieved and milestones unconquered. The editors invite review articles related to various subfields of stem cells based cartilage repair that can reflect the current facts and level of evidence. The special issue also encourages recent research on stem cells based cartilage repair that can be a breakthrough in this perpetual voyage.

Potential topics include but are not limited to the following:

- ▶ Current review of various stem cells sources of cartilage repair; their success rate; and level of evidence
- ▶ Role of growth factors and media in stimulation of stem cells based cartilage repair
- ▶ Scaffolds and stem cells based cartilage repair: a literature review
- ▶ Histopathological analysis of stem cell regenerated cartilage repair
- ▶ Regulatory process: a benchmark or a step backward

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/sci/scpv/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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