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Cell Therapies in Orthopaedics

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Message from the Guest Editors

Cell-based therapies in the orthopaedic clinical setting have existed for around 30 years and currently there are several in use or in clinical trials around the globe for the treatment of neuromusculoskeletal disorders. An improved understanding of the precise mechanisms of action for these cell-based therapies and the discovery and validation of predictive clinical indicators (including biomarkers) are priorities for the widespread translation and global application of burgeoning orthopaedic cell-based therapies.

The aim of this Special Issue is to provide the current ‘state-of-play’ in the orthopaedic cell therapy field, with a particular focus on mechanisms of action, tissue engineering approaches, in vitro systems, preclinical models, clinical trials, and predictive clinical indicators (including biomarkers), highlighting any barriers that have been identified that might hinder the translation or widespread adoption of these techniques.



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Special Issue



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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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